Here's a telegram from Santa

"Listen here, Lads," shouted the Toy Acadian King one morning. He stood on top of a big blue Mack Dump Truck, so everybody could see and hear him. "Santa says that girls and boys all over the country are asking for more and more Arcade Toys. He wants us to make as many as we can."

So the little people are as busy as can be, pouring the melted white-hot metal from their great furnaces; fitting parts together; painting the finished toys in bright colors.

Every busy day they make hundreds of the famous Arcade Toys. There are Arcade Kitchen and Bathroom sets, for dolly's house—every piece in spotless white lacquer, and "just like mother's." There are Mack Trucks, Yellow Cabs and Coaches and A.C.F. Coaches; Buicks and Chevrolets; Fords and Fordsons; and the McCormick-Deering Farm Outfit.

Each toy is exactly like the real thing—with rubber tires, too, if you want them. And they last a long time.

Mothers, too, like Arcade Toys. They stimulate imagination; keep youngsters happy for hours.

You'll find Arcade Toys at leading department stores and toy shops; or write us—we'll tell you where to get them.

You can get a free story about the Toys Acadian toy makers. Just send us your name, address, and 4 cents in coin to cover mailing cost.

ARCADE MANUFACTURING CO.
1214 Shawnee Street Freeport, Illinois

ARCADE TOYS

"They Look Real"

London and Brussels, or Frankfort and Zurich, or Cologne and Baden-Baden. A route equivalent to that between New York and Pittsburgh would be the route between London and Cologne. The London-Paris route is about the same distance as that between Akron and Cincinnati. Our New York-San Francisco Air Mail routes may be compared with the London-to-Bagdad route, the section between Chicago and San Francisco being about equivalent to the routes between London and Constantinople.

The route between Paris and Marseilles is about the same as a direct route between Chicago and Kansas City. That from Paris to Amsterdam is about equivalent in distance to a route between Atlanta and Jacksonville. If a route were established between Los Angeles and Tulsa it would be about the equivalent of the route from Berlin to Madrid. A route between Minneapolis and Tulsa by way of Kansas City would compare in distance with the air line between Berlin and London. The distance between Chicago and Detroit is about that between Hamburg and Amsterdam. From London to Amsterdam is approximately the air-line distance between St. Louis and Memphis.

Another printed slip of information handed to prospective passengers is interesting:

Special clothing is not necessary for air travel; the clothes that would be worn on a similar trip on the ground are adequate. Dust which may be experienced when looking down from the top of a building is unknown in an airplane. A person is not at all affected by riding backward in a plane, as is sometimes the case in a railroad car. There is no restriction on moving freely about the cabin. Lavatory accommodations, drinking water and other conveniences are provided. Passengers are not to feel alarmed if the airplane is banked—tilted on one side—as if the pilot steps on above down the motors, or if the airplane is headed right up to a corner before starting; these are all in the day's work.

Germany has gained leadership in commercial aviation which it will be difficult for any other nation to overtake. It has used the airplane to build up a new national unity. It has an understanding of the stimulating and transforming possibilities of air commerce which no other nation has, and it is pressing on to their utilization.

The All-the-Year Attitude

Germany has not yet made flying profitable, measured in terms of dividends from corporations in the class of United States Steel or General Motors. The Germans are still struggling with elaborate problems of gas load and energy, which await solution in the laboratories and testing fields. Nevertheless, flying is a business in Germany; the same intangibles which stirred capital into early American railroads long before they began to show a profit is luring sagacious German market into the financing of air lines.

Yet Herr Merkel has full confidence in the ultimate permanence and profits of air commerce, and his is a confidence established from a wide practical experience. He likes to talk of the American development of railroad transportation, regarding which he is amazingly well informed.

This is perhaps because the wide development of the American railroads has, in the extent of territory covered, some similarity to the modern pioneering in air transportation.

"I believe commercial aviation is established in Europe," he said, "otherwise I would not be here. We are yet in aviation's childhood stage, but we are demonstrating the reliability of air commerce. The solution of some of our technical questions will certainly provide great advancement. One of the first tests of the commercial-aviation concerns was an all-the-year attitude of utilizing this new medium of commerce, and this today is the attitude of the German people toward air travel.

"The problem for America to work upon is, in my opinion, that of governmental and municipal cooperation with air-transportation companies. The airdrome should be a publicly owned utility. This simplifies greatly the requisite public aids to air commerce, such as weather and radio services, enforcement of police regulations, lighting, and so on. In the starting of civil aviation in Germany the cities shared the losses where there were any. All airplanes are now started and landed at German airdromes under police supervision.

"We have reached the points in safety and convenience and in certainty of schedule that may be said to abolish the intangible factors of air-commerce operation. We need advancement in power efficiency so that the relation of power to pay load carried will be more satisfactory. Our next progress in commercial aviation will come through the laboratory and the testing work."

I was personally impressed with the advancement in efficiency noticeable as we flew over the twenty-three countries served by the Deutsche Luft Hansa air lines. We traveled by stormy weather, at night as well as by day, over long sea stretches in seaplanes, over mountainous territory, and all with a punctuality that rivals the best train service.

It would take a lifetime of travel on the ground to see in Europe what we saw in a summer on the Luft Hansa air lines. In fact, no one could ever see by ground travel the beauty of the Alps as quickly unrolled before the air traveler. Jacob Gould Schurman, our ambassador at Berlin, spent his vacation last summer in the Scandinavian countries, but he could not have seen in a summer what we were able to see there in a week of flying travel, in which we flew more than 3000 miles around and across the Baltic.

The Unity of Nations

And the Deutsche Luft Hansa company has undoubtedly succeeded in making air travel popular in Europe. In June of this year they had 220 planes in regular service, capable of carrying more than 30,000 passengers monthly, and every seat on all the principal lines was sold days and often weeks ahead.

A map of the air lines of this company looks like a streamer of red banners floating out from Berlin, touching almost every great city in Europe—London, Paris, Geneva, Vienna, Prague, Stockholm, Moscow, Copenhagen, Amsterdam, Konigsberg, and scores of others.

The passengers on these planes are not limited to the rich and the various, every sort of people are flying, from knitting manufacturers and commercial pickle salesmen to captains of finance and international ambassadors. On my trip from Berlin to Cologne I had as seat mate at different times an Italian wine seller, a director of the company, a Jewish dealer in antiques, and for a while the American ambassador, Jacob Gould Schurman. Women travel by air regularly from Cologne to Dortmund to do their shopping, and at the airports one meets one's friends and often has tea and bridge. Of course a strong appeal to passengers is the elimination of boundaries and the swiftness of travel.

For those who fly, life has already been speeded up to an incredible degree. In one month I flew across twelve or more countries, yet was only half through my contemplated trip. In July I started on the wings of the morning at three o'clock from Berlin, saw the sun rise from a far horizon, crossed Poland, breakfasted in Danzig and was in Konigsberg in time to deliver an early-morning lecture at the University of Konigsberg, 100 miles from Berlin and an all-day train trip. I felt no fatigue, but by any other means of travel the average traveler's physical strength would have been exhausted.

It is inconceivable to my mind that air transportation will be diverted to war purposes by the peoples of Europe. Rather will this new means of travel and interchange

(Continued on Page 172)

Anybody Can Play

Schoenhut's Indoor Golf is the rage of the hour—Have you taken it up yet?

Schoenhut's Indoor Golf is one of those games that everybody can play and 'most everybody does. It is played with a stick resembling a golf stick, but in place of the head there is a miniature golfing figure—"Tommy Green" when a man; "Sissie Lofter" when a woman—who makes your strokes for you.

You control the action of "Tommy" or "Sissie" through a lever located between your first and second finger. It's the greatest sport imaginable. "Tommy" and "Sissie" drive, put or approach, just as in real golf, according to the kind of club you put between their fingers and according to your skill in operating the lever.

A full set of clubs is furnished with each miniature figure, together with putting greens, tees, bunkers and everything that goes with a regular golf game in miniature. The small, hollow, celluloid balls are perfectly harmless. Thousands of golfers all over the country are enjoying this new and exciting game of Schoenhut's Indoor Golf. Four thousand sets were sold to the golfers of New York and Philadelphia alone within three weeks of its introduction. You will find that it requires as much skill and scientific accuracy as a real game of outdoor golf—a truly worthwhile amusement.

Schoenhut's Indoor Golf sets are sold for $10.00 and $15.00 a set, depending on the number of parts included. If you cannot get one at your department or sporting goods store, write direct to the factory.

Notice to Professionals—It will pay you to carry Schoenhut's Indoor Golf.

The A. Schoenhut Company

2176 East Hagert Street **Philadelphia, Pa.**

MANUFACTURERS & PATENTEES

To say "TREMENDOUS" *see Banff!*

THE eye cannot measure it all at once. Your gaze sweeps out and far . . . there are peaks, a mossy mat of greenery, a foaming watercourse, a rough intervale, more peaks . . .

Your eye returns to the hotel promenade. The people are ants! The horses, pigmies! The huge hotel dwarfed to a nursery toy!

For the first time, you realize what the word "tremendous" means. You comprehend the size, the majesty of that magnificent canvas spread out before you. Those peaks are ten-thousand-foot giants. That mossy mat is a forest of towering pine. That watercourse is the thundering torrent of the Bow. That tumbled intervale is a day's hard ride. That snow-capped range is the back drop of all creation.

Yes, all this you see from Banff Springs Hotel. You ride out into it at will. You golf in the midst of its glory. You wake to its rosy dawns, you eat beside its full sunshine, you sit out dances while the moon floods its peaks with cold fire.

Open May 15. 450 rooms. Boating, swimming, sulphur baths . . . tennis, golf . . . motoring, trail-riding, mountaineering, Indian celebrations and the most tremendous view on the continent. Plan for a long stay—so much to see, so much to do. Interested service from your own agent or any Canadian Pacific office listed below, or write to Banff Springs Hotel, Banff, Canada.

Banff

Banff Springs Hotel in the Canadian Rockies

ATLANTA: 49 North Fourth St. BOSTON: 405 Boylston St. BUFFALO: 160 Pearl St. CHICAGO: 71 E. Jackson Blvd. CINCINNATI: 201 Dixie Terminal Bldg. CLEVELAND: 1030 Chester Ave. DENVER: 1231 Welton Blvd. KANSAS CITY: 661 Railway Exchange Bldg. LOS ANGELES: 621 So. Grand Ave. MINNEAPOLIS: 611 Second Ave. So. NEW YORK: Madison Ave. at 44th St. PHILADELPHIA: Locust St. at 15th PITTSBURGH: 336 Sixth Ave. PORTLAND: 55 Third St. SAN FRANCISCO: 675 Market St. ST. LOUIS: 435 Locust St. SEATTLE: 2320 Fourth Ave. TORONTO: 1143 Pacific Ave. WASHINGTON: 905 15th St., N.W.

WHAT a real feast! Every home a palace, every doorway an adventure and every bit of Beech-Nut Peanut Butter a golden treasure! Give the children plenty of bread and Beech-Nut and watch them grow—a sound mind in every sound little body.

Beech-Nut Peanut Butter for everyone—young and old. It's a family food; you can trust it in every way. A jar of Beech-Nut Peanut Butter is packed with substantial nourishment, supplying energy-food and building-food as well. It not only delights the appetite but also, and far more important, gives health, strength and vitality. Those who eat Beech-Nut Peanut Butter regularly, appreciate its value as an economical food and praise it for its deliciousness. The luscious Virginia peanuts and the flavorous Spanish peanuts, ripened under the sunny skies of the Southland, are immaculately prepared and delivered to you packed in air-tight, glistening-pure glass jars. Ask your grocer for Beech-Nut Peanut Butter.

BEECH-NUT PACKING CO. Canajoharie, N. Y.

Beech-Nut

"Foods and Confections of Finest Flavor"

Beech-Nut Bacon
Beech-Nut Peanut Butter
Beech-Nut Coffee
Beech-Nut Macaroni, Spaghetti, Vermicelli
Beech-Nut Macaroni Elbows
Beech-Nut Macaroni Rings
Beech-Nut Prepared Spaghetti
Beech-Nut Pork and Beans
Beech-Nut Catsup, Chili Sauce
Beech-Nut Prepared Mustard
Beech-Nut Jams and Jellies
Beech-Nut Marmalades
Beech-Nut Preserves

Beech-Nut Confections

Beech-Nut Mints
Beech-Nut Fruit Drops
Beech-Nut Candy Drops
Beech-Nut Chewing Gum

Beech-Nut Peanut Butter

BEECH-NUT QUALITY · · · AT EVERYDAY PRICES

CARLTON
HOTEL
IN WASHINGTON

"We go to the Carlton Hotel in Washington"—"Of course, you'll find us at the Carlton this winter"—"Yes, indeed. I think you'll like stopping at the Carlton."

This is how a hotel establishes itself. The people who come here take for granted quiet rooms designed in good taste . . . lounges that have the atmosphere of their own drawing-rooms . . . a cuisine as perfect as their own.

And being sensible people they want a hotel which is conveniently situated in town—two squares beyond Lafayette Park and the White House—for their friends live nearby or there may be shopping to do of an afternoon or a round of official duties on Diplomatic Wednesday.

And you will hear, "I believe the Carlton is run by the same people who run the Wardman Park." That places it instantly, for the Wardman Park Hotel has long been known in Washington for its tradition of perfect service and distinguished clientele.

A hotel which is a pleasant place to be

Rates for suites, $20, $25 and $30; for double rooms, $8, $10, $12 and $15; plenty of single rooms from $6, $8 and $10. It is suggested that you make your reservations in advance. The Carlton Hotel, 16th St. at K St., Washington, D. C.

Hey! Get a Load of this

Here's a Real Contest

No kidding, gang, here's a chance for you air rifle lovers to do your stuff. The Open Road for Boys Magazine is staging a gigantic air rifle shooting contest, open to all under 18. And talk about prizes—more big cups and engraved medals than you can shake a stick at—official targets and everything. Just write "Air Rifle Contest, 130 Newbury St., Boston, Mass.", and you'll have all the information about this greatest of all contests by return mail. Be a winner—enroll now.

OFFICIAL TARGET

Five big contest bullseyes—and one practice bull—just like the big meet. Good rifle teams shoot at. And there's one of these official targets waiting for you—just write "Air Rifle Contest, 130 Newbury St., Boston, Mass.", for information. HURRY!!!

UNERRING ACCURACY *with a* No. 25 DAISY

Of course you can be a WINNER—won't your neighborhood gang envy you when you show them one of these big cups or an engraved medal? The No. 25 Daisy Pump Gun shown here is built JUST FOR THIS CONTEST—accurate to a hair—beautifully balanced—everything a REAL TARGET GUN should have, and at the ridiculously low price of only $3.95. Your local hardware or sporting goods dealer is just itching for a chance to show you this, and all the other fine guns in the 1933 Daisy line. WIN WITH A DAISY!!!

The Daisy Buck Barton Special is a knockout—modeled along the lines of rifles that all cowboys carry in their saddle cases. Daisy's adjustable-type sights, based on the principle, just found in the old bolt rifles. 1000 shots with one loading—just as fast as you can work the carbine-type lever—and built to stand the tough handling your Buck Barton fans will give it. And best of all, it only costs $1.95.

1.95

POLISH UP *your* AIM *on a* BELL TARGET

Practice, practice, PRACTICE—that's the way to make sure you'll be among the winners in this enormous hair-rifle contest. And the Daisy Bell Target is just the thing you need to get in trim. Made of heavy target steel, and equipped with a bell that rings when you hit the bullseye. Bell target and 12 target cards for only 50c—at your dealer's or we'll send it to you postpaid upon receipt of 50c.

STRAP ON A REAL SIX SHOOTER

50¢ COMPLETE

BULLS EYE COPPROTECT SHOT

The OFFICIAL Daisy ammunition. Big 5c tube contains 200 coppercoated pellets. Better lay in a supply from your dealer TODAY—practice with it, and make sure-offend count with it, too. BULLS EYE is the most accurate, hardest hitting air rifle shot in the world. WIN WITH A DAISY AND BULLS EYE SHOT!!!

3.95

TRADE IN YOUR OLD AIR RIFLE

You don't want to take a chance on missing out on all those swell cups and medals that the Open Road for Boys is offering in their air rifle contest, do you? If you own an air rifle and it doesn't shoot EVERY shot true to the mark, maybe we can make a dealer with you for a new one. Write us, giving make, age, and condition of your present air rifle and we'll tell you by return mail how you can get a brand new DAISY, and keep up a winning score in this big air rifle contest.

DAISY MANUFACTURING COMPANY - 240 UNION STREET - PLYMOUTH, MICHIGAN

DAISY AIR RIFLES

HOUSE BEAUTIFUL

Building
Planting
Furnishing

Christmas
1927

960 Fifth Avenue

At
77th STREET
where stood the
Clark Mansion

This distinctive apartment building introduces the town residence in which an individual home is achieved without separate-house disadvantages . . . Limited to thirteen apartments in all, ten basically different plans are presented for the personal selection of the prospective resident-purchaser . . . The scope thus offered the purchaser's own ideas is further augmented by the considerable latitude permitted for modification of the basic plans . . . With all, a thoroughly conservative dollar-for-dollar investment.

Thirteen to nineteen rooms. Prices from $130,000. Estimated maintenance, 5%.

ANTHONY CAMPAGNA · *Builder*

WARREN & WETMORE
ROSARIO CANDELA } *Architects*

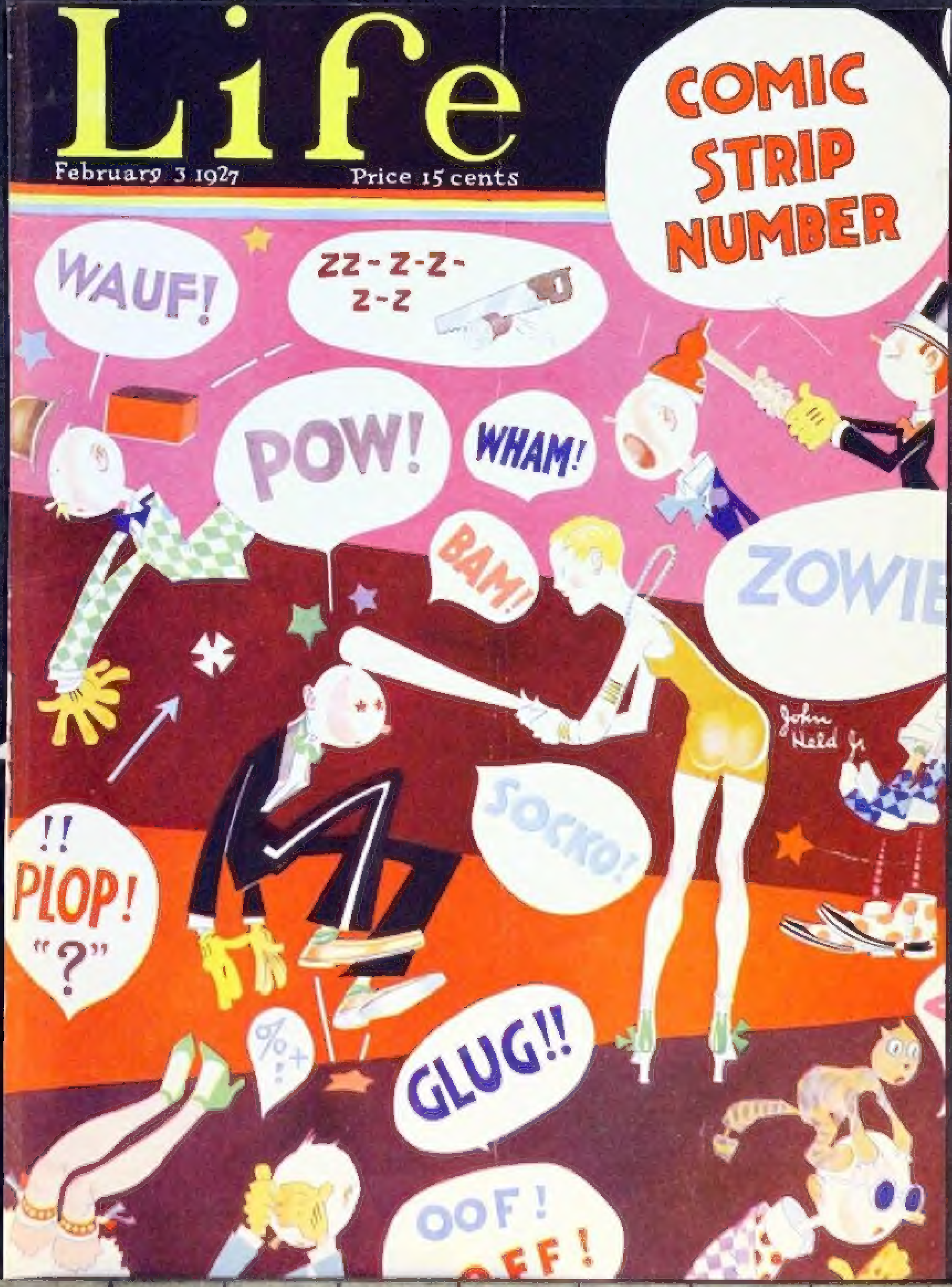
CROSS & CROSS · *Supervising Architects*

MRS. GEORGE DRAPER · *Consultant*

Selling & Managing Agent—Douglas L. Elliman & Co., Inc., 15 East 49th St., New York City—Telephone Plaza 9200

Life

February 3 1927 Price 15 cents



THE "SPRING-STEP"

A new Keds built for speed —

This sensational new Keds basketball shoe has a tough, sure-gripping sole. The "Spring-Step" is shaped to fit your feet—has a special sponge rubber arch cushion—cushion heel to absorb shocks that tire muscles—strap to support the instep. Comes in white with black trim.

"A BOY'S biggest asset is his speed of foot," writes a world-famous athlete. He adds, "Your shoes must be *exactly* right." *And he plays in Keds!*

Even in fastest action, this special Keds basketball shoe grips surely. The soles are tough and springy. They absorb the jars that tire muscles and slow down play. The uppers are very light yet so strong they protect the ankles against sudden twists and sprains. And the special Feltex innersole helps to keep the feet comfortable.

There are Keds for every sport, indoors and out. Ask for Keds by name. *And be sure to look for the name Keds on the shoe.* Keds come in all popular styles, at prices from $1.25 to $4.50. They are made only by

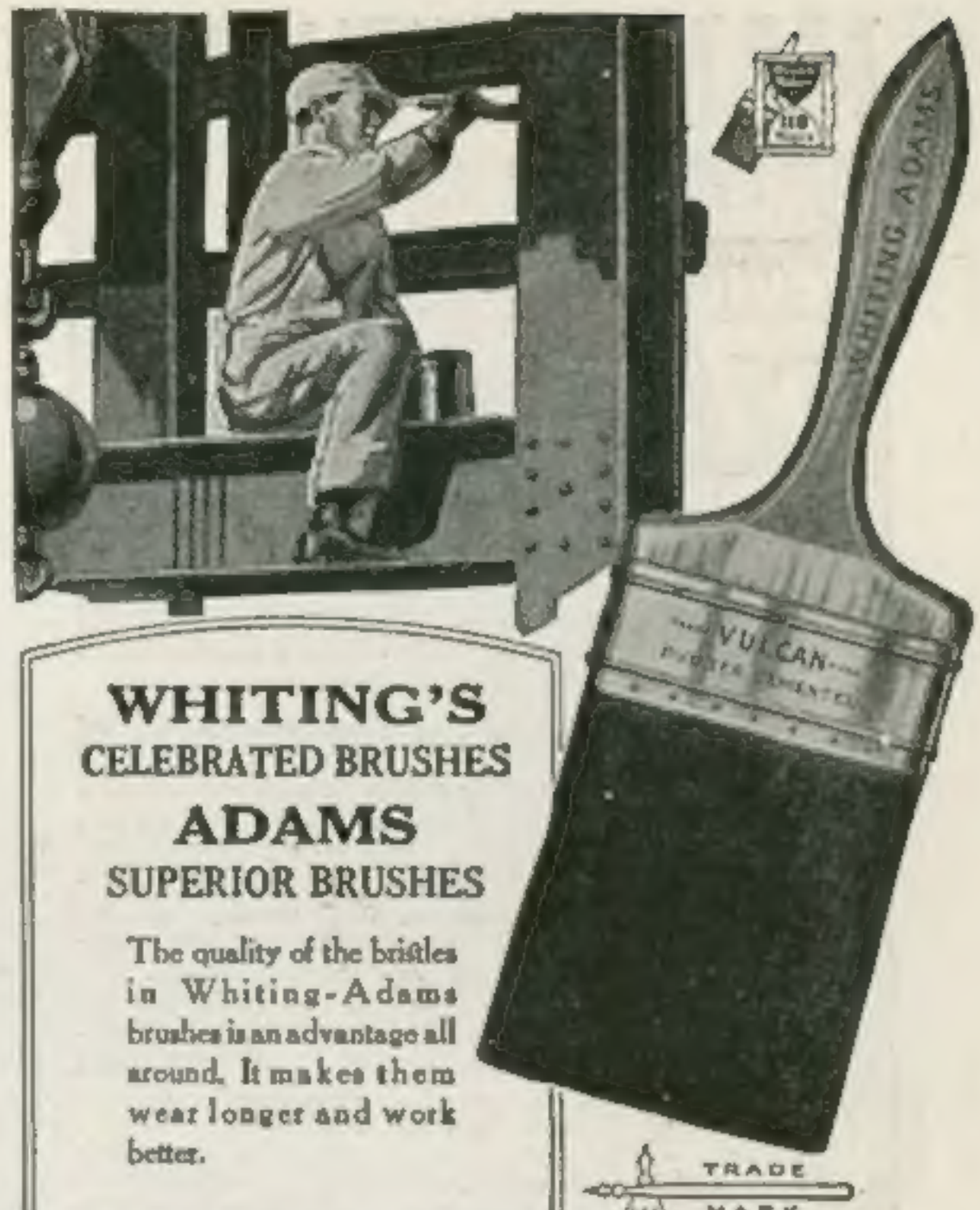
United States Rubber Company

Keds

Reg. U. S. Pat. Off.

They are* not *Keds unless the* name *Keds is on the shoe

Please Mention Popular Mechanics



WHITING'S
CELEBRATED BRUSHES
ADAMS
SUPERIOR BRUSHES

The quality of the bristles in Whiting-Adams brushes is an advantage all around. It makes them wear longer and work better.

TRADE MARK

WHITING-ADAMS
BOSTON
BRUSH MAKERS FOR 118 YEARS

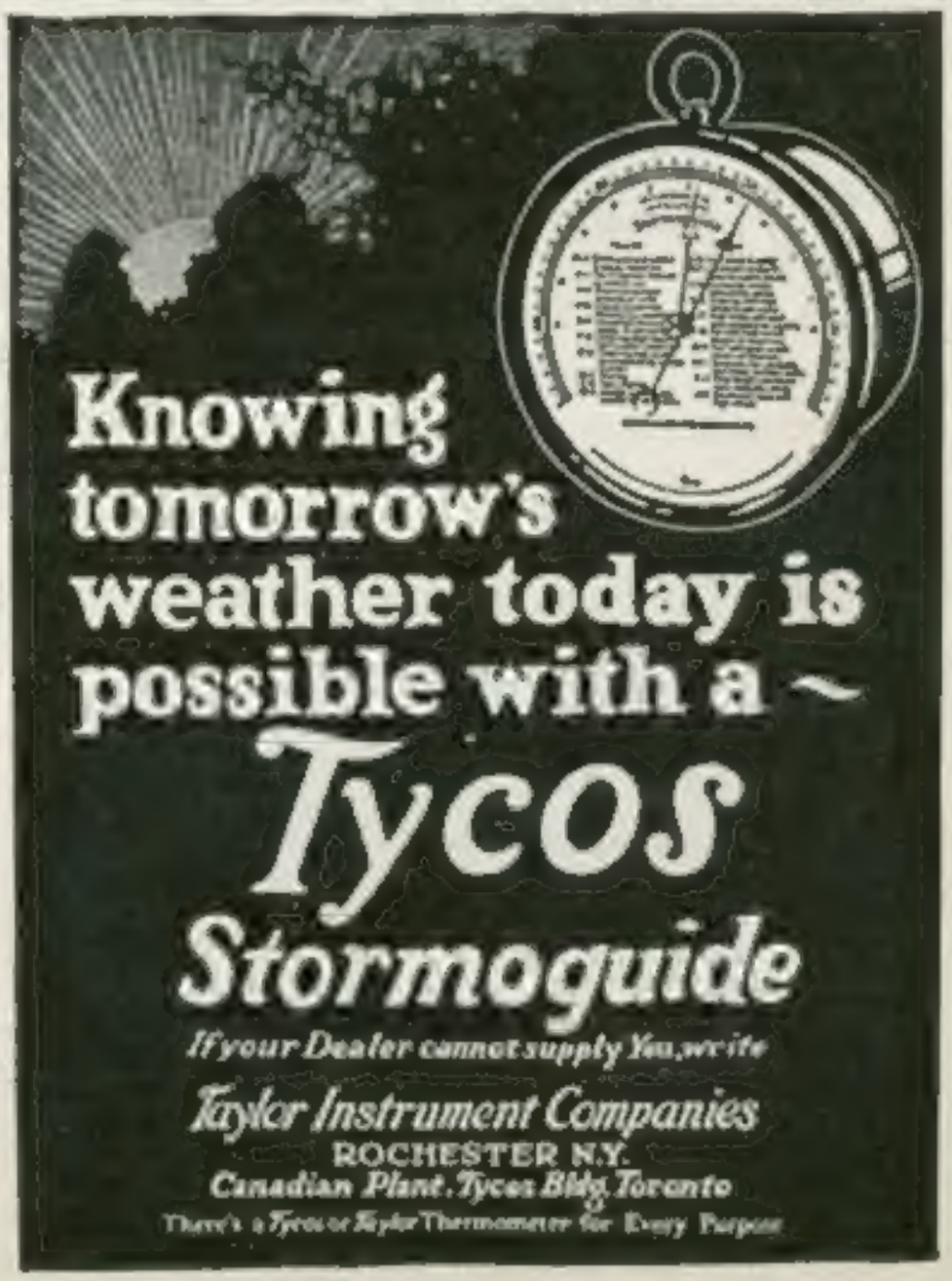
In Your Home

Our marvelous, practical **Movie Machines** sell as low as $3.75 postpaid, and use same size film as big theatres. We also have wonderful films at lowest prices—with a new film exchange service.

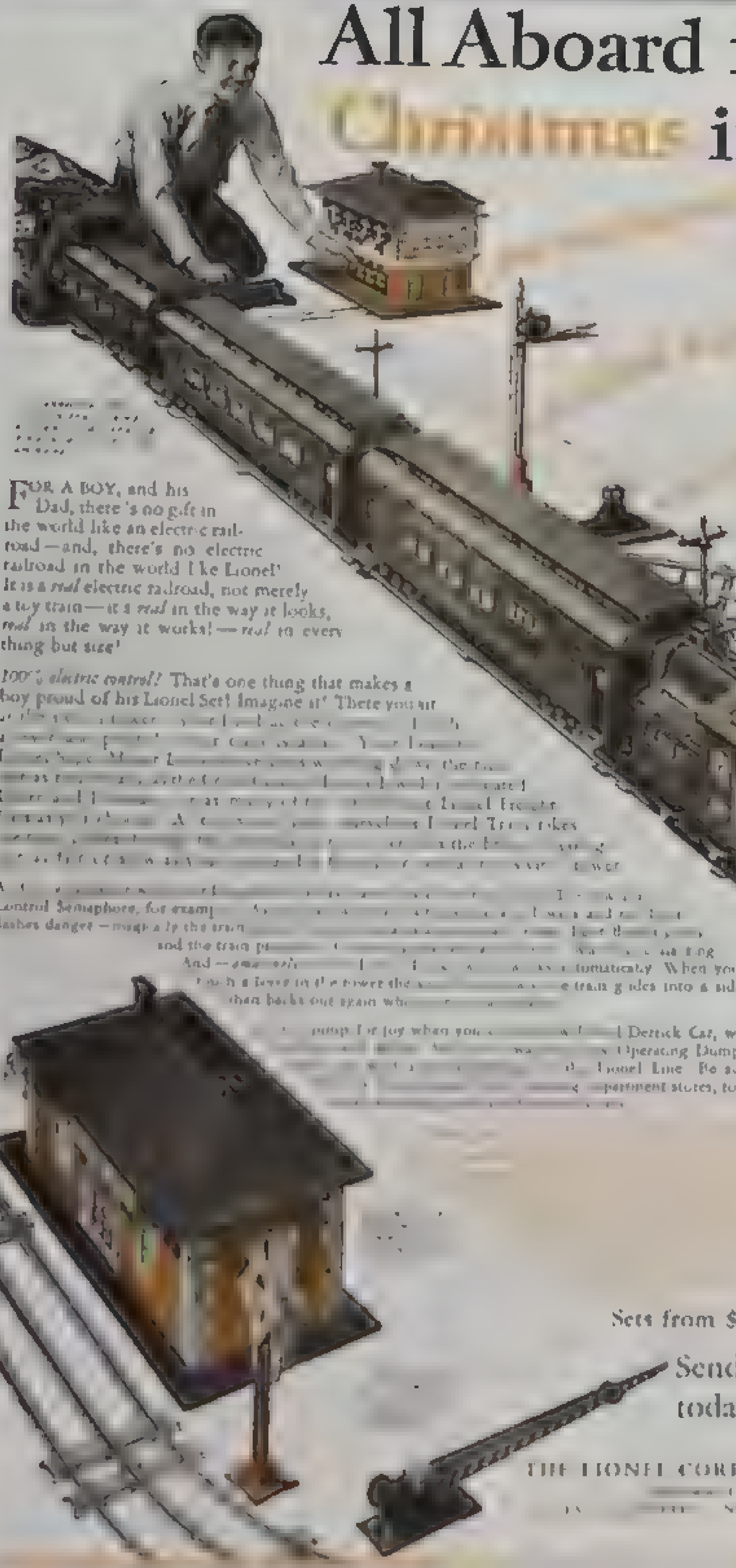
Don't Miss This!

Write NOW for Free Catalogue.

PARAMOUNT MANUFACTURING CO.
Dept. MD, Boston, Mass.



All Aboard for the Greatest Christmas in any Boy's Life!



FOR A BOY, and his Dad, there's no gift in the world like an electric railroad—and, there's no electric railroad in the world like Lionel! It is a *real* electric railroad, not merely a toy train—it's *real* in the way it looks, *real* in the way it works!—*real* in every thing but size!

100% electric control! That's one thing that makes a boy proud of his Lionel Set! Imagine it! There you sit

Control Semaphore, for exam

danger—stops the train

and the train p

And—

touch a lever in the tower the

then backs out again wh

jump for joy when you

Operating Dump Car. In t

Lionel Line. Be sure to see Lio

partment stores, toy, hardware

ELECTRICALLY CONTROLLED!

Mas

stopped, reversed and operated at any

Free!

Sets from $5.75 to $300

Send for book today—free!

THE LIONEL CORPORATION

NEW YORK, N. Y.

"STANDARD OF THE WORLD SINCE 1900"

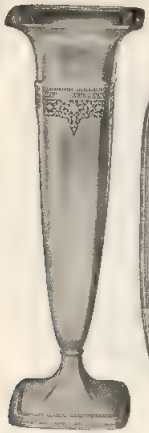
LIONEL ELECTRIC TRAINS

MODEL RAILROAD ACCESSORIES

"MULTIVOLT" TRANSFORMERS

ANCESTRAL PATTERN

To Match Knives, Forks and Spoons of the Same Design



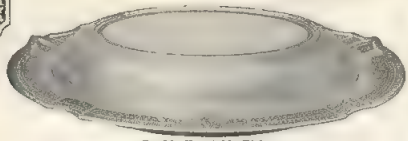
H5789. Vase, gold lined. Etched, butler grey finish. Height, 12 inches. Each $20.86

H5790. Coffee Set. Etched, butler grey finish. Set of 4 pieces..$104.30
H5791. Coffee, 2 pints ..... Each 41.72
H5792. Sugar, gold lined ..... Each 20.86
H5793. Cream, gold lined ..... Each 15.64
H5794. Waiter, 14½ inches ..... Each 26.08
Handle of pot fitted with heat insulators

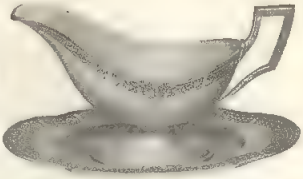
H5795. Candlestick. Etched, butler grey finish. Height, 10½ inches. Each $15.65

H5796. Coffee or Tea Set. Etched, butler grey finish. Set of 4 pieces and tray. $164.24
H5797. Coffee or Tea, 6 half pints ..... Each 41.72
H5798. Sugar ..... Each 31.30
H5799. Cream, gold lined ..... Each 26.08
H5800. Waste Bowl, gold lined ..... Each 15.64
H5801. Waiter, 22⅛ inches ..... Each 49.80
Handle of pot fitted with heat insulators

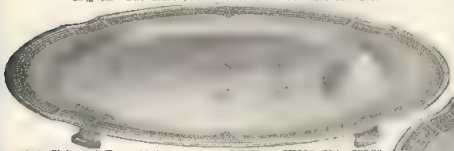
ANCESTRAL SERVICE



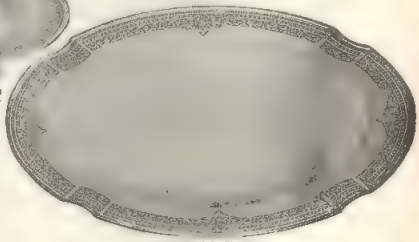
Double Vegetable Dish
H5802. Etched, butler grey finish. Side handles. Length, 12¾ in. The most practical of all silverware items $11.39



Gravy Boat and Plate
H5803. Etched, butler grey finish. Capacity, 8 ounces. The gravy boat has excellent capacity and is ready for use at every dinner.....$20.08

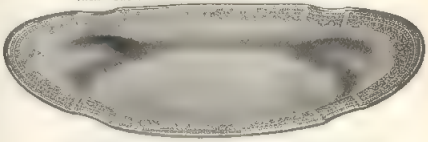


H5804. Well and Tree, 18 in. .....$41.72 **H5806.** 20 in..$37.00
H5805. Without Well and Tree, 16 in. 24.08 **H5807.** 18 in. 31.39

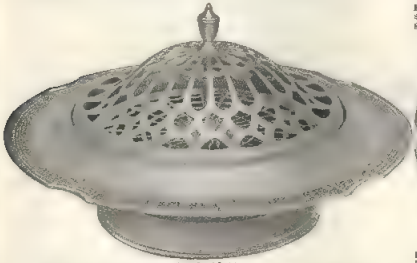


Sandwich Tray
H5808. Etched, butler grey finish. Length, 12¾ inches. One of the needed things in a home.....$17.20

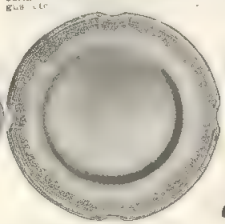
Pitcher
H5809. Etched, Butler grey finish. Capacity, 4 pints. The home with a water pitcher so exquisite might well favor the simple drink..... .....$46.94



Bread Tray
H5810. Etched, butler grey finish. Length, 13 inches. suitable for the serving of bread, toast, celery, asparagus or cake $17.20



Centerpiece
H5811. Etched butler grey bowl. Gold lined. Diameter, 13 inches. With silver plated double mesh. Use for displaying cut flowers.....$32.16



Bread and Butter Plate
H5812. Etched butler grey finish
Diameter 6¼ inches..... $7.52
Service Plate
H5813. Diameter 10½ inches
Each $15.64

Salt and Pepper Set
H5814. Etched, butler grey finish. Height, 5¼ in. $15.64

1847 ROGERS BROS. SILVER PLATED WARE

ANNIVERSARY DESIGN

Bright Finish

The simple, yet rich Colonial design suggests cordial hospitality, and the atmosphere of family reunion and anniversary celebration. Unlimited replacement guarantee. Wrapped in anti-tarnish parchment. All fancy pieces are supplied, singly or in sets, in white kid finish, blue velvet lined gift boxes.

SPOONS

No. 8501 Tea Spoons ..... Per Dozen, **$8.80**
No. 8502 Dessert or Oval Soup Spoons..... Per Dozen, **$17.00**
No. 8503 Table or Serving Spoons..Per Dozen, **17.60**
No. 8504 Soup Spoons, Round Bowl..Per Dozen, **17.60**
No. 85005 Bouillon Spoons .....Per Dozen, **17.00**
No. 8501 to 8504, One-Half Dozen in a Box; No. 85005, One Half Dozen in a Blue Velvet Lined Gift Box

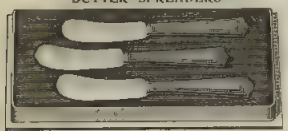
FORKS

No. 8505 Flat Handle Dinner Forks..Per Dozen, **$17.60**
No. 8506 Flat Handle Dessert Forks Per Dozen, **17.00**
One-Half Dozen in a Box

BERRY OR SALAD SPOONS

No. 85003 Large Berry or Salad Spoon..... Per Dozen, **$45.88**
No. 85004 Small Berry or Salad Spoon ..... Per Dozen, **$38.84**
One-Twelfth Dozen in a Blue Velvet Lined Gift Box

BUTTER SPREADERS



No. 85202 Butter Spreaders.....Per Dozen, **$14.72**
One-Half Dozen in a Blue Velvet lined Gift Box

SUGAR SPOONS

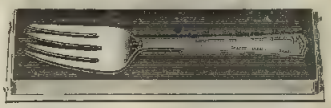
No. 85017 Sugar Spoon.....Per Dozen **$17.60**
One-Twelfth Dozen in a Blue Velvet Lined Gift Box

TEA SPOON
Actual size

KNIVES

No. 85402S Hollow Handle Dinner Knives with Stainless French Blades.. . . . Per Dozen, **$30.00**
No. 85402 Hollow Handle Dinner Knives with Plated Blades .. . . . Per Dozen, **$27.52**
No. 85404S Hollow Handle Dessert Knives with Stainless Blades .....Per Dozen **$29.36**
No. 85404 Hollow Handle Dessert Knives with Plated Blades . . . . . Per Dozen, **$27.24**
No. 85472S Solid Handle Dinner Knives with Stainless French Blades .....Per Dozen, **$17.52**
No. 85471 Solid Handle Dinner Knives with Plated Blades .....Per Dozen, **$12.52**
One-Half Dozen in a Box

COLD MEAT FORKS



No. 85103 Large Cold Meat Fork...Per Dozen, **$28.24**
No. 85104 Small Cold Meat Fork...Per Dozen, **24.72**
One-Twelfth Dozen in a Blue Velvet Lined Gift Box

COFFEE SPOONS

No. 85008 Coffee Spoons.....Per Dozen **$8.80**
One-Half Dozen in a Blue Velvet Lined Gift Box

BUTTER KNIVES

No. 85201 Butter Knife.....Per Dozen. **$17.60**
One-Twelfth Dozen in a Blue Velvet Lined Gift Box

BUTTER KNIFE AND SUGAR SPOON SETS

No. 85301 Butter Knife and Sugar Spoon ..... Per Set, **$2.94**
One Set in a Blue Velvet Lined Gift Box

KNIVES AND FORKS IN SETS

No. 85481S Six each Solid Handle Dinner Knives with Stainless Blades and Solid Handle Dinner Forks.....Per Set, **$15.02**
No. 85481 Six each Solid Handle Dinner Knives with Plated Blades and Solid Handle Dinner Forks .....Per Set, **$12.52**
No. 85483S Six each Solid Handle Dinner Knives with Stainless French Blades and Flat Handle Dinner Forks.....Per Set, **$17.56**
One Set in a Blue Velvet Lined Gift Box

KNIVES AND FORKS IN SETS

No. 85421S Six each Hollow Handle Dinner Knives with Stainless French Blades and Flat Handle Dinner Forks . . .Per Set, **$23.80**
No. 85421 Six each Hollow Handle Dinner Knives with Plated Blades and Flat Handle Dinner Forks.....Per Set, **$22.56**
One Set in a Blue Velvet Lined Gift Box

1847 ROGERS BROS. SILVER PLATED WARE

ANNIVERSARY DESIGN—Continued

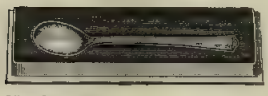
Bright Finish

BABY SPOONS

No. 85001 Bent Handle Baby Spoons.....Per Dozen, $14.12

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

OLIVE SPOONS



No. 85013 Olive Spoon.....Per Dozen, $24.72

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

TOMATO OR CUCUMBER SERVERS

No. 85252 Tomato or Cucumber Server.....Per Dozen, $45.88

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

CARVING SETS

Hollow Handle Carving Sets with stainless steel blades.

No. 85439S Bird or Steak Set, two pieces. . .Per Set, $10.00
No. 85437S Game Set, two pieces.....Per Set, 15.32
No. 85436S Beef Set, three pieces.....Per Set, 20.00

One Set in a Blue Velvet Lined Gift Box

ORANGE OR GRAPE FRUIT SPOONS

No. 85014 Orange or Grape Fruit Spoons.....Per Dozen, $12.36

One-Half Dozen in a Blue Velvet Lined Gift Box

BABY SETS

No. 85304 Short Handle Baby Spoon and Fork.....Per Set, $2.36

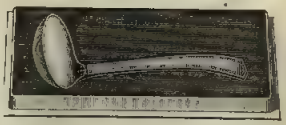
One Set in a Blue Velvet Lined Gift Box

PICKLE FORKS

No. 85108 Short Pickle Forks.. ....Per Dozen, $21.16

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

GRAVY AND CREAM LADLES



No. 85227 Gravy Ladle .....Per Dozen, $35.28
No. 85226 Cream Ladle .....Per Dozen, 28.24

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

DESSERT SERVER

No. 85253 Dessert Server .....Per Dozen, $60.00

One-Twelfth Dozen in a Blue Velvet Lined Gift Box

SALAD FORKS

No. 85111 Salad Forks, individual.....Per Dozen, $17.60

One-Half Dozen in a Blue Velvet Lined Gift Box

1847 ROGERS BROS. SILVER PLATED WARE

ARGOSY DESIGN

Grey Finish

Delicate balance joined with subtle, ornamental tracery is the secret of the gay charm of Argosy pattern, the newest design in this fine silverplate. Unlimited replacement guarantee. Wrapped in anti-tarnish parchment. All fancy pieces are supplied singly or in sets, in white kid finish boxes, blue velvet-lined boxes

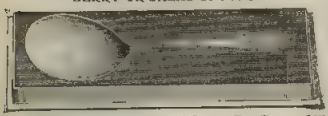
SPOONS

No. 8701 Tea Spoons .....Per Dozen, **$8.80**
No. 8702 Dessert or Oval Soup Spoons...Per Dozen, **17.00**
No. 8703 Table or Serving Spoons.....Per Dozen, **17.60**
No. 8704 Soup Spoons, Round Bowl...Per Dozen, **17.60**
No. 87005 Bouillon Spoons .....Per Dozen, **17.00**
No. 8701 to 8704, One-Half Dozen in a Plain Box; No. 87005 One-Half Dozen in a Blue Velvet-lined Gift Box

Forks

No. 8705 Flat Handle Dinner Forks....Per Dozen, **$17.00**
No. 8706 Flat Handle Dessert Forks...Per Dozen, **17.00**
One-Half Dozen in a Box

BERRY OR SALAD SPOONS



No. 87003 Large Berry or Salad Spoon, Per Dozen, **$45.88**
No. 87004 Small Berry or Salad Spoon...Per Dozen, **38.84**
One-Twelfth Dozen in a Blue Velvet-lined Gift Box.

BUTTER SPREADERS

No. 87202 Butter Spreaders.....Per Dozen, **$14.72**
One-Half Dozen in a Blue Velvet-lined Gift Box.

SUGAR SPOONS

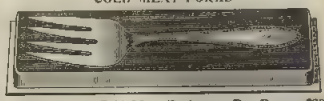
No. 87017 Sugar Spoon.....Per Dozen, **$17.60**
One-Twelfth Dozen in a Blue Velvet-lined Gift Box

Tea Spoon Actual Size

KNIVES

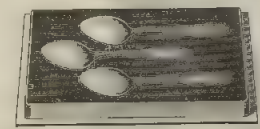
No. 87402S Hollow Handle Dinner Knives with Stainless French Blades .....Per Dozen, **$30.00**
No. 87402 Hollow Handle Dinner Knives with Plated French Blades .....Per Dozen, **$27.52**
No. 87404S Hollow Handle Dessert Knives with Stainless Blades .....Per Dozen, **$29.36**
No. 87404 Hollow Handle Dessert Knives with Plated Blades .....Per Dozen, **$27.24**
No. 87472S Solid Handle Dinner Knives with Stainless French Blades .....Per Dozen, **$17.52**
No. 87471 Solid Handle Dinner Knives with Plated Blades .....Per Dozen, **$12.52**
One-Half Dozen in a Box

COLD MEAT FORKS



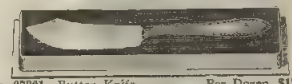
No. 87103 Large Cold Meat Fork.....Per Dozen, **$28.24**
No. 87104 Small Cold Meat Fork.....Per Dozen, **24.72**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

COFFEE SPOONS



No. 87008 Coffee Spoons .....Per Dozen, **$8.80**
One-Half Dozen in a Blue Velvet-Lined Gift Box

BUTTER KNIVES



No. 87201 Butter Knife .....Per Dozen, **$17.60**
One-Twelfth Dozen in a Blue Velvet Lined Gift Box

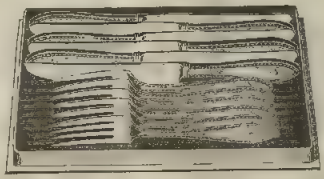
BUTTER KNIFE AND SUGAR SPOON SETS

No. 87301 Butter Knife and Sugar Spoon Set.....Per Set, **$2.94**
One Set in a Blue Velvet-Lined Gift Box

KNIVES AND FORKS IN SETS

No. 87483S Six each Solid Handle Dinner Knives with Stainless French Blades and Flat Handle Dinner Forks.....Per Set, **$17.56**
No. 87483 Six Each Solid Handle Dinner Knives, with Plated French Blades and Flat Handle Dinner Forks Per Set, **$15.06**
No. 87484 Six each Solid Handle Dessert Knives, with Plated French Blades and Flat Handle Dessert Forks.....Per Set **$14.62**
One Set in a Blue Velvet-lined Gift Box

KNIVES AND FORKS IN SETS

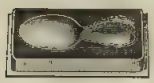


No. 87421S Six each Hollow Handle Dinner Knives, with Stainless French Blades and Flat Handle Dinner Forks.....Per Set, **$23.80**
No. 87421 Six each Hollow Handle Dinner Knives, with Plated French Blades and Flat Handle Dinner Forks.....Per Set, **$22.56**
One Set in a Blue Velvet-Lined Gift Box

1847 ROGERS BROS. SILVER PLATED WARE

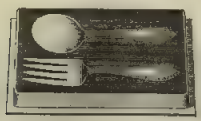
ARGOSY DESIGN—Continued
Gray Finish

BABY SPOONS



No. 87001 Bent Handle Baby Spoon .....Per Dozen, **$14.12**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

BABY SETS



No. 87304 Short Handle Baby Spoon and Fork.....Per Set, **$2.36**
One Set in a Blue Velvet-Lined Gift Box

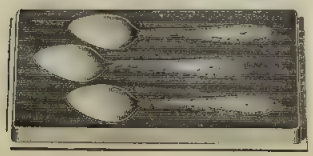
OLIVE SPOONS

No. 87013 Olive Spoon .....Per Dozen, **$24.72**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

TOMATO OR CUCUMBER SERVERS

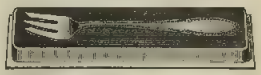
No. 87252 Tomato or Cucumber Server.....Per Dozen, **$45.88**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

ORANGE OR GRAPE FRUIT SPOONS



No. 87014 Orange or Grape Fruit Spoon.....Per Dozen, **$12.36**
One-Half Dozen in a Blue Velvet-Lined Gift Box

PICKLE FORKS



No. 87108 Short Pickle Fork.....Per Dozen, **$21.16**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

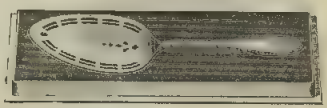
GRAVY AND CREAM LADLES

No. 87227 Gravy Ladle .....Per Dozen, **$35.28**
No. 87226 Cream Ladle .....Per Dozen, **28.24**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

CARVING SETS

Hollow Handle Carving Sets with Stainless Steel Blades
No. 87439S Bird or Steak Set, two pieces. . . Per Set, **$10.00**
No. 87437S Game Set, two pieces .... . Per Set, **15.32**
No. 87436S Beef Set, three pieces ....Per Set, **20.00**
One Set in a Blue Velvet Lined Gift Box

DESSERT SERVER



No. 87253 Dessert Server .. ..Per Dozen, **$60.00**
One-Twelfth Dozen in a Blue Velvet-Lined Gift Box

SALAD FORKS

No. 87111 Salad Forks, individual .....Per Dozen, **$17.60**
One-Half Dozen in a Blue Lined Gift Box

Numerous Improvements Feature 1928 *Paige* Line

PRICE reductions of from $100 to $160 on 10 of the 20 Paige six and eight-cylinder body models feature the announcement by the Paige Motor Car Co. of numerous refinements in design. These reductions apply to all six models of the eight-cylinder line, these now ranging from $2,195 to $2,665, as well as to the 6-45 cabriolet roadster, 6-65 four-passenger roadster and the 6-75 cabriolet roadster and coupe, the last four all having been reduced $100.

Adoption of a new design manifold, rubber engine supports, an oil filter and a Lanchester vibration damper on the 6-75 feature the six-cylinder engine changes. On the cars now coming through, the inlet and exhaust manifold are cast in one piece, with a cored intake gas heater partially surrounding the central part of the inlet manifold. In the inlet manifold, which is of the four port type, all sharp corners have been eliminated. The exhaust manifold increases in diameter from rear to front, with the main pipe attached as formerly at the front end. This gradual increase in diameter is said to have materially aided in improving engine performance by preventing the building up of back-pressures near the front cylinder exhaust ports.

Four-point suspension is now used on all sizes with rubber insulation on the 6-65 and 6-75. The front supports have the U. S. rubber mounting, while the rear supports are of the trunnion type. A forged steel bracket bolts onto the engine at either rear side, this bracket having a cylindrical trunnion shaft, fitting into a sleeve in a malleable iron bracket riveted to the frame, and insulated from it by means of a rubber bushing flanged at one end. A rubber washer insulates the outer end of the engine bracket from a steel plate used to reduce side motion in the supports. Clearances at the end of the trunnion shaft have been designed so as to prevent the rubber washer or flange on the bushing from being in compression when assembled. A feature of this suspension is that the engine can be removed without disturbing the rubber mounting.

Radiator mounting on the 6-65 and 6-75 has also been changed. Formerly radiator cores were bolted down to the front frame cross-member. Cores now are hung inside the shell and the shell fastened down. A double V-type brace rod is used on these models to locate the top of the radiator shell. Another feature is the provision of a hood support on the cowl, so as to prevent marring of the finish when opening the hood.

Distributors have been set ahead two degrees farther than formerly, due to the new

Price Changes Made in Paige Line

	New Price	Old Price
6-45 Cabriolet Roadster	$1,195	$1,295
6-65 Roadster	1,395	1,495
6-75 Cabriolet Roadster	1,995	1,995
6-75 Coupe (4-p.)	1,895	1,995
8-85 Phaeton	2,195	2,295
8-85 5-p. Sedan	2,255	2,365
8-85 4-p. Coupe	2,495	2,665
8-85 Cabriolet Roadster	2,495	2,655
8-85 Limousine	2,665	2,795

Paige Model 8-85 Five-passenger sedan

manifold, and this has resulted in increased power and better acceleration.

A nickel-plated spark plug wire conduit has also been adopted to protect against shorting. Nickel plating is now also being used for such parts as radiator hose clamps, etc., to prevent rusting. Interior changes in the engines have been confined chiefly to a slight increase in compression ratio of the 6-45, by means of decreasing the combustion chamber height 1/32-in. As previously mentioned, a Lanchester vibration damper has been adopted on the front end of the 6-75 crankshaft. An air cleaner is now also standard equipment on the eight as well as on the sixes.

New one-piece intake and exhaust manifold on Paige sixes. Splits at ends are provided for expansion

Smaller, 20-in. wheels have been incorporated on the 6-65 models these now taking 30 by 5.25 balloon tires, decreasing overall height on these models. A further appearance of reduced height on all body models has been achieved through the use of lower top lines, and changed window reveal contours. Backs have been rounded off at the top, and visors have been shortened to improve external appearance. New color schemes are used throughout, a new style instrument board has been adopted and interior finish has been materially improved through the use of new upholstery, built in arm rests, and improved paneling. Mohair is used on the closed six-cylinder models with broadcloth on the eights.

High Compression Heads Optional on LaSalle

Following inquiries for LaSalle roadsters and phaetons equipped with high compression heads and low gear ratio, as a result of the test at the General Motors Proving Ground in which a similarly equipped roadster averaged 95.2 m.p.h. Cadillac Motor Car Co. announces it is offering similar equipment for LaSalle roadsters and phaetons. The new high compression heads have a compression ratio of 5.1 to 1 with a compression pressure of 100 lb. Ethyl gasoline or other anti-knock fuels are to be used with these heads. The new gear ratios are 4.0 to 1. Extra cost for this equipment is $125. When such equipment is used, the factory recommends the purchase of wire wheels, due to the higher speeds and increased acceleration. These wheels are offered at $95 additional, bringing the total cost for this special high speed equipment to $220.

Three new custom-built bodies originated by Fleetwood have been added to the LaSalle line. These include a two-passenger coupe, listing at $4,275, a five-passenger sedan at $4,475 and a town cabriolet listing at $5,000.

Special appointments in the coupe include a one-piece windshield, courtesy lights in the dust shield and a light flooding the package compartment in the rear deck.

Special equipment in the sedan includes two foot cushions and a pillow for the rear seat, smoking set with cigar lighter and ash trays, walnut vanity case, clock, mirror, memo pad and two silver perfume bottles, all inclosed in the vanity case.

New Ford Ready for Production

The following statement has been issued by Edsel B. Ford, president of the Ford Motor Company, in regard to the new Ford:

"The new Ford automobile is now an accomplished fact. The engineering problems affecting its design and equipment and affecting also its manufacture have all been solved.

"But before a single car of the new type is offered for sale to the public each part will have been tested under every condition which we have been able to discover in more than twenty years of building automobiles for use all over the world.

"We know now exactly what this new car is. We have built a number of these cars and they have been performing even better than we had hoped for under a variety of conditions.

"We know also what is needed as to personnel and factory equipment in order to produce these new Ford cars in greater numbers than any manufacturer has ever attempted before. The work of retooling our plants throughout the country to prepare for the heaviest production schedule we have ever undertaken, is now nearly complete.

"But we realize that any new automobile that is to gain and hold public esteem today, whether it shall sell for $500 or $10,000, must perform exactly as it is designed to perform. No automobile manufacturer, in this day and time, should allow the public to do his testing and proving for him. The Ford Motor Company cannot afford to permit the automobile user to discover imperfections in these new models.

"We haven't discovered any faults in the finished new Ford car, but we are taking nothing for granted. If there are any faults they shall be found and remedied before any of the cars are offered for sale."

Courtesy Rooms & Co. Furniture, Seattle Photo by THE JAMES BAYNE COMPANY, GRAND RAPIDS, MICHIGAN Period piece from Portland

Courtesy of Berkey & Co. Furniture Company

Four Color Process by THE JAMES BAYNE COMPANY, GRAND RAPIDS, MICHIGAN

Plates made [illegible] Furniture

Easy LIFT

Blackhawk Jacks, Hydraulic Oil Power, take the real grief out of tire-changing.

The "TOURIST"

1½-ton model (below) for average cars. Weighs only 6 lbs. Is 9½ in. low and 14 in. high. Readily placed and removed without getting under car. Popular price, including 2-piece, 34" handle.

B7.5—HI-WAY jack (above) will handle any car, but is especially good for low-hung, balloon-tired chassis. Low enough—7⅞ in.—for any front axle. Lifts high enough—18 in.—for any rear end. Double telescope lift with hand screw extension. Two-ton rating. Very easy operation. Two-piece bayonet-lock handle, 34 in. long.

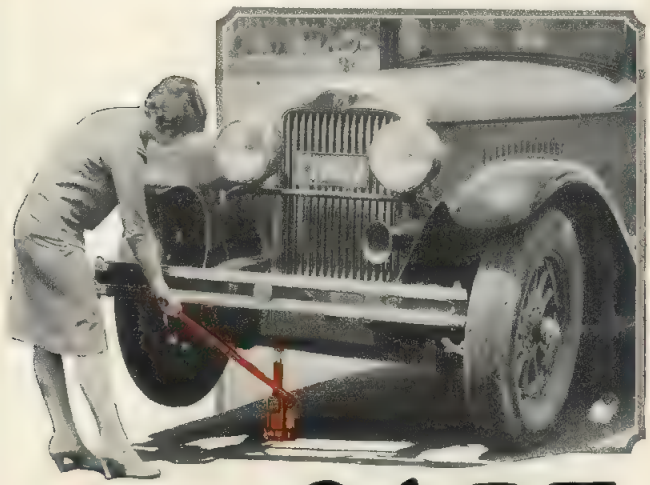
All Blackhawk Jacks are factory tested far beyond rated capacity.

WITH easy strokes of the long handle these super-power jacks lift the heaviest cars—almost no effort at all.

Lowering is automatic—just turn the release valve with the handle and down comes the car, smoothly and safely.

Blackhawk Jacking is a real joy to the motorist who has wrestled with ordinary jacks. The operation is *so easy*—and the jack is so handy to slide into and out of position under any axle.

BLACKHAWK



Easy SALE

Tourists, jack-wise motorists and women drivers are a prime market for Blackhawk Jacks. To them the easy operation and positive power of these jacks appeal strongly. Sales are easy.

Blackhawk Jacks have been proved out by five years of general use on the Coast under another name. They have been improved and standardized by Blackhawk engineering.

The line is complete—and selling in amazing volume. Get in on this business now. Your Jobber can supply you. Ask him about our Free Demonstrator Display.

Write us for prices and details.

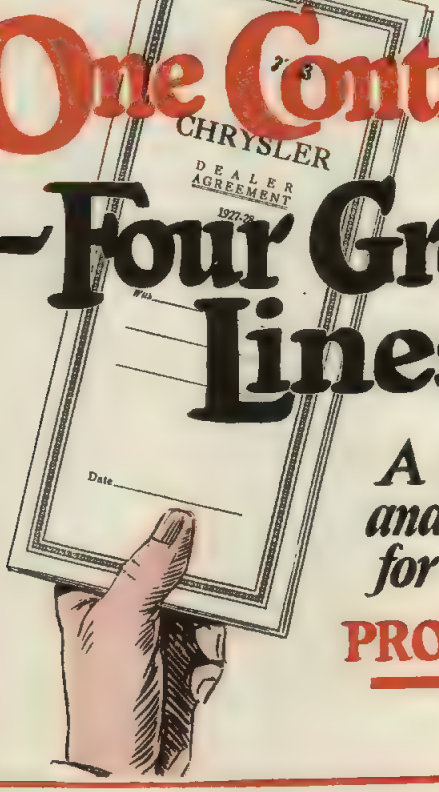
BLACKHAWK MFG. COMPANY
Dept. G Milwaukee, Wis.
Mfrs. of Blackhawk Wrenches and Pumps

JACKS HYDRAULIC OIL-POWER

NEW CHRYSLER "52"

GREAT NEW "62"

One Contract



~Four Great Lines

A type and price for every

PROSPECT

ILLUSTRIOUS NEW "72"

IMPERIAL "80"

TODAY, with the "52," "62," "72" and Imperial "80" Chrysler is supplying the proved best in the four greatest motor car markets.

Demand for the new Chrysler models is beyond all past records. To take care of the sweeping publ c preference Chrysler needs 2,000 additional dealers, particularly in smaller centers of population.

Why not capitalize on this tremendous enthusiasm?

Chrysler offers the only franchise for a *complete line of cars of Standardized Quality* to meet the requirements of all classes of quality car buyers from $725 to $3595 — each car the outstanding value in its particular price field.

It offers this group of cars for dealers to sell under a single name and a single roof, eliminating the cost y overhead and creating fine facilities and organizations to give the public the kind of service it should get.

How many franchises would you have to hold to obtain comparable coverage with other cars? How much costlier would it be for you to do business with these various manufacturers? How much more floor space would you need to display all these lines satisfactorily to all concerned? How much more in service facilities, parts stocks, etc., etc.?

And even then you wouldn't have the popular line of cars that a Chrysler franchise offers you.

Ask any Chrysler dealer of the sales certainties—not mere possibilities—which the new 1927-28 Chrysler Franchise places before you. Learn why it is the most attractive agreement ever written. Particularly, the feature which makes it possible for a dealer in very small communities to sign up only for the "52," yet to have the other models available at call, without any definite commitment except for the "52."

Probably this is the opportunity you have long awaited to ally yourself with the most up-and-coming organization in the automobile industry. Maybe we need a dealer in your community right now. The surest way to find out is to inquire.

Investigate! Send in this coupon today.

CHRYSLER SALES CORPORATION, DETROIT, MICH.
CHRYSLER CORPORATION OF CANADA, LIMITED, WINDSOR, ONTARIO

WIRE WRITE or PHONE NOW

Your inquiry will be held in strictest confidence, whether or not a permanent connection with our company results

COUPON

CHRYSLER SALES CORPORATION
Detroit, Mich.

Please let me have, without any obligation on my part, complete details of your new 1927-1928 sales franchise.

Name _____

Street _____

City _____ State _____

COMMUNITY PLATE

THE Patrician DESIGN
The simple dignity of Patrician is ennobled by the exquisitely graceful shaping of the pieces, its wondrously rich and lovely finish
Bright Finish
DESSERT SPOON
DINNER KNIFE
DINNER FORK
TABLE SPOON

50 YEAR REPLACEMENT GUARANTEE

SPOONS—*Six in Box*	*Per Doz.*
Tea	$9 76
Dessert	18 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18 88

KNIVES (*Plated Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner	$ 31.20
Hollow Handle Dessert	30.48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19 12

KNIVES (*Stainless Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner De Luxe	$36 80
Hollow Handle Dessert De Luxe	36 08
Modeled Handle Dinner	21.48

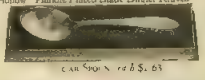
COMMUNITY PLATE

29 OR 26 PIECES IN FREE PETIT BUFFET

With Hollow Handle	DeLuxe Stainless Din. Knives,	$46.04
With Hollow Handle	DeLuxe Stainless Dec. Knives,	43.76
With Modeled Handle	Stainless Dinner Knives,	38.08
With Hollow Handle	Plated Blade Dinner Knives,	43.24

29 OR 26 PIECES IN DUO SERVICE TRAYS

With Hollow Handle	DeLuxe Stainless Din. Knives,	$48.12
With Hollow Handle	DeLuxe Stainless Dec. Knives,	47.64
With Modeled Handle	Stainless Dinner Knives,	40.46
With Hollow Handle	Plated Blade Dinner Knives,	45.32



CAR SPOON, *each* $5.63

BUTTER KNIFE, *each* $1.63

BUTTER KNIFE AND SUGAR SPOON, *set* $3.24

INDIVIDUAL SALAD OR PASTRY FORKS, *set* $9.76

AFTER DINNER COFFEE SPOONS, *set* $5.20
SHERBET OR FIVE O'CLOCK TEASPOONS, *set* $5.20
JAM OR CONSERVE SPOON, *each* $1.96
ORANGE OR GRAPEFRUIT SPOONS, *set* $7.50
SALAD DRESSING OR SMALL LADLE, *each* $2.93
SERVING OR GRAVY LADLE, *each* $3.58
MEDIUM SOUP LADLE, *each* $10.43
ICED TEA OR ICED DRINK SPOONS, *set* $7.82
ICE CREAM OR SHERBET FORKS, *set* $8.14
INDIVIDUAL PIE FORKS, *set* $11.08
ICE CREAM OR SUNDAE SPOONS, *set* $7.50
PIERCED BON BON SPOON, *each* $3.25
LEMON OR RELISH FORK, *each* $1.63
PIERCED PASTRY SERVER, *each* $5.55
CAKE OR PASTRY SERVING FORK, *each* $3.58
HOLLOW HANDLE PIE OR ICE CREAM SERVER, *each* $5.55
HOLLOW HANDLE CHEESE SERVER, *each* $3.58
SUGAR TONGS, *each* $2.61
HOLLOW HANDLE FRUIT KNIVES, *set* $14.90
MODELED HANDLE FRUIT KNIVES, *set* $9.56
DELUXE KNIFE SHARPENER, *each* $3.25

STAINLESS CARVING SETS

3-PIECE HOLLOW HANDLE, *set* $24.10
2-PIECE HOLLOW HANDLE (*7-inch blade*), *set* $14.18
2 PIECE HOLLOW HANDLE, *set* $9.90
2-PIECE MODELED HANDLE, *set* $7.00

Packed in Blue Velvet Gift Boxes

43 PIECE COURT CABINET

29-PIECE COURT CABINETS

With Hollow Handle	DeLuxe Stainless Din. Knives,	$51.88
With Modeled Handle	Stainless Dinner Knives,	44.22

29-PIECE COURT CABINETS SAME PRICES AS 24-PIECES

43-PIECE COURT CABINETS

With Hollow Handle	DeLuxe Stainless Din. Knives,	$78.88
With Modeled Handle	Stainless Dinner Knives,	71.22

56-PIECE COURT CABINETS

With Hollow Handle	DeLuxe Stainless Din. Knives,	$104.76
With Modeled Handle	Stainless Dinner Knives,	89.44

COLD MEAT OR SERVING FORK, *each* $3.25
SMALL COLD MEAT OR SARDINE FORK, *each* $2.61

BERRY OR SERVING SPOON, *each* $4.56
SMALL BERRY OR PRESERVE SPOON, *each* $3.58

INDIVIDUAL BUTTER SPREADERS, *set* $8.14

JELLY SERVER, *each* $1.96
PICKLE OR OLIVE FORK, *each* $1.96
OLIVE OR SALTED NUT SPOON, *each* $2.27
PIERCED ROUND SERVER, *each* $4.24
OYSTER OR SEAFOOD FORKS, *set* $6.84
BOUILLON OR CONSOMME SPOONS, *set* $9.44
BABY'S FORK, *each* $1.30
BABY'S SPOON, *each* $1.30
BABY'S SET, *set* $2.56
CHILD'S SET (*with Hollow Handle Knife*), *set* $5.20
CHILD'S SET (*with Flat Handle Knife*), *set* $3.92

KNIFE AND FORK SETS

(*STAINLESS BLADE KNIVES*)

Hollow Handle	DeLuxe Dinner Knives, Flat Forks, *set*	$28.40
Hollow Handle	DeLuxe Dessert Knives, Flat Forks, *set*	27.46
Modeled Handle	Dinner Knives, Flat Forks, *set*	20.90

(*PLATED BLADE KNIVES*)

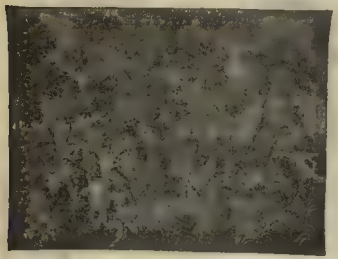
Hollow Handle	Dinner Knives, Flat Forks, *set*	$25.36
Hollow Handle	Dessert Knives, Flat Forks, *set*	24.08
Modeled Handle	Dinner Knives, Flat Forks, *set*	19.68
Modeled Handle	Dessert Knives, Flat Forks, *set*	19.00

Packed in Blue Velvet Gift Boxes

The PATRICIAN *Design*

TAPESTRY PANELS

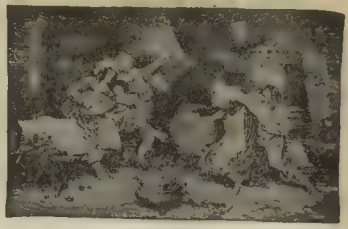
Imported from France. Cotton woven through in a combination of colors, red, brown, deep green and gold blended so as to harmonize with the furnishings in any living, dining, music room or den. The titles are reproductions of ancient tapestries and old paintings by French artists, Marchetti, Vinea, etc.



Title—The Catch.

Each

No. 773—Size 29 ins. high x 38 ins. wide $29 25



Title—The Flatterer.

Each

No. 249—Size 26 ins. high x 41 ins. wide $26 25

Title—The Cavalier.

Each

No. 807—Size 50 ins. high 38 ins. wide $27 00

Title—Woodland Mates.

Each

No. 6—Size 60 ins. high x 48 ins. wide $56 25

TAPESTRY PANELS

Imported from France Cotton woven through in a combination of colors, red, brown, deep green and gold blended so as to harmonize with the furnishings in any living, dining, music room or den. The titles are reproductions of ancient tapestries and old paintings by French artists, Marchetti, Vines, etc.

Title, The Tavern. Artist. Each
No. 173—Size 26 ins. high x 41 ins wide..... $24 75

Title, Music. Each
No. 121—Size 25 ins. high x 30 ins. wide..... $12 75

Title—Crane And The Mill. Each
No. 473—Size 76 ins. high x 50 ins. wide..... $44 25

Title—Lady Of The Hunt. Each
No. 739—Size 40 ins. high x 26 ins. wide..... $23 25

WINE AND LIQUOR SETS

1C1865 [illegible] set, 1 qt. [illegible] decanter, SIX [illegible] with [illegible] In carton, 25 lbs.
SET 8 pcs **$1.30**

1C1858 2 styles, 1 pt. blown decanter deep tray 8¾ in. diam., SIX 1 oz. pressed [illegible] In carton, 25 lbs. Assd. [illegible] in case.
SET 8 pcs **$1.40**

1C1847 2 styles, 1 pt. blown decanter, fisherman [illegible] optic effect [illegible] stopper, [illegible] with [illegible] SIX 2 oz. pressed [illegible] In carton, 25 lbs.
SET 7 pcs **$1.65**

7 piece set, polished [illegible] pint [illegible] keg [illegible] with [illegible] stand, SIX 2½ oz. [illegible] cups [illegible] 1 set [illegible] carton, 30 lbs.
1C1247 1 gal. keg set, 7 pcs. **$3.50**
1C1241 [illegible] gal. keg set, 7 pcs. **$3.95**

DECANTERS

1C1486—1 qt. 9 in. high, colonial pattern, finest quality full lead crystal, fancy stopper, 2 doz. in carton, 47 lbs.
Doz **$1.45**
5 doz. or more, Doz **$1.35**

1C1071 1 qt. 11 in. high, cased neck fancy stopper, full finish blown ware, 1 doz. in carton, 22 lbs.
Doz **$1.75**
5 doz. or more Doz **1.60**

GLASSWARE ASSORTMENTS

"STUPENDOUS VALUE" ASSORTMENT

"Stupendous Value" [illegible] pieces [illegible] crystal glass [illegible] open stock, pressed.
1 Doz. Each of the Following

[illegible] in. deep round berry bowl	[illegible] in. low covered butter
[illegible] high footed jelly compport.	4 [illegible] oz. tankard milk pitcher
Large [illegible] sugar	[illegible] in. [illegible] footed [illegible]
[illegible] [illegible] creamer	6 [illegible] dessert [illegible]
5½ [illegible] handled olive dish	6 [illegible] [illegible] jelly bowl
[illegible] [illegible] sugar	[illegible] [illegible] [illegible] high

1C1707— [illegible] crystal. Assid. 12 doz. in barrel, 180 lbs. Doz **$0.89**
1C1711— [illegible] Assid. [illegible] lbs. Doz **$1.08**

"PREMIER" GREEN ART GLASS ASSORTMENT

1C1278—"Premier," [illegible] floral spray pattern, pressed glass
½ Doz. Each of the Following

[illegible] in. [illegible] compport	[illegible] in. deep berry bowl
[illegible] [illegible]	[illegible] [illegible]
[illegible] [illegible] sugar	6½ [illegible] [illegible] jelly
[illegible] [illegible]	[illegible] [illegible]
5 [illegible] preserve jelly	[illegible] [illegible] bowl
6¾ [illegible] handled [illegible] dish	6 [illegible] bowl

Assid. 6 doz. in barrel
Doz **$1.75**

"DIAMOND BEAUTY" CRYSTAL ASSORTMENT

1C1724—"Diamond Beauty," [illegible] pressed crystal, fine quality brilliant diamond [illegible]
1 Doz. Each of the Following

7¾ in. deep round berry bowl.	3½ in. spoon holder
6½ " large covered butter.	5 " [illegible]
8½ [illegible] in. large covered sugar	[illegible] [illegible] [illegible] or butter dish.
[illegible] [illegible] [illegible] pitcher	[illegible] [illegible] jelly
[illegible] [illegible]	[illegible] [illegible] [illegible] dish
6½ " round handled olive dish.	6½ " fancy jug.

Assid. 12 doz. in barrel, 180 lbs. [illegible] Doz **92c**
(Total $11.04)

"BRILLIANT BEAUTY" CRYSTAL ASSORTMENT

1C1726—"Brilliant Beauty," 15 [illegible] pieces, finest quality, diamond and ribbon [illegible] open stock.
½ Doz. Each of the Following

[illegible] in. [illegible] tray	[illegible] in. [illegible] plate	Medium size [illegible]
[illegible] [illegible]	[illegible] [illegible] bowl	[illegible] [illegible] sugar
[illegible] [illegible] bowl	[illegible] [illegible] handled	[illegible] [illegible] creamer
[illegible] [illegible]	[illegible] [illegible]	Spoon [illegible]
[illegible] [illegible] bowl	[illegible] in. [illegible] honey dish	[illegible] [illegible]

Assid. 7½ doz. in barrel, 175 lbs.
Doz **$1.85**
Total $13.88

"GOLDEN GLOW" IRIDESCENT ASSORTMENT

Golden and Royal Iridescent

1 Doz. Each of the Following

7 in. tulip bonbon dishes.	
5½ " footed comports.	
6 " high footed crimped comports.	
7½ " crimped [illegible] vases	
8½ " flared [illegible] bowl	
6 " square [illegible] handled bonbons.	
7 " 5 [illegible] [illegible]	
7½ " crimped [illegible] dishes.	
8 " flared fancy [illegible]	
10 " fan [illegible] vases	
7½ " [illegible] compport	
6½ " high footed [illegible] comports	

2C2404—Beautifully [illegible] golden [illegible] and royal [illegible] iridescent pressed glass, floral fruit and fancy panelled designs.
Assid. 12 doz. in barrel, 122 lbs. [illegible] Doz **95c**
(Total $11.40)

"MARVELOUS" IRIDESCENT ASSORTMENT

Golden and Blue Iridescent

1C2418—"Marvelous," 12 different pieces, fine quality pressed glass body, golden and [illegible] iridescent flash, rich [illegible] floral leaf and fruit designs, fired colors.
½ Doz. Each of the Following

8½ in. crimped salad dish	9 in. crimped edge fruit bowl.
6 " double handled compartment nut [illegible] candy dish.	8 " 3 footed fancy bonbon
9 [illegible] [illegible] bowl	6½ " extra deep 3 footed bowl.
11½ " crimp flower vase	8 " crimped 3 footed fancy fruit bowl.
9 " double handled fancy bonbon.	12 " [illegible] [illegible] vase
8¼ " shadow footed salad dish.	8½ " deep footed fruit bowl.

Assid. 6 doz. in barrel, 90 lbs.
Doz **$2.10**
(Total $8.40)

COLORED GLASS SPECIALTIES

COLORED FRUIT BOWLS

1C2305—7 styles, ruffled edge and beaded edge, 9 in. diam., extra deep shape, allover rainbow iridescent colorings 6¾ in. jet base. 6 in bbl., 40 lbs. Each **95c**

1C2106—Asstd 5½ and 6¾ in. bowls, separate jet stands, black borders, asstd 3 orange 2 green, 1 canary. Asstd 1 doz. in wood case, 30 lbs. Doz **$3.95**

7 PIECE CAKE OR SALAD SET

1C1380—7 pieces, one 10½ in plate, six 7½ in salad or cake plates, best quality full finished glass, allover floral and diamond embossed, asstd amber and green. 6 sets in carton 35 lbs. SET (7 pcs) **95c**

VANITY SETS

1C1262—4 colors, asstd amber, green, blue and crystal, fine quality full finished optic glass, 4½ in. square colonial and ridged pattern, 2 fancy shape 5½ in. perfume bottles with drop stoppers and ground tops, 4½ in. round covered puff box. Asstd 6 sets in shipping carton, 25 lbs. Doz sets **$7.25**

1C1263—4 colors, amber, blue, green and amethyst, fine quality full finished optic glass, 4½ in. covered puff box and TWO 4½ in. perfume bottles with polished drop stoppers. Asstd. 1 doz. sets in pkg., 25 lbs. Doz sets **$7.95**

PERFUME BOTTLES

1C41 1C42

1C41—4½ in., blue satin etched finish, genuine hand painted natural color parrot and floral spray decoration, black line trim drop stopper. ½ doz. in carton Doz **$6.75**

1C42—5½ in. fancy shape, white satin etched finish genuine hand painted rainbow color [illegible] spray [illegible] stopper. ½ doz. in carton Doz **$6.75**

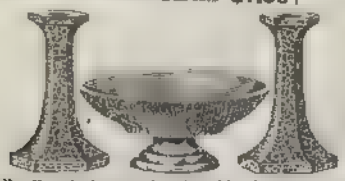
3 PIECE MAYONNAISE SET

1C1137—3 pieces, 5½ in. deep footed bowl 7½ in plate 5 in ladle best quality full finished glass, allover floral diamond embossed, asstd. amber and green. 1 doz. sets in carton. 30 lbs. Doz sets **$3.95**

3 PIECE CONSOLE SETS

1C1131—3 colors, asstd. amber, green and blue colors, fancy ivy pattern, 10 in. two light console bowl, two 7 in. candlesticks, asstd. ½ doz. sets in carton, 35 lbs. Doz sets **$7.50**

1C1187—3 colors, amber, teal green and crystal, 9½ in. deep footed bowl, 5½ in. candlesticks, all over pearl and flint one of each, asstd. ½ doz. sets in carton, 35 lbs. SET 3 pcs **72c**



"Dollar Wonder" asstd. deep footed bowl, two 7 in. candlesticks, embossed crackled effect allover golden iridescent finish glass bodies

1C2471—6 doz. sets in case, 35 lbs. Doz sets **$8.25**

1C2476—1 doz. sets in bbl., 65 lbs. " **7.95**

1C1135—5 piece set, 3 colors, 9½ in. rolled edge bowl, 4 low shape candlesticks, good glass, crystal [illegible] and jewel pairs, 3 asstd. large Macy green and amber. 6 sets in carton, 25 lbs. SET 5 pcs) **75c**

1C1264—3 piece set, 2 colors, golden and rose iridescent bowl of fine quality crackled effect glass, 4½ in. puff box with luster knob and TWO 5½ in. perfume bottles with [illegible] color atomizers, 6 sets in carton SET 3 pcs) **75c**

BUD VASES

3 Shapes—3 Colors

1C2465—3 shapes, 3 colors 10½ in. high, pure lead blown glass, satin etched, crimped tops, asstd. green, blue and canary. Asstd 1 doz. in carton, 20 lbs.

DOZ

$3.50

"QUICK SALE" COLORED GLASS ASSORTMENT

Ribbed pattern

Asstd. 6 each of the following:

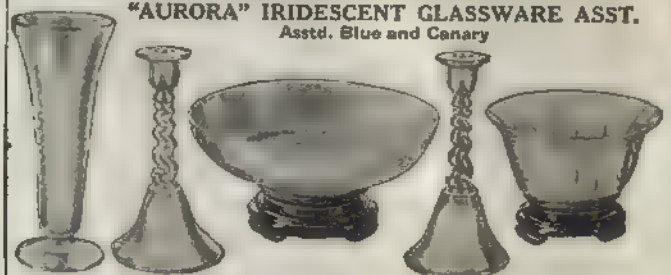
8 in. 3 footed deep salad.
6 [illegible] with ladle.
7½ [illegible] candy jar.
8½ in. footed flared vase.
6¼ in high footed comport.
6½ [illegible] footed bonbon box.
Asstd. 3 doz. in barrel, 85 lbs.

1C1303—Solid orange color, black borders. Doz **$3.95**

1C1302—Asstd. [illegible] and green transparent glass Doz **$3.95**

"AURORA" IRIDESCENT GLASSWARE ASSTD.

Asstd. Blue and Canary



1C1718—"Aurora," 12 different pieces satin and crackled finishes, rich blue and canary colorings with iridescent tints

One Each of the Following

Console set [illegible] in. orange bowl with base
[illegible] in. twisted wide base candlesticks
8 in. footed fruit bowl
10½ in. flare bowl
8½ in. deep [illegible] bowl
[illegible] in. high vase
9½ in. footed bowl
10¾ in. bowl.
8½ in. high fruit bowl
7½ in. vase and base.
9 in. centerpiece with base.

Asstd. 12 pcs. in barrel, about 65 lbs. Each **72c** (Total $8.64)

"FLORENTINE" COIN GOLD DECORATED ORANGE ART GLASS

Fine quality glass, allover rich orange color, 3/4 in. black border, satin gold floral and scroll decorations, double satin gold band, burnt in decorations, will not wash off. Each piece or set in carton. Made exclusively for Butler Brothers.

1C376—4 pc. console set, 9¼ in. deep bowl with 5½ in. separate jet base, two 8½ in. candlesticks. Each set in carton SET (4 pcs) **$3.25**

1C370—Candlestick, 10 in. high, base at base 4½ in. 1 pair in [illegible] Pair **$2.40**

1C385—Salad bowl, 9¾ in. extra deep round shape with fancy red edge. 1 in carton Each **$1.35**

1C394—Handled flower basket, diam. 6¾ in. extra deep, full 11 in. high. 1 in carton Each **$1.65**

1C386 — Handled sandwich tray, 10 in., round shape. 1 in carton Each **$1.60**

1C387—Cheese and cracker set, 10 in. round tray with separate 4½ in. footed comport. 1 set in carton. SET (4 pcs) **$1.75**

1C377—Footed fruit bowl, 10½ in. extra deep round shape. 1 in carton Each **$1.95**

1C325 — Mayonnaise or whipped cream set, 6 in. on roll edge, footed bowl, with ladle. 1 set (2 pcs) in carton. SET (3 pcs) **$1.35**

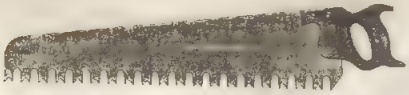
1C380—Covered candy jar, footed, diam. 6¾ in., fancy dome cover [illegible] in carton Each **$1.50**

1C389—Covered bonbon or puff box, 4¾ in. deep shape, footed. 1 in carton Each **$1.25**

1C393—Dahlia vase, 9 in. high, extra large footed cupped top. 1 in carton Each **$1.50**

1C391—Sweet pea vase, diam. 7¾ in., 8¾ in. high, [illegible] edge, [illegible] jet base. 1 in carton Each **$1.65**

HAND ICE SAWS



DISSTON

POLISHED EDGE BEECH HANDLE, LUMBERMEN'S TOOTH

No. 70—Length, Inches	26	28	30
Weight, Per Dozen, Lbs.	38	42	47
Per Dozen	$17.00	18.00	19.00

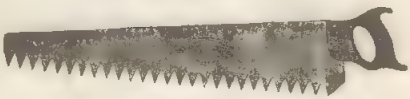
Sixth dozen in a box.

DISSTON

MALLEABLE IRON HANDLE, LUMBERMEN'S TOOTH

No. 72—Length, Inches	[illegible]	28	30
Weight, Per Dozen, Lbs.	46	50	54½
Per Dozen	$20.00	21.00	22.00

Sixth dozen in a box



KEYSTONE

PLAIN BEECH HANDLE PLAIN TOOTH

No. 74—Length, Inches	[illegible]	28	30
Weight, Per Dozen, Inches	23	27	32
Per Dozen	[illegible]	13.40	14.40

Sixth dozen in a box.

KEYSTONE

ROUND CAST IRON HANDLE, PLAIN TOOTH

No. 75—Length, Inches	28	28	30
Weight, Per Dozen, Lbs.	32	36	41
Per Dozen	[illegible]	15.40	16.40

Sixth dozen in a box.

BAND SAWS

Discount,

Discount,

Set, Sharpened, and Joined. Complete.

Inches Wide.	Gauge.	Per Foot.	Inches wide.	Gauge.	Per Foot.
3	18 to 20	$1 40	8	14 to 16	$3 80
3½	18 to 20	1 60	9	15 to 16	4.30
4	17 to 19	2.00	10	14 to 16	4.80
4½	17 to 19	2.20	11	14 to 16	5.40
5	17 to 19	2.40	12	13 to 15	6.00
5½	17 to 19	2.70	13	13 to 15	7.20
6	17 to 19	3.00	14	13 to 15	8.40
7	16 to 18	3.40	16	12 to 14	10.20

Silver Solder for Brazing Band Saws, $1.00 Net Per Ounce. When Ordering Band Saws, State Whether Right or Left Hand, Gauge or Thickness, Space, Depth and Shape of Teeth, Straight or Crowning Back. Tools, Blades and Swivel Prices on Finished Saws. Band Saw Blanks, Bright, of Any Width, Furnished to Order, but not Warranted.

Set and Filed. Not Joined.

Inches Wide.	Gauge.	Per Foot.	Net Prices for Joining, Each.
½	21 or 22	$0.13	$0.50
¾	21 or 22	14	.50
1	21 or 22	15	.50
1¼	21 or 22	.16	.60
1½	20 or 21	.18	.60
1¾	20 or 21	.20	.60
1	20 or 21	.22	.70
1½	20	.24	.70
1½	19 or 20	.26	.70
1⅝	19 or 20	.28	.80
1¾	19 or 20	.32	.80
1½	19	.38	.80

Band Saws for Metal, Add 50 Per Cent. to Above List.

MILL SAWS

Discount,

No. 1 Disston's Extra Tempered Cast Steel Patent Ground 8 Inches Wide Warranted.

Gauge No.	5	6	7	8	9	10
Per Foot	$5 60	5 00	4.40	4.00	3.90	3.40

Loose.

When Ordering Give Length, Width and Thickness or Gauge of Saw, Also Space from Point to Point of Teeth, and Distance from End of Saw to Point of First Tooth

POND ICE SAWS

Without Handles or Tillers.

List Plus

Tapered. Set and Sharpened. Warranted

✣No. 710—7 Inches at Butt. 5 Inches at Point. No. 10 Gauge					✣No. 711 -7 Inches at Butt 5 Inches at Point. No. 11 Gauge.				
Length, Ft	3	3½	4	4½	5	3	3½	4	4½	5
Each	$2.70	3.15	3.60	4.05	4.50	$2.55	2.95	3.40	3.85	4.25

Loose.

Each

✣No. T—Tiller or Handles Only..... $

Loose.

✣For shipment from factory only.

THE "JOSEPHINE" PATTERN

Josephine Candlestick
H5623. Butler gray finish
Each, $10.00
Height, 19½ inches

Josephine Coffee Set

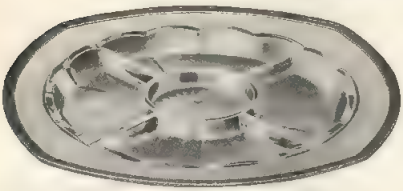
H5624.	Four pieces, butler gray finish	$64.00
H5625.	Coffee, Height 8¾ in.	26.86
H5626.	Sugar, gold lined, Height 5⅞ in	14.45
H5627.	Cream, gold lined, Height, 4½ in.	11.45
H5628.	Tray, Length 18 in	15.10

Josephine Tea and Coffee Set

H5629.	Six pieces, butler gray finish	$142.70
H5630.	Coffee, Height 9⅜ inches	28.50
H5631.	Tea, Height, 8¼ inches	27.00
H5632.	Sugar, Height, 5⅝ inches	17.70
H5633.	Cream, gold lined, Height, 5½ inches	12.50
H5634.	Waste, gold lined, Height, 5⅝ inches	10.00
H5635.	Waiter, 23 inch, butler gray finish	45.00

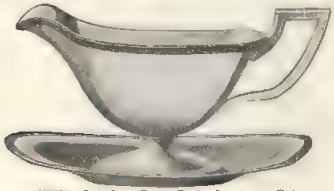
Quality Silver Plate

THE "JOSEPHINE" PATTERN



H5636. Josephine Relish and Chop Dish. Glass container. Butler gray finish. Diameter, 13⅜ inches. By removing container you have a serviceable chop dish **$21.90**

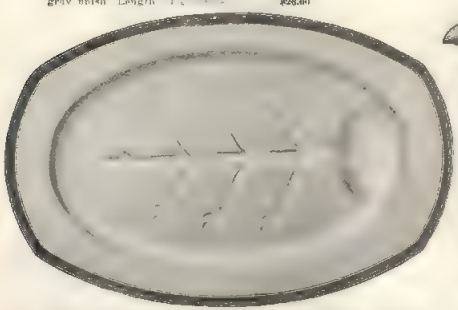
H5637. Josephine Bread and Butter Plate. Butler gray finish. Diameter, 6¼ inches **$4.50**



H5638. Josephine Sauce Boat. 8 ounces. Butler gray finish. **$17.20**

H5639. Josephine Double Vegetable Dish. Butler gray finish. Length [illegible] **$26.80**

H5640. Josephine Service Plate. Butler gray finish. Diameter, 11 inches **$11.20**



Josephine Well and Tree Platter

H5641. Butler gray finish, 16 in. **$10.20**
H5642. Butler gray finish, 18 in. **26.90**
H5643. Butler gray finish, 20 in. **35.90**

Josephine Meat Platter

H5644. Butler gray finish, 16 in. . **$15.50**
H5645. Butler gray finish, 18 in. . **20.80**
H5646. Butler gray finish, 20 in... **30.10**

Water Pitcher

H5647. Butler gray finish. Capacity, 4¾ pints **$23.50**

"Litho Plate"
BETTER THAN SLATE

EDUCATIONAL BLACKBOARDS

"More Than Just a Blackboard"

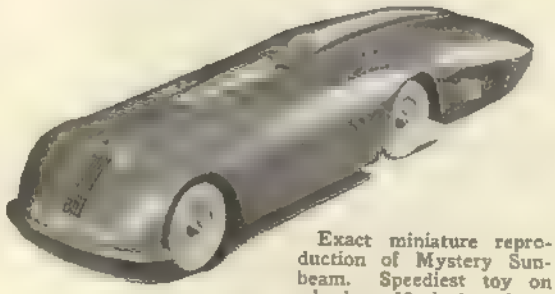
A National Campaign in Child Life, Junior Home and Children, advertising "Litho Plate" Educational Blackboards will make many discriminating buyers during the coming months.

Secure your share of these profits by having your stock of "Litho Plate" in the field early. Remember they are packed in Individual Cartons—and all over handling or repairing is eliminated

Plan NOW to Tie Up With Our National Campaign

Richmond School Furniture Co.
MUNCIE, INDIANA

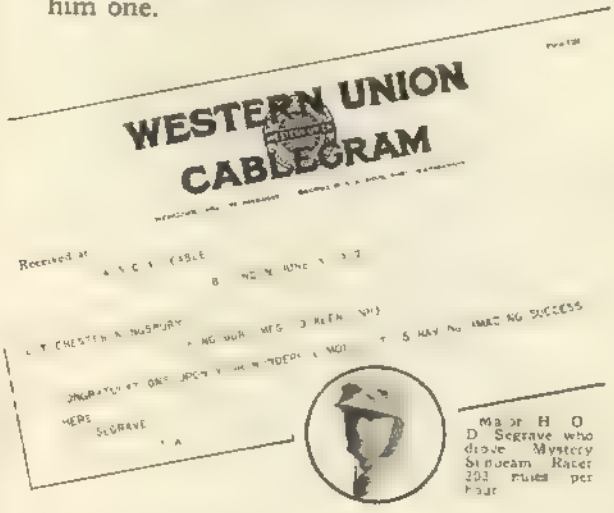
EVERY



Exact miniature reproduction of Mystery Sunbeam. Speediest toy on wheels. 19 inches long. We supply selling helps. Write for details of our proposition.

The Sunbeam

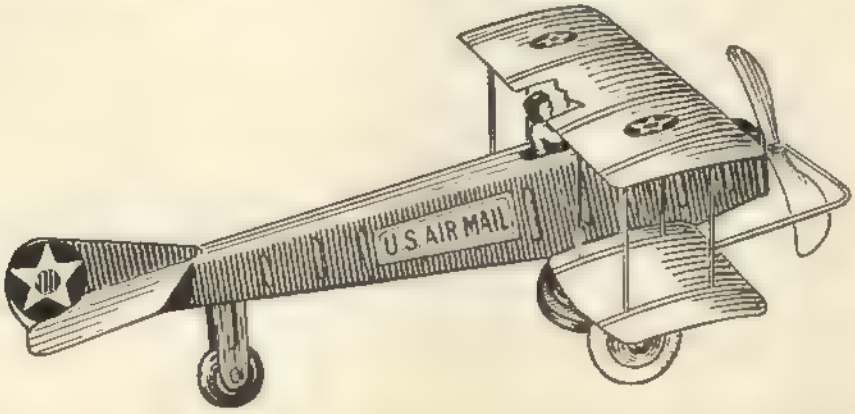
EVERY boy has longed to drive a racing car. Every boy has dreamed of being the popular idol of the speedway. Every boy makes these dreams come true in play. Every boy wants a Sunbeam. Sell him one.



We've prepared for you a handsome 11 x 14 display card, showing the Kingsbury Mystery Sunbeam in color. Will get the eye of every youngster and do half the selling job for you. You will want it for your window.

Kingsbury owns exclusive rights to reproduce the Sunbeam. Infringements will be prosecuted.

BOY WANTS



Kingsbury Taxiplane No. 766 Length, 15 in. Wing spread, 12 in. A lifelike U. S. mail plane, painted orange and blue. Equipped with strong motor. Write for details of our proposition.

and this Airplane

EVERY boy has dreamed of flying an airplane. Every boy has pictured himself in the U. S. air mail service. Every boy worships the heroes of the air who are making aviation history. Every boy delights to play at aviation and every boy wants an airplane like this.

COMING—The new motor-driven trans-Atlantic monoplane. Popular price. Write for complete information.

KINGSBURY MFG. COMPANY, KEENE, N. H.

New York Representative—Riemann-Seabrey, 215 Fourth Avenue

KINGSBURY

MOTOR DRIVEN TOYS

FIRE TOYS	TRACTORS	TAXIPLANES
BUSSES	TROLLEYS	COUPES
TRUCKS	DUMP CARTS	ROADSTERS

STYLES OF HALFTONES

Square with line

Silhouette top, square bottom

Square, no line.

Ellipse, no line

Vignette all around.

Ellipse with line

Circle with line.

Square with gray border

Circle, no line.

Lucy La Plante, Universal Star By permission of Theatre Magazine, New York.

STERLING ENGRAVING COMPANY·NEW·YORK

DEMONSTRATING THE VARIOUS STYLES OF FINISH

STYLES OF HALFTONES

Silhouette top, vignette bottom.

Arch top, square three sides.

Silhouette top hard vignette bottom

Square top and sides, hard vignette bottom

Ellipse, vignette all around.

Square top and sides, soft vignette bottom.

Square three sides, indented background.

Square with cut corners.

Square three sides half background

Laura La Plante, Universal Star By permission of Theatre Magazine, New York

STERLING·ENGRAVING·COMPANY·NEW·YORK

DEMONSTRATING THE VARIOUS STYLES OF FINISH

TUDOR PLATE

By the makers of Community Plate

The* MARY STUART *Design

Interpreting 16th Century decoration in the finest 20th Century manner, this new design is as beautiful and spirited as was the lovely Queen of Scots herself

Bright Butler Finish

25-Year Replacement Guarantee

SPOONS

Six in Box	Per Doz.
Tea	$ 4 16
Dessert	7 80
Table	8 32
Soup (Round Bowl)	8 32

FORKS—Six in Box

Dinner	8 32
Dessert	7 80

KNIFE AND FORK SETS

	Per Set
With Plated Blade Knives	
Embossed Handle Dinner Knives and Flat Forks	$ 8 86
Embossed Handle Dessert Knives and Flat Forks	8 46
Hollow Handle Dinner Knives and Flat Forks	16 04
Hollow Handle Dessert Knives and Flat Forks	15 14
With Stainless Blade Knives	
Embossed Handle Dinner Knives and Flat Forks	$12 60
Hollow Handle Dinner Knives and Flat Forks	17 38
Hollow Handle Dessert Knives and Flat Forks	16 40

KNIVES (*Plated Blades*)

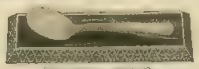
Six in Blue Lined Box	Per Doz.
Embossed Handle Dinner	$9 40
Embossed Handle Dessert	9 12
Embossed Handle Fruit	9 44
Hollow Handle Dinner	23 76
Hollow Handle Dessert	22 48

KNIVES (*Stainless Blades*)

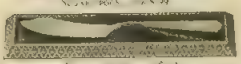
Embossed Handle Dinner	16 88
Hollow Handle Dinner	25 44
Hollow Handle Dessert	23 [illegible]

TUDOR PLATE

By the makers of Community Plate



Sugar Spoon, each $1.98



Butter Knife, each $3.43

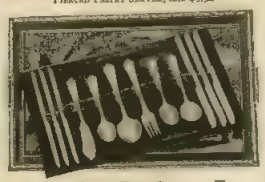
Butter Knife and Sugar Spoon, set $5.98

Salad Set, each $6.25

Iced Tea or Iced Drink Spoons, set $4.24

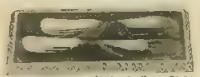
Serving or Gravy Ladle, each $1.96
Salad Dressing or Small Ladle, each $1.31
Medium Soup Ladle, each $5.23

Baby's Spoon, Bent Handle, each $.86
Baby's Spoon, Straight Handle, each $.86
Baby's Fork, each $.86
Baby's Set with Bent Handle Spoon, set $1.72
Baby's Set with Straight Handle Spoon, set $1.72
3-Piece Child's Set, Feay, set $2.60
Sugar Tongs, each $1.31
Jelly Server, each $1.31
Pierced Pastry Server, each $3.52

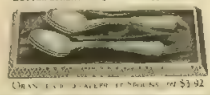


29 or 26-Piece Duo Service Tray

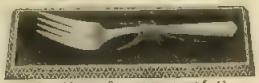
	Per Set
With Embossed Handle Plated Dinner Knives	$19.14
With Hollow Handle Plated Dinner Knives	26.32
With Hollow Handle Stainless Dinner Knives	27.66
With Embossed Handle Stainless Dinner Knives	22.88



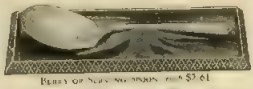
Butter Spreaders (Individual), set $5.54



Oran[illegible] Salad Servers, set $3.92



Cold Meat or Serving Fork, each $.63
Small Cold Meat or Sardine Fork, each $1.31



Pair of Nut Crackers, each $3.61

STAINLESS CARVING SET
2 Piece Hollow Handle, set $8.34

Pierced Round Server, each $2.61
Oyster or Seafood Forks, set $4.24
Bouillon or Consommé Spoons, set $4.56
Pickle or Olive Fork, each $1.31
After Dinner Coffee Spoons, set $2.60
5 O'Clock Tea or Sherbet Spoons, set $2.60
Jam Spoon, each $.98
Ice Cream or Sundae Spoons, set $3.92

26-Piece Free Chest

	Per Set
With Embossed Handle Plated Dinner Knives	$17.06
With Hollow Handle Plated Dinner Knives	24.24
With Hollow Handle Stainless Dinner Knives	25.58
With Embossed Handle Stainless Dinner Knives	20.80

The MARY STUART *Design*

Correct Service Pieces in Blue and Gold Gift Boxes

PORCH FURNITURE

OLD HICKORY

Made by hand of natural wood, in simple patterns; strong and durable, natural finish.

CHAIR

Seat 18x16 inches; height from seat to top of back 22 inches.

Each

No. 24—Tahitai golden peal cane seat $10 80

Two in bdle; shipping wt each 16 lbs.

ROCKER

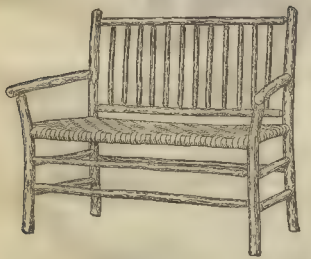
Seat 18x16 inches; height from seat to top of back 22 inches.

Each

No. 25—Tahitai golden peal cane seat $12 75

Two in bdle; shipping wt each 17 lbs.

SETTEE



Seat 38x16 inches; height from seat to top of back 18 inches.

Each

No. 110—Tahitai golden peal cane seat $24 00

One in bdle; shipping wt each 25 lbs.

PORCH FURNITURE

OLD HICKORY

CHAIR

Seat 16x17½ inches; height from seat to top of back 21 inches.

Each

No. 20—Tahitai golden peal cane seat $9 90

Two in bdle, set up; shipping wt each 17 lbs.

ROCKER

Seat 16x17½ inches; height from seat to top of back 21 inches.

Each

No. 21—Tahitai golden peal cane seat $12 00

Two in bdle, set up; shipping wt each 19 lbs.

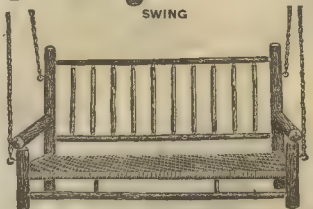
TABLE

Each

No. 198—Round oak top 30 ins in diam; height over all 30 ins $32 55

One in bdle; shipping wt each 16 lbs.

SWING



Seat 48x18 inches; height from seat to top of back 20 inches.

Each

No. 264—Tahitai golden peal cane seat $28 50

One in bdle; shipping wt each 30 lbs.

PORCH FURNITURE

OLD HICKORY

Made by hand of natural wood, in simple patterns; strong and durable, natural finish.

CHAIR

Seat 18x16 inches; height from seat to top of back 23 inches.

Each

No. 8—Tahitai golden peal cane seat and back $15 30

One in bdle; shipping wt each 16 lbs.

ROCKER

Seat 18x16 inches; height from seat to top of back 23 inches.

Each

No. 9—Tahitai golden peal cane seat and back $17 55

One in bdle; shipping wt each 18 lbs.

SETTEE

Seat 38x16 inches; height from seat to top of back 15 inches.

Each

No. 104—Tahitai golden peal cane seat and back $33 00

One in bdle; shipping wt each 25 lbs.

PORCH FURNITURE

OLD HICKORY

CHAIR

Seat 17x15 inches; height from seat to top of back 20 inches.

Each

No. 32—Tahitai golden peal cane seat and back $17 55

One in bdle; shipping wt each 18 lbs.

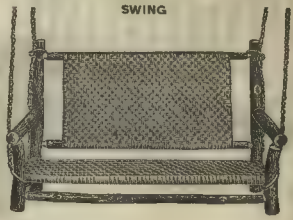
ROCKER

Seat 17x15 inches; height from seat to top of back 20 inches.

Each

No. 33 Tahitai golden peal cane seat and back $20 25

One in bdle; shipping wt each 18 lbs.



SWING

Seat 48x18 inches; height from seat to top of back 21 inches; complete with four 8 foot chains.

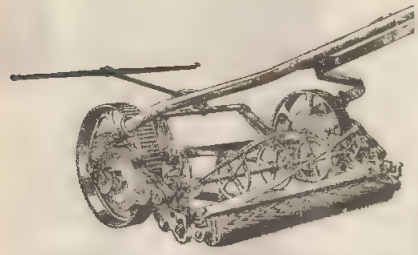
Each

No. 300-4—Tahitai golden peal cane seat and back. ... $37 50

One in bdle; shipping wt each 80 lbs.

PONY LAWN MOWERS

PENNSYLVANIA



Blades—Crucible Tool Steel, Oil Hardened and Water Tempered.
Wheel Base—Extreme Width, 35 inches.
Wheels—Broad Tread. 11 inches Diameter
Parts—Malleable and Cast, Accurately Machined to Insure Noiseless Service

This Machine Bridges the Space Between Our 21-inch Hand Mowers and the Regular Horse Sizes, Combining the Strength of the Latter with the Mobility of the Former, Making it Especially Useful on Large Lawns Where the Surface is Broken by Walks and Shrubbery, or is Too Hilly for a Regular Horse Mower. Can be Handled by Two Men Where a Horse is Not Available. The Four-Blade Machine is Fitted with the Enos Yielding, Self-Sharpening Lower Knife Double Train of Gears, Extra Heavy Blades and Large Cylinder, Fitting it For Use in High Grass. **The Six-Blade Machine** has the **Upturned Lower Knife,** Making it Unrivalled for Fine Lawns and Golf Greens

Fitted with Legs to Attach the Braun Grass Catcher. Will Cut to Within ¼ inch of Ground

FOUR-BLADE, 6¾-INCH CYLINDER

Width of Cut, Inches	25
Weight, Boxed, Including Handle, Pounds	150
List Price, Each	$100.00
Code Word	Pongo

SIX-BLADE, 6¾-INCH CYLINDER

Width of Cut, Inches	25
Weight, Boxed, Including Handle, Pounds	160
List Price, Each	$120.00
Code Word	Ponax

HORSE LAWN MOWERS (PENNSYLVANIA)

THE STANDARD

Blades—Crucible Tool Steel, Oil Hardened and Water Tempered.

Gears—Fitted with a Train of Gears, the Main Drum Shaft Running in Bronze Bushings. Easily Replaced in Case of Wear.

Extreme Width Over All—30-inch Cut, 37 inches.
38-inch Cut, 44 inches.

Rollers—Double, 11 inches diameter
30-inch Cut, 26 inches Wide
38-inch Cut, 34½ inches Wide

Parts—Malleable and Cast, Accurately Machined and Fitted

Bottom Knife—Self-Sharpening. Improved, Upturned Pattern. Crucible Tool Steel

Side Draft Attachment—Permits Horse Walking on Cut Grass. (See Illustration.)

FITTED WITH HANDLES AND DRAFT IRONS ONLY

7-Inch Cylinder. 30-Inch Cut

			List Price, Each		
No. 1—4 Blades. Code Word	Wt., Bxd., 360 Pounds	Pentago	$200.00	----	----
No. 2—6 Blades Code Word	Wt., Bxd 470 Pounds	Pentice	225.00	----	----

7-Inch Cylinder. 38-Inch Cut

			List Price, Each		
No. 4—4 Blades. Code Word	Wt., Bxd., 400 Pounds	Penumbra	$260.00	----	----
No. 5—6 Blades Code Word	Wt., Bxd., 410 Pounds	Pendulum	285.00	----	----

HANDLES, SHAFTS, SEAT AND FOOTBOARD
Complete Equipment, as Illustrated

7-Inch Cylinder. 30-Inch Cut

			List Price, Each		
No. 11—4 Blades. Code Word	Wt., Bxd., 400 Pounds	Pensmon	$240.00	----	----
No. 12—6 Blades Code Word	Wt., Bxd., 410 Pounds	Puritan	265.00	----	----

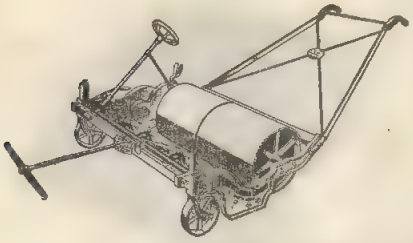
7-Inch Cylinder. 38-Inch Cut

			List Price, Each		
No. 14—4 Blades. Code Word	Wt., Bxd., 450 Pounds	Paustick	$3 0.00	----	----
No. 16—6 Blades Code Word	Wt., Bxd., 460 Pounds	Puncheon	325.00	----	----

Note.—Use Code Word When Ordering.

HORSE LAWN MOWERS

PENNSYLVANIA GRAND



Blades—Crucible Tool Steel, Oil Hardened and Water Tempered. Extra Wide.
Gears—Extra Large Fitted with Bronze Bushings. Easily Replaced in Case of Wear.
Extreme Width—30-inch Cut, 41 inches Over all.
Extreme Width—38-inch Cut, 49 inches Over all.
Double Rollers—15 inches in Diameter.
Parts—Malleable and Cast, Accurately Machined to Insure Noiseless Service.
Bottom Knife—Self-Sharpening. Raised Lip or Upturned Edge Style. Crucible Tool Steel.
Cylinder Adjustment—All Wear on Either Revolving or Stationary Knives is Taken Up By a Pair of Set Screws on The Top of the Cylinder Journal Boxes, Allowing the Cylinder to Drop on the Stationary Knife, Which is Rigidly Bolted and Remains Fixed in Place. The Cylinder Journals Run in Phosphor Bronze Boxes, and These Are Split So That All Wear Can be Taken Up by a Set Screw. The Journal Box is Floating or Self-Aligning.
Height of Cut—$\frac{1}{2}$ to 2$\frac{1}{2}$ inches.

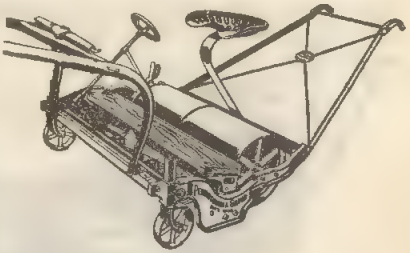
FITTED WITH HANDLES AND DRAFT IRONS ONLY

		15-Inch Rollers. 7½-Inch Cylinder. 30-Inch Cut	List Price, Each		
No. 101—4 Blades.	Weight, Boxed, 595 Pounds.	Code Word, Graduate	$200.00	----	----
No. 102—6 Blades.	Weight, Boxed, 605 Pounds.	Code Word, Graduation	225.00	----	----
		15-Inch Rollers. 7½-Inch Cylinder. 38-Inch Cut			
No. 104—4 Blades.	Weight, Boxed, 675 Pounds.	Code Word, Gymnast	$260.00	----	----
No. 105—6 Blades.	Weight, Boxed, 705 Pounds.	Code Word, Gymnasium	285.00	----	----

Note.—Use Code Word When Ordering.

Cutting Adjustment—The Wheel at the Right of the Driver's Seat Regulates the Height of Cut from $\frac{1}{2}$ to 2$\frac{1}{2}$ inches. The Operator, Without Leaving His Seat, Can Instantly Change From Low to High Cut, or an Intermediate One.

Note—The Two Pennsylvania Grand Mowers Shown Here are Alike, Excepting the Equipment. The Cut on Page 20 Illustrates the Machine Fitted with Handles and Draft Irons only. This Cut Shows the Machine with Complete Equipment.



HANDLES, SHAFTS, SEAT AND FOOTBOARD COMPLETE

		15-Inch Rollers. 7½-Inch Cylinder. 30-Inch Cut.	List Price, Each		
No. 111—4 Blades.	Weight, Boxed, 635 Pounds.	Code Word, Gondola	$240.00	----	----
No. 112—6 Blades.	Weight, Boxed, 645 Pounds.	Code Word, Gondolier	265.00	----	----
		15-Inch Rollers. 7½-Inch Cylinder. 38-Inch Cut.			
No. 114—4 Blades.	Weight, Boxed, 720 Pounds.	Code Word, Generate	$300.00	----	----
No. 115—6 Blades.	Weight, Boxed, 750 Pounds.	Code Word, Generation	325.00	----	----

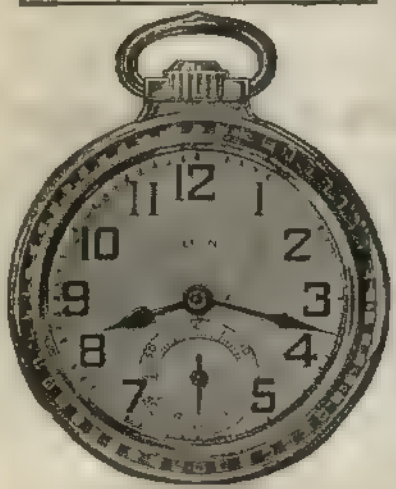
Note.—Use Code Word When Ordering.

High Grade Railroad Watches

16 Size

Will Pass Inspection on Any Railroad in United States, Canada and Mexico

Watches on this Page are Subject to Special Discount



R. W. Raymond, 21 Jeweled Elgin Movement, 8 adjustments (6 of them position) fine enamel dial with big clear figures, or Montgomery dial. Carefully timed and regulated in the case at the factory. 16 size, open face, 12, and 14k. gold filled quality case of extra heavy stock, special dust-proof pendant, heavy solid gold bow. A high grade thoroughly dependable railroad watch.

No. 9W225. 12k. Yellow Gold Filled.
Each, complete... **31.85**

No. 9W232. 14k. Green Gold Filled.
Each, complete... **35.30**

No. 9W233. 14k. White Gold Filled.
Each complete... **35.30**

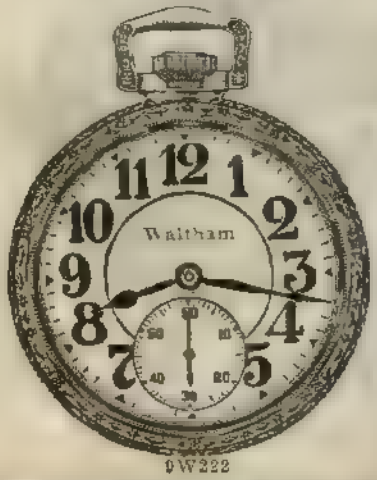
Sixty Hour

10K FILLED FURNISHED ONLY IN REGULAR GOLD

$60.00

Bunn Special Railroad Watch, high grade 10k. gold filled case, smooth back and bezel, dust-proof pendant. 21 jeweled Bunn special movement, adjusted to six positions, double sunk enameled dial or with Montgomery enameled dials without extra charge. Watch will run in excess of 40 hours on one winding. A high grade dependable, durable and an excellent timekeeper. One of the most popular railroad watches made.

No. 9W217. Each..... **32.50**



9W222

Waltham Crescent Street, 16 size, open face, 21 ruby and sapphire jewels, adjusted to temperature and 5 positions. Steel escape wheels. White enameled dials or with Montgomery numerals without extra charge. 10k. gold filled case specially designed, dust-proof pendant, bow and crown. Engraved border. Plain or fancy engraved back.
No. 9W222. Each, complete. **35.70**

Vanguard Fine Grade Railroad Watch, 16 size, adjusted to six positions with winding indicator. 23 fine ruby or sapphire jewels, Lossiere inner terminal hair spring double roller and steel escape wheels, with 10k. gold filled case, specially designed for railroad use with dust-proof pendant, bow and crown. Engraved border, plain or engraved back.
No. 9W230. Each, complete. **46.70**

As above, with 23 jewel Vanguard adjusted to 6 positions without winding indicator.
No. 9W231. Each, complete. **43.70**

9W230

High Grade Railroad Watches

Sixty Hour

14 K. FILLED — GREEN OR WHITE GOLD

$67.50

Bunn Special Railroad Watch, 21 extra quality, ruby and sapphire jewels, raised gold setting. Adjusted to six positions. Double sunk enamel dial or with Montgomery numeral dials. Fitted in 14 kt. gold filled case, specially designed for railroad service with dust-proof pendant.

No. 9W218. Green gold filled case. Each **38.00**

No. 9W219. White gold filled case. Each **38.00**

Will Pass Inspection on Any Railroad in United States, Canada, and Mexico

16 Size

Watches on this Page Are Subject to Special Discount

Bunn Special, Railroad Watch, 23 extra quality ruby and sapphire jewels. Adjusted to six positions, temperature and isochronism. Special rating and timing. Fitted complete in 10k gold filled case, specially designed for railroad use, dust-proof pendant, bow and crown, engraved border, plain or engraved back.

No. 9W226. Each complete **39.45**

9W224

Hueber Hampden, New Railway and Railroad Watch. 21 extra fine ruby and sapphire jewels in solid gold setting. Adjusted to 5 positions. White enameled dial. Fitted complete in 10k gold filled case, specially designed for railroad use and dust-proof pendant, bow and crown. Knurl bezel, plain back.

No. 9W224. Each, complete **34.01**

Illinois Sangamo, Special Railroad 60-Hour Watch. 23 extra quality ruby and sapphire jewels in gold setting, adjusted to 6 positions. Steel escape wheel, gold train. White enameled or Montgomery dials. Fitted in 14k gold filled, extra weight, screw back, hinge bezel case, specially designed for railroad service. Rated and timed at the factory

No. 9W221. 14k yellow gold filled Each, complete **50.00**

No. 9W234. 14k green gold filled. Each, complete..... **50.00**

No. 9W235. 14k white gold filled. Each, complete..... **50.00**

Sixty Hour

9W221

WM. ROGERS AND SON SILVER PLATED WARE
TRIUMPH DESIGN—Continued
Gray Finish

KNIVES

No. 50 Hollow Handle Medium Knives with Stainless Steel French Blades .....Per Dozen, **$26.20**
No. 80 Hollow Handle Medium Knives with Plated French Blades .....Per Dozen, **$23.40**
No. 41 Solid Handle Medium Knives with Stainless Steel French Blades .....Per Dozen, **$16.50**
No. 42 Solid Handle Medium Knives with Plated Blades .....Per Dozen, **$9.38**
One-Half Dozen in a Box

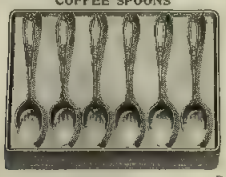
SOUP SPOONS

Soup Spoons .....Per Dozen, **$8.52**
One-Half Dozen in a Blue Lined Box

ORANGE SPOONS

Orange Spoons .....Per Dozen, **$6.88**
One Half Dozen in a Blue Lined Box

COFFEE SPOONS



Coffee Spoons .....Per Dozen, **$4.50**
One Half Dozen in a Blue Lined Box

KNIVES AND FORKS IN SETS

No. 702S Six each Hollow Handle Medium Knives with Stainless French Blades and Flat Handle Medium Forks.....Per Set, **$17.16**
No. 702 Six each Hollow Handle Medium Knives with Plated Scimiter Blades and Flat Handle Medium Forks....Per Set, **$15.70**
One Set in a Blue Lined Box

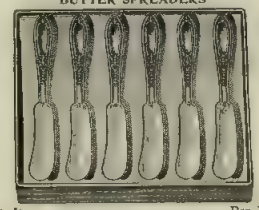
FORKS

Flat Handle Medium Forks .....Per Dozen, **$8.00**
Flat Handle Dessert Forks .....Per Dozen, **7.50**
One Dozen in a Box

FRUIT KNIVES

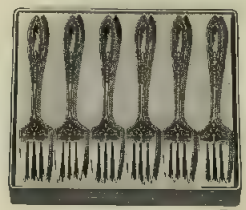
Fruit Knives, Solid Handle .....Per Dozen, **$7.64**
One-Half Dozen in a Blue Lined Box

BUTTER SPREADERS



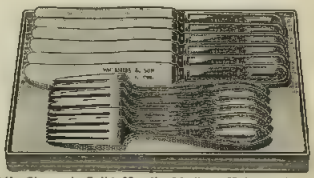
Butter Spreaders .....Per Dozen, **$10.00**
One-Half Dozen in a Blue Lined Box

SALAD FORKS



Salad Forks .....Per Dozen, **$11.00**
One-Half Dozen in a Blue Lined Box

KNIVES AND FORKS IN SETS



No. 500/4 Six each Solid Handle Medium Knives with Stainless French Blades and Flat Handle Medium Forks.....Per Set, **$12.24**
No. 500/9 Six each Solid Handle Medium Knives with Plated French Blades and Flat Handle Medium Forks.....Per Set, **$8.80**
One Set in a Blue Lined Box

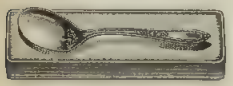
WM. ROGERS AND SON SILVER PLATED WARE

TRIUMPH DESIGN

Gray Finish

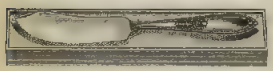
Heavy silver plate, with a reinforced plate in addition where the wear is the greatest. Finished by a process greatly increasing resistance to wear. All pieces wrapped in specially prepared paper which effectually prevents tarnishing in stock.

SUGAR SPOONS



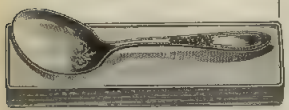
Sugar Spoons .....Per Dozen, **$10.08**
One-Twelfth Dozen in a Blue Lined Box

BUTTER KNIVES



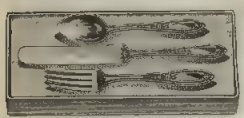
Butter Knives .....Per Dozen, **$10.56**
One Twelfth Dozen in a Blue Lined Box

BERRY SPOONS



Berry Spoons .....Per Dozen, **$27.60**
One-Twelfth Dozen in a Blue Lined Box

CHILD'S SETS



No. 1 Child's Set Flat Handle Knife, Fork and Spoon .....Per Set, **$2.30**
One Set in a Blue Lined Box

STEAK SETS

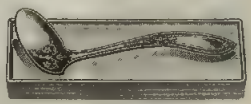
Solid Handle Knife, Stainless Steel Blade and Fork
No. 95 Steak Set, two piece..Per Set, **$5.00**
One Set in a Blue Lined Box

SPOONS

Tea Spoon is actual size.

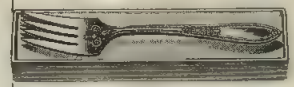
Tea Spoons .....Per Dozen, **$4.00**
Dessert or Oval Soup Spoons.. .....Per Dozen, **$7.50**
Table or Serving Spoons..Per Dozen, **8.00**
Soup Spoons (round bowl).Per Dozen, **8.00**
One Dozen in a Plain Box

GRAVY AND CREAM LADLES



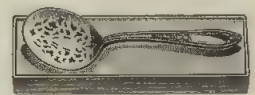
Gravy Ladle .....Per Dozen, **$21.12**
Cream Ladle .....Per Dozen, **15.12**
One-Twelfth Dozen in a Blue Lined Box

COLD MEAT FORKS



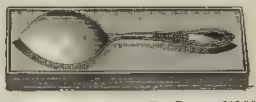
Cold Meat Forks .....Per Dozen, **$17.04**
One Twelfth Dozen in a Blue Lined Box

ROUND SERVERS



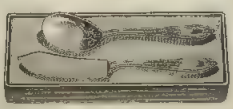
Round Server . . . Per Dozen, **$27.60**
One Twelfth Dozen in a Blue Lined Box

JELLY SERVERS



Jelly Server .....Per Dozen, **$18.96**
One-Twelfth Dozen in a Blue Lined Box

BUTTER KNIVES AND SUGAR SPOONS IN SETS



No. 133 Butter Knife and Sugar Spoon
.....Per Set, **$1.54**
One Set in a Blue Lined Box

WM. ROGERS & SON
SILVERPLATE

LA FRANCE
Grav Grosh

"Reinforced Plate"
or an Extra Deposit of Silver
where the Most Wear Comes

Guaranteed Without
Time Limit

SPOONS

	Doz.
Tea Spoons	$4 ..
Dessert Spoons	7.82
Table Spoons	8.34
In Blue Lined Boxes	
Baby Spoon, each	.74
Berry Spoon	3.40
Bouillon Spoons, set of six	4.56
Coffee Spoons	2.46
Ice Tea Spoons	4.00
Orange Spoons	3.12
Soup Spoons	4.44
Sugar Shell	.88

FORKS

	Doz.
Medium Forks	$8.24
Dessert Forks	6.82
In Blue Lined Boxes	
Cold Meat Fork, each	1.48
Oyster Forks, set of six	3.18
Pickle Fork, new Hand e, each	1.32
Salad Forks and Spread, set of six	5.74

KNIVES
In Blue Lined Boxes

Butter Spreaders, set of six	$2.2[illegible]
Butter Knife, each	.9[illegible]

LADLES
In Blue Lined Boxes

	Each
Cream Ladle	$1.32
Gravy Ladle	1.84
Soup Ladle, Medium	4.76

SERVERS
In Blue Lined Boxes

	Each
Cheese Server	.[illegible]4
Jelly Server	.[illegible]4
Pie Server, Hollow Handle	2.[illegible]
Roast Server	2.[illegible]

HOLLOW HANDLE CUTLERY

	Doz.
60 Med. Knives, Smooth Blades, Stainless	$27.[illegible]
61 Med. Knives, French Blades, Stainless	[illegible]
8[illegible] Knives, Hollow Handles, Plated	[illegible]
61 Dessert Knives, Smooth Blades, Stainless	[illegible]
61 Dessert Knives, Smooth Blades, Plated	13.[illegible]
62 Breakfast Knives, Smooth Blades, Plated	24.[illegible]

CARVING SETS

	Set
64 3-Piece Beef Carving, Stainless	$20.[illegible]
164 3-Piece Beef Carving, Plated	9.60
65 2-Piece Beef Carving, Stainless	9.[illegible]
165 2-Piece Beef Carving, Plated	5.44

SOLID HANDLE CUTLERY

	Doz.
41 Med. Knives, French Blades, Stainless	$ 7.20
1 Med. Knives, Smooth Blades, Stainless	6.[illegible]
61 Med. Knives, French Blades, Plated	16.00
Med. Knives, Smooth Blades, Plated	9.[illegible]
Tea Knives, Smooth Blades, Plated	9.52
Breakfast Knives, Smooth Blades, Plated	9.80
12 Fruit Knives, Plated	7.76
95 2-Piece Steak Set, Stainless, set	5.[illegible]

KNIFE AND FORK SETS

	Set
500/4 with No. 41 Medium Knives, French Blades, Stainless	$12.[illegible]
500/9 with No. 1 Medium Knives, French Blades, Plated	9.18
702F6 with No. 61 Medium Knives, French Blades, Stainless	11.88
703 with No. 60 Medium Knives, Smooth Blades, Plated	6.36
703 with No. 61 Dessert Knives, Smooth Blades, Plated	15.60

No. 12 Medium Knife
¾ actual size

Dessert Fork
Actual size

Dessert Spoon
Actual size

No. 50 Medium Knife
Stainless
¾ actual size

H6

INTERNATIONAL SILVER CO.

WM. ROGERS & SON
SILVERPLATE

Fancy Pieces are Packed as Shown in Blue Lined Boxes

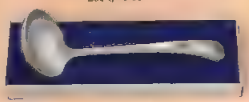
LA FRANCE
Gray Finish

Illustrations One Third Actual Size

Butter Knife, lined box
Each, $0.92

Sugar Shell, lined box
Each, $0.88

Cold Meat Fork, each, $1.48

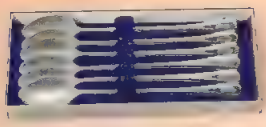


Gravy Ladle, each, $1.84
Cream Ladle, each, 1.32

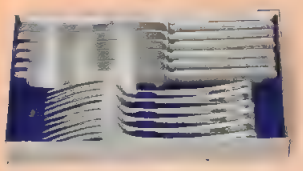
Berry Spoon, each $2.40

Round Server, each, $2.40

No. 1 Child's Set, $2.40



Ice Tea Spoons, set of six, $4.00



No. 500/4 Set, 6 No. 41 Medium Knives, Stainless, French Blades, and 6 Flat Forks, $12.76
No. 500/9 Set, 6 No. 91 Medium Knives, French Blades Plated, and 6 Medium Forks, $9.18

H. H. Pie Server, each, $4.[illegible]

Orange Spoons, set of six, $3.60

Butter Spreaders, set of six $5.22

Individual Salad Forks
Set of six, $5.74

TRIUMPH

Gray Finish

"Reinforced Plate" or an Extra Deposit of Silver where the Most Wear Comes

Guaranteed Without Time Limit

SPOONS	Doz.
Tea Spoons	$4.16
Dessert Spoons	7.87
Table Spoons	8.34
In Blue Lined Boxes	
Baby Spoon	each .74
Berry Spoon	.84
Bouillon Spoons	set of six 4.36
Coffee Spoons	2.36
Ice Tea Spoons	4.26
Orange Spoons	3.80
Soup Spoons	6.44
Sugar Shell	each .88

FORKS	Doz.
Medium Forks	$8.34
Dessert Forks	7.82
In Blue Lined Boxes	
Cold Meat Fork	each 1.48
Oyster Forks	set of six 3.78
Pickle Fork, long handle	each 1.32
Salad Forks, individual	set of six 5.74

KNIVES	
In Blue Lined Boxes	
Butter Spreaders	set of six 3.21
Butter Knife	each .92

LADLES	Each
In Blue Lined Boxes	
Cream Ladle	$ .32
Gravy Ladle	1.84
Soup Ladle, Medium	4.78

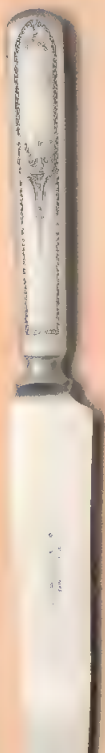
SERVERS	Each
In Blue Lined Boxes	
Cheese Server	5[illegible]
Fish Server	2.64
Jelly Server	1.84
Pie Server, Hollow Handle	4.78
Round Server	2.40

HOLLOW HANDLE CUTLERY	Doz.
53 Medium Knives, French Blades, Stainless	$17.42
83 Medium Knives, French Bl., Plated	14.40
84 Dessert Knives, French Bl., Plated	23.76
55 Breakfast Knives, French Blades, Stainless	27.10
85 Breakfast Knives, French Bl., Plated	24.20

CARVING SETS	Set
64 1-Piece Beef Carving, Stainless	$20.86
164 1-Piece Beef Carving, Plated	19.60
65 1-Piece Bird Carving, Stainless	9.18
165 1-Piece Bird Carving, Plated	8.44

SOLID HANDLE CUTLERY	Doz.
41 Medium Knives, French Blades, Stainless	$17.20
9 Medium Knives, French Bl., Plated	14.00
92 Dessert Knives, French Bl., Plated	9.80
93 Breakfast Knives, French Bl., Plated	9.90
12 Fruit Knives, Plated	7.56
95 2-Piece Steak Set, Stainless	each 3.25

KNIFE AND FORK SETS	Set
500/4 with No. 41 Medium Knives, French Blades, Stainless	$12.76
500/9 with No. 91 Medium Knives, French Blades, Plated	9.18
702FS with No. 53 Medium Knives, French Blades, Stainless	17.88
702F with No. 83 Medium Knives, French Blades, Plated	16.76
703F with No. 84 Dessert Knives, French Blades, Plated	15.80
705FS with No. 55 Breakfast Knives French Blades, Stainless	17.46



No. 91 Medium Knife
French Blade
½ actual size

Dessert Fork
Actual size

Dessert Spoon
Actual size

No. 53 Medium Knife
French Blade
Stainless
½ actual size

TRIUMPH

Gray Finish

Fancy Pieces are Packed as Shown in Blue Lined Gift Boxes

Illustrations One-Third Actual Size

Butter Knife, lined box
Each, $0.92

Sugar Shell, lined box
Each, $0.88

Cold Meat Fork, each, $1.48

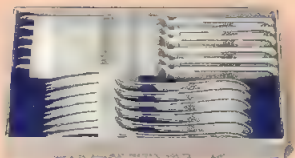
Gravy Ladle, each, $1.84
Cream Ladle, each, 1.32

Berry Spoon, each $2.40

Flat Server, each $2.64

Nurse, Child's Set, $2.40

Ice Tea Spoons, set of six $4.06

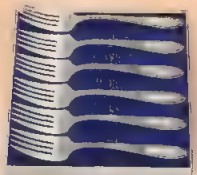


No. 500/4 Set, 6 No. 41 Medium Knives, ***Stainless*** French Blades, and 6 Flat Forks, $12.76
No. 500/9 Set, 6 No. 91 Medium Knives, French Blades Plated, and 6 Medium Forks, $9.18

No. 95 Steak Set, Solid Handle Steak Knife, ***Stainless*** 5½ inch Blade, and Solid Handle Fork, $5.22

Orange Spoons, set of six, $3.60

Butter Spreaders, set of six, $5.22



Individual Salad Forks
Set of six $5.74

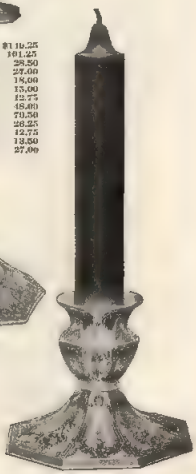
THE CLERMONT SERVICE

Chased, Butler; Silver Deposit on Copper

H5708.	Tea Set and Tray 6 pieces Complete	Price, $110.25
H5709.	Tea Set 5 pieces	Price, 101.25
H5710.	Coffee, height 9 inch capacity 2 pints	Price, 28.50
H5711	Tea height 7 inch capacity 2 pints	Price, 27.00
H5712.	Sugar, covered	Price, 18.00
H5713.	Cream, gold lined	Price, 13.00
H5714.	Waste, gold lined	Price, 12.75
H5715.	Tray 26 inch	Price, 48.00
H5716.	After-Dinner Coffee Set 4 Pcs Complete	Price, 70.50
H5717.	Coffee height 9 inch capacity 2 pints	Price, 28.25
H5718.	Sugar gold lined with handle	Price, 12.75
H5719.	Cream, gold lined	Price, 13.50
H5720.	Tray, length 16 inch	Price, 27.00

Vase, gold lined, height 16 inch.
H6231. Price $26.25

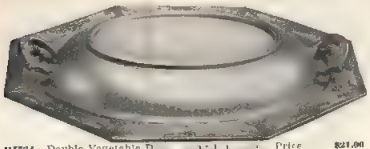
Centerpiece and Screen, height 8½ inch, diameter 13½ inch.
H5722. Price $50.25



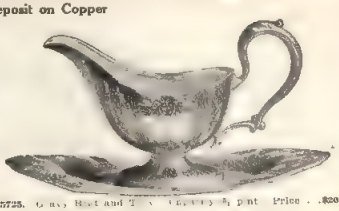
Candlestick, height 4½ inch with 4 inch candle.
H5723. Price, each . .$10.50

THE CLERMONT SERVICE

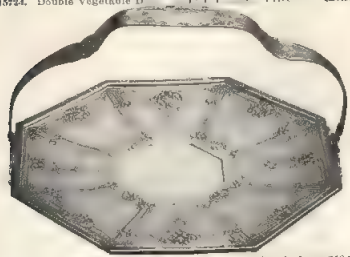
Chased, Butler; Silver Deposit on Copper



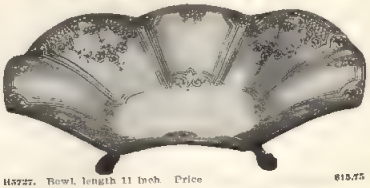
H5724. Double Vegetable D[illegible] Price $21.00



H5725. Gravy Boat and [illegible], pint Price . $20.25

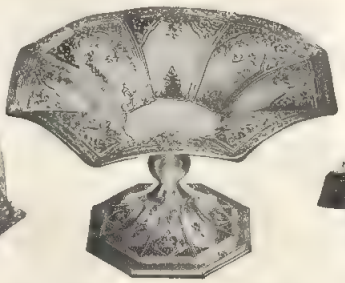


H5726. Sandwich Basket, 8½ inch handle, diameter 4 inch Price $18.00



H5727. Bowl, length 11 inch Price $15.75

H5728. Comport, height 6 inch, diameter 10½ inch Price $21.75



H5730. Bread Tray, length 12½ inch . $13.50

H5731. Basket gold [illegible] with silver plated screen, height 13 inch Price $27.00

H5729. Basket and Flower Holder, height 17 inch, gold lined Price $30.00

For Electrical Goods See Pages 452 to 464

THE SISTERS

Four-color process reproduction from the oil painting by the French artist, Bougereau

ENGRAVED BY WAYNE COLORPLATE COMPANY, DETROIT

THE SISTERS

Black and white reproduction (one printing) from full-colored original

ENGRAVED BY WAYNE COLORPLATE COMPANY, DETROIT

TUDOR PLATE

By the makers of Community Plate

The **DUCHESS** *Design*

The exquisite ornamentation which distinguishes the Duchess Design is Tudor art at its loveliest—art richly typical of that glorious Age of Pageantry."

Bright Butler Finish

25 YEAR REPLACEMENT GUARANTEE

SPOONS

Six in Box	Per Doz.
Tea	$ 4 16
Dessert	7 80
Table	8 32
Soup (Round Bowl)	8 32

FORKS Six in Box

Dinner	8 32
Dessert	7 80

KNIFE AND FORK SETS

	With Plated Blade Knives	Per Set
Embossed Handle	Dinner Knives and Flat Forks	$ 8 86
Embossed Handle	Dessert Knives and Flat Forks	8 46
Hollow Handle	Dinner Knives and Flat Forks	16 04
Hollow Handle	Dessert Knives and Flat Forks	15 14
	With Stainless Blade Knives	
Embossed Handle	Dinner Knives and Flat Forks	$12 60
Hollow Handle	Dinner Knives and Flat Forks	17 38
Hollow Handle	Dessert Knives and Flat Forks	16 40

KNIVES (*Plated Blades*)

Six in Box	Per Doz.
Embossed Handle Dinner	$9 40
Embossed Handle Dessert	9 12
Embossed Handle Fruit	9 44
Hollow Handle Dinner	23 16
Hollow Handle Dessert	22 48

KNIVES (*Stainless Blades*)

Embossed Handle Dinner	16 88
Hollow Handle Dinner	26 44
Hollow Handle Dessert	25 00

TUDOR PLATE

By the makers of Community Plate

Butter Knife, *each* $ 99
Butter Knife and Sugar Spoon, *set* $1 98

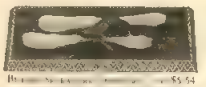
Cold Meat or Serving Fork, *each* $ 63

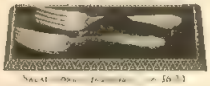
Serving or Gravy Ladle, *each* $1 96
Salad Dressing or Small Ladle, *each* $ 31
Medium Soup Ladle, *each* $3 21

Baby's Spoon, Bent Handle, *each* $ 86
Baby's Spoon, Straight Handle, *each* $ 86
Baby's Fork, *each* $ 86
Baby's Set with Bent Handle Spoon, *set* $1 72
Baby's Set with Straight Handle Spoon, *set* $1 72
3-Piece Child's Set, Flat, *set* $2 60
Sugar Tongs, *each* $1 31
Jelly Server, *each* $1 31
Pierced Pastry Server, *each* $3 52

29 or 26-Piece Duo Service Tray

	Per Set
With Embossed Handle Plated Dinner Knives	$ 9 14
With Hollow Handle Plated Dinner Knives	26 32
With Hollow Handle Stainless Dinner Knives	27 66
With Embossed Handle Stainless Dinner Knives	22 88





STAINLESS CARVING SET
2 Piece Hollow Handle, *set* $8 34

Pierced Round Server, *each* $2 61
Oyster or Seafood Fork, *set* $4 24
Bouillon or Consomme Spoons, *set* $4 56
Pickle or Olive Fork, *each* $1 31
After Dinner Coffee Spoons, *set* $2 60
5 O'Clock Tea or Sherbet Spoons, *set* $2 60
Jam Spoon, *each* $ 98
Ice Cream or Sundae Spoons, *set* $3 92

26 Piece Free Chest

	Per Set
With Embossed Handle Plated Dinner Knives	$17 06
With Hollow Handle Plated Dinner Knives	4 34
With Hollow Handle Stainless Dinner Knives	25 58
With Embossed Handle Stainless Dinner Knives	20 80

The DUCHESS *Design*

Carver, Server, Pieces in Bone and Cold Cut Box.

TUDOR PLATE

By the makers of Community Plate

The **DUCHESS** *Design*

The exquisite ornamentation which distinguishes the Duchess Design is Tudor art at its loveliest—art richly typical of that glorious 'Age of Pageantry.

Bright Butler Finish

25 Year Replacement Guarantee

SPOONS

Six in Box	Per Doz.
Tea	$ 4 16
Dessert	7 80
Table	8 32
Soup (Round Bowl)	8 32

FORKS—Six in Box

Dinner	8 32
Dessert	7 80

KNIFE AND FORK SETS

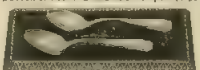
With Plated Blade Knives	*Per Set*
Embossed Handle Dinner Knives and Flat Forks	$ 8 86
Embossed Handle Dessert Knives and Flat Forks	8 46
Hollow Handle Dinner Knives and Flat Forks	16 04
Hollow Handle Dessert Knives and Flat Forks	15 14
With Stainless Blade Knives	
Embossed Handle Dinner Knives and Flat Forks	$12 60
Hollow Handle Dinner Knives and Flat Forks	17 38
Hollow Handle Dessert Knives and Flat Forks	16 40

KNIVES *Plated Blades* Six in Blue Lined Box	Per Doz.
Embossed Handle Dinner	$9 40
Embossed Handle Dessert	9 12
Embossed Handle Fruit	9 44
Hollow Handle Dinner	23 76
Hollow Handle Dessert	22 48
KNIVES (*Stainless Blades*)	
Embossed Handle Dinner	16 88
Hollow Handle Dinner	26 84
Hollow Handle Dessert	25 00

TUDOR PLATE

By the makers of Community Plate

Butter Knife, *each* $ 99
Butter Knife and Sugar Spoon, *set* $1 98



Cream Ladle, *each* $3 92

Cold Meat or Serving Fork, *each* $ 63

Serving or Gravy Ladle, *each* $1 96
Salad Dressing or Small Ladle, *each* $1 31
Medium Soup Ladle, *each* $3 21

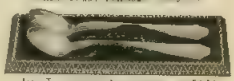
Baby's Spoon, Bent Handle, *each* $.86
Baby's Spoon, Straight Handle, *each* $.86
Baby's Fork, *each* $ 86
Baby's Set with Bent Handle Spoon, *set* $1 72
Baby's Set with Straight Handle Spoon, *set* $1 72
3-Piece Child's Set, Flat, *set* $2.60
Sugar Tongs, *each* $1 31
Jelly Server, *each* $1 31
Pierced Pastry Server, *each* $3.52

29 or 26-Piece Duo Service Tray

	Per Set
With Embossed Handle Plated Dinner Knives	$19.14
With Hollow Handle Plated Dinner Knives	26 32
With Hollow Handle Stainless Dinner Knives	27 66
With Embossed Handle Stainless Dinner Knives	22 88

Butter Knife, *each* $5 94

Salad Forks, *each* $6 7



Ice Tea Spoon, *each* $4 24

Serving Spoon, *each* $5 94

Stainless Carving Set

2 Piece Hollow Handle, *set* $8 34

Pierced Round Server, *each* $2 61
Oyster or Seafood Fork, *set* $4 24
Bouillon or Consommé Spoons, *set* $4 56
Pickle or Olive Fork, *each* $1 31
After Dinner Coffee Spoons, *set* $2.60
5 O'Clock Tea or Sherbet Spoons, *set* $2.60
Jam Spoon, *each* $ 98
Ice Cream or Sundae Spoons, *set* $3 92

26-Piece Free Chest

	Per Set
With Embossed Handle Plated Dinner Knives	$17 06
With Hollow Handle Plated Dinner Knives	24 24
With Hollow Handle Stainless Dinner Knives	25 58
With Embossed Handle Stainless Dinner Knives	20 60

The DUCHESS *Design*

Correct Service Pieces in Blue and Gold Gift Boxes

TUDOR PLATE

By the makers of Community Plate

The **MARY STUART** *Design*

Interpreting 16th Century decoration in the most 20th Century manner, this new design is as beautiful and spirited as was the lovely Queen of Scots herself.

Bright Butler Finish

25-Year Replacement Guarantee

SPOONS

Six in Box	Per Doz.
Tea	$ 4 16
Dessert	7 80
Table	8 32
Soup (Round Bowl)	8 32

FORKS—Six in Box

Dinner	8 32
Dessert	7 80

KNIFE AND FORK SETS

With Plated Blade Knives	Per Set
Embossed Handle Dinner Knives and Flat Forks	$ 8 86
Embossed Handle Dessert Knives and Flat Forks	8 46
Hollow Handle Dinner Knives and Flat Forks	16 04
Hollow Handle Dessert Knives and Flat Forks	15 14
With Stainless Blade Knives	
Embossed Handle Dinner Knives and Flat Forks	$12 60
Hollow Handle Dinner Knives and Flat Forks	17 38
Hollow Handle Dessert Knives and Flat Forks	16 40

KNIVES (*Plated Blade*)

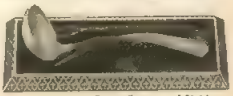
Six in Black Linen Box	Per Doz.
Embossed Handle Dinner	$9 40
Embossed Handle Dessert	9 12
Embossed Handle Fruit	9 44
Hollow Handle Dinner	23 76
Hollow Handle Dessert	22 48
KNIVES (*Stainless Blades*)	
Embossed Handle Dinner	16 88
Hollow Handle Dinner	26 44
Hollow Handle Dessert	25 20

TUDOR PLATE

By the makers of Community Plate

Butter Knife, *each* $ 99
Butter Knife and Sugar Spoon, *set* $1 98

Iced Tea or Iced Drink Spoons, *set* $4 24

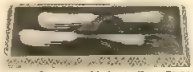


Serving or Gravy Ladle, *each* $1 96
Salad Dressing or Small Ladle, *each* $1.31
Medium Soup Ladle, *each* $3 21

Baby's Spoon, Bent Handle, *each* $ 86
Baby's Spoon, Straight Handle, *each* $ 86
Baby's Fork, *each* $ 86
Baby's Set with Bent Handle Spoon, *set* $1 72
Baby's Set with Straight Handle Spoon, *set* $1 72
3-Piece Child's Set, Flat, *set* $2.60
Sugar Tongs, *each* $1.31
Jelly Server, *each* $1 31
Pierced Pastry Server, *each* $3.52

29 or 26-Piece Duo Service Tray

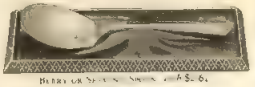
	Per Set
With Embossed Handle Plated Dinner Knives	$19.14
With Hollow Handle Plated Dinner Knives	26 32
With Hollow Handle Stainless Dinner Knives	27 66
With Embossed Handle Stainless Dinner Knives	22 88



Butter Spreaders (*Individual*), *set* $3 54

Orange or [illegible] Spoons, *set* $3 92

Cold Meat or Serving Fork, *each* $1 63
Small Cold Meat or Sardine Fork, *each* $1 31



Berry or [illegible] Spoons, *each* $2.64

Stainless Carving Set
2 Piece Hollow Handle, *set* $8 34

Pierced Round Server, *each* $2 61
Oyster or Seafood Forks, *set* $4 24
Bouillon or Consommé Spoons, *set* $4.56
Pickle or Olive Fork, *each* $1 31
After Dinner Coffee Spoons, *set* $2 60
5 O Clock Tea or Sherbet Spoons, *set* $2.60
Jam Spoon, *each* $ 98
Ice Cream or Sundae Spoons, *set* $3.92

26-Piece Free Chest

	Per Set
With Embossed Handle Plated Dinner Knives	$17 06
With Hollow Handle Plated Dinner Knives	24 24
With Hollow Handle Stainless Dinner Knives	25 58
With Embossed Handle Stainless Dinner Knives	20 80

The MARY STUART *Design*

Correct Service Pieces in Blue and Gold Gift Boxes

MINERS' CAPS

White duck, lined, duck covered peak, tin and hard fibre lamp holder.

Nos.	D60D	D61D	D63D
Sizes	6⅞	6⅞	7
W't doz. lbs.	3	3	3
Per dozen	$4.45	4.45	4.45

Nos.	D64D	D65D
Sizes	7⅛	7⅛
W't doz. lbs.	3	3
Per dozen	$4.45	4.45

No. D62D—Assorted sizes in a box as follows—one 6⅞, two 6⅞, three 7, three 7⅛, two 7⅛, one 7⅜, w't per doz. about 3 lbs., per dozen $4.45

ONE DOZEN IN A BOX

REPAIR PARTS FOR CARBIDE LAMPS

RUBBER GASKETS

No. D60 Square edge, per dozen $0.45

FELT PACKING

No. D62— Per dozen ..$0.35

FELT HOLDER

No. D64— Per dozen ..$0.75

BURNER TIPS

No. D28—Jewel, shell made of brass with imported lava burner insert, per dozen ..$0.55

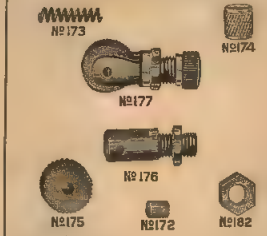
No. D66—Lava tip with air holes.....per dozen $0.35

REPAIRS FOR CARBIDE LAMPS

EXTRA BOTTOMS

No. D965—Polished brass, for all cap lamps..... ..per dozen $4.45

LIGHTER PARTS



No. D172—Flints ...per dozen $0.45
No. D173—Springs, per dozen .35
No. D174—Caps ....per dozen .75
No. D175—Wheels, per dozen .75
No. D176—Fork and Nut, per dozen $0.90
No. D182—Hexagon Nut, per dozen $0.35
No. D177—Lighter complete, per dozen $1.65

WIRE TIP CLEANERS

No. D37—50 hard, rust-proof steel wires, sliding cover protects wires when not in use. .per dozen $0.65

No. D22—Wire....per dozen $0.75

TIP REAMERS

No. D145—One dozen in a metal tube.....per dozen $0.55
No. D150—Empty tubes, per dozen $0.65

REPAIRS FOR CARBIDE LAMPS

CARBIDE FLASKS

No. D23—Heavy tin, oval shape, knurled screw cap, 6¾×2×3 in., per dozen $2.75

POCKET CARBIDE LAMPS

Heavy tin, concave.

No. D76—7 oz., per dozen $2.20
No. D77—10 oz., per dozen $2.20

FLAME PROTECTORS

Fit over burner tip and protects flame against wind and rain.

No. D170—For lamps D85, D407, D417, D100 and D95 lamps, per dozen $1.65

No. D171—For Nos. D661 and D676 lamps, per dozen $1.65

WATERPROOF MATCH BOX

No. D75—Round, seamless, brass, nickel plated, 1⅞×2⅝ in.....per dozen $1.65

REFLECTORS

Brass with lighter attachment, to fit Victor and Guy's Dropper Lamps, equipped with knurled nut.

No. D200—2⅜ in., per dozen $4.45
No. D201—3 in., per dozen $4.45

WINGED NUTS

No. D197—Brass, to fasten reflectors on Just-rite and Victor lamps, per dozen $1.00

JUSTRITE MINERS' CARBIDE LAMPS

Brass finish, burning capacity 2½ hrs., w't 5 oz., charge 2 oz. carbide, height 3⅜ in., diam. of bottom 2 in., 16.7 candle power.

Round Hook, 2½ in. reflector.

No. D407—Lamp only..doz. $20.00
No. D85—Lamp with No. 77 carbide can.....per dozen $22.20

POLYGON FEED

Saucer-shaped reflector, 3 in. in diameter.

No. D767—Polished Brass, lamp only.....per dozen $21.10
No. D769—Polished nickel, lamp only.....per dozen $24.45
No. D717—Polished brass, lamp with flat hook and 2½ in. reflector, per dozen $18.00

POLYGON FEED LAMP

A flat hook cap lamp which is used in metal mines. Polished brass with 3 in. reflector. Burns 2½ hours. 2 oz. carbide. 16.7 candle power.

No. D777—Polished brass lamp, per dozen $19.00
No. D779—Polished nickel plated lamp.....per dozen $22.00
ABOVE, ONE DOZEN IN A CARTON. W'T 6 LBS.

VICTOR CAP LAMPS

Miners preferring an "upright" or "vertical" style lamp will find the Victor equipped with a dependable water feed, a reflector rigidly attached to lamp not easily bent, broken or lost.

Brass, round hook, 2⅜ in. reflector.

No. D661—Lamp only, w't per doz. 6 lbs..... per dozen $20.00

ONE DOZEN IN A CARTON

Brass, flat hook, 3 in. reflector.

No. D676—Lamp only, w't per doz. 6 lbs.....per dozen $21.10

ONE DOZEN IN A CARTON

JUSTRITE SUPERINTENDENTS' LAMPS

Brass, heavily nickel plated, 18 C. P. with folding handle and lighter attachment, equipped with flame protector, carbide can included with lamp. Also for hunting, fishing, camping.

No. D100—2½ in. reflector, burns **3 hours,** w't per doz. 9 lbs., per dozen $30.00

No. D95—3 in. reflector, burns **4 hrs.,** w't per doz. 8 lbs., per dozen $40.00

JUSTRITE INSPECTORS' AND GENERAL UTILITY LAMP

Large 7 in. reflector, nickel plated. Self lighter attachment. Throws large volume of light about 400 ft. Hunters, campers, farmers also find this lamp very useful. Burns 4 hours. Charge 4 oz. carbide.

No. D39A—Nickel plated lamp, per dozen $50.00

GUY'S DROPPER MINE LAMPS

No. D22SL.

Brass lamp, bright finish. Polished brass reflector fastened to lamp with lock nut screw on burner tube, strongly reinforced on back to protect from accident. Intended for use in rooms or entries with high roofs

No. D22SL—2⅜ in. reflector, **round** hook, hexagon bottom, per dozen $20 55
No. D422SL—2⅜ in. reflector, **flat** hook, hexagon bottom, per dozen $20.55
No. D423SL—3 in. reflector, **flat** hook, hexagon bottom, per dozen $21.10

AUTO-LITE MINE LAMPS

Improved water dropper, which does not clog and requires no cleaning. Equipped with self-lighter. Light in weight but strong and durable.

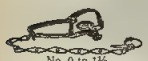
Burning capacity 3½ hours. W't 6 lbs.

No. D11—Polished brass, per dozen $20.00
ONE IN A BOX. ONE DOZEN IN A CARTON. THREE DOZEN IN A SHIPPING CARTON.

STEEL GAME TRAPS WITH CHAINS

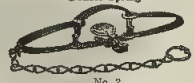
VICTOR

Single Spring



No. 0 to 1½

Double Spring



No 2

The spring is made from specific analysis steel. The fitting between the pan and the dog allows a very delicate adjustment and the hump cross prevents freezing in cold weather. Chain is of stiff steel wire.

No.	0	1	1½	2
Style of Spring.	Single	Single	Single	Double
For Catching:	Rat, Gopher Weasel	Muskrat, Skunk Opossum	Mink, Raccoon Skunk, Muskrat	Fox, Raccoon, Fisher
Spread of Jaws, Inches	3½	4	4⅝	4⅝
Diameter of Pan, Inches	1⅜	1⅝	2⅛	2⅛
Length of Trap, Inches	6⅞	8⅛	9⅝	14⅝
Length of Chain, Inches	10½	18½	19⅝	19⅝
Weight per Dozen, Lbs.	4½	7¾	11⅝	33⅝
Per Dozen	$2.50	3.00	5.00	7.00

No. 0, 55 Dozen; No. 1, 40 Dozen; No. 1½, 25 Dozen; No. 2, 16 Dozen in a Barrel

ONEIDA JUMP

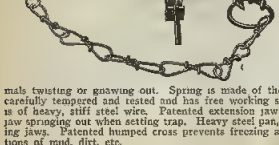
Single Spring

Designed especially for use in small holes and where the trapper must carry a large number of traps. The springs are made of a scientifically tempered steel especially adapted to this purpose and operate entirely within the jaws. The upper and lower springs are interlocked at the ends, giving the greatest possible length of leverage. The patented hump cross is used on this trap. This brings the setting device up out of the mud and prevents freezing in severe winter weather. Chain is of stiff steel wire.

No.	0	1	1½	2
For Catching:	Rat, Gopher Weasel	Muskrat, Skunk Opossum	Mink, Raccoon Skunk, Muskrat	Fox, Raccoon, Fisher
Spread of Jaws, Inches	4	4⅝	5¾	5½
Diameter of Pan, Inches	1½	2⅛	2¼	2⅝
Length of Trap, Inches	6¾	8½	8½	7⅝
Length of Chain, Inches	10½	18½	19¾	19¾
Weight per Dozen, Lbs.	5½	7¾	9½	14¼
Per Dozen	$3.50	4.00	6.00	9.00

No. 0, 1 and 1½, One Dozen in a Carton; 12 Dozen in a Case, No. 2, 20 Dozen in a Barrel

VICTOR DOUBLE GRIP



Single Spring

Is an all-around game trap, but particularly adapted to catching mink, skunks and muskrats. The high-catching double-faced jaws eliminate losses through animals twisting or gnawing out. Spring is made of the finest steel, carefully tempered and tested and has free working swivel. Chain is of heavy, stiff steel wire. Patented extension jaw lug prevents jaw springing out when setting trap. Heavy steel pan, wide spreading jaws. Patented humped cross prevents freezing and accumulations of mud, dirt, etc.

No. 91 Spread of jaws, 4¾ inches, diameter of pan, 2⅛ inches, length of trap, 8 inches; length of chain, 18¼ inches. Weight per dozen, 8½ lbs. .....Per Dozen, $6.00

3⅓ Dozen in a Barrel.

CORKS

TAPERED

XX Quality, 100 in a Bag

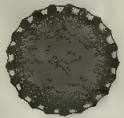
No.		Fits	Diam. Across Top, In.	Length of Cork, In.	Per Hundred
5		½ Pint Bottles	⅝	⅞	$0.50
7	1	Pint Bottles	⅞	1	.60
9	1	Quart Bottles	1⅛	1⅜	.80
12		½ Gallon Jugs	1⅜	1¾	1.00
14	1	Gallon Jugs	1⅝	1¾	1.30
16	2	Gallon Jugs	1⅝	1½	1.50
18	3	Gallon Jugs	1½	1¾	1.70
20	5	Gallon Jugs	1⅝	1½	2.00

XX Quality, 500 in a Bag

No.		Fits	Diameter Across Top, Inches	Length Inches	Per Thousand
5XX		½ Pint Bottles	¾	⅞	$3.25
7XX	1	Pint Bottles	⅞	1	3.75
9XX	1	Quart Bottles	1⅛	1⅜	5.50

BOTTLE CAPS

H. H. B.



Full Size Cuts

Double lacquered tin, cork lined. Diameter, 1¾ inches.

No. 25 Packed 1 gross in a carton.....Per Gross, $0.50
No. 50 Packed 50 gross in a carton... . .. Per Gross, .40

CORK SCREWS

Norway forged steel screw, tempered and nickel plated. Maple handle.

No. 6147 Length overall, 6 inches . Per Dozen, $3.50

Tempered crucible steel screw, nickel plated, maple handle; for waiters' use. Draws corks, lifts seals, removes crowns and breaks wires.

No. 6152 Length overall, 3¾ inches..... ... .Per Dozen, $7.00

Tempered crucible steel screw, nickel plated, rosewood handle. Combined cork extractor, crown opener, seal lifter, and wire breaker. Will remove all style stoppers.

No. 1642 Length overall, 6¼ inches..... .. . .Per Dozen, $13.00

One Dozen in a Box

CORK SCREW AND BOTTLE OPENER

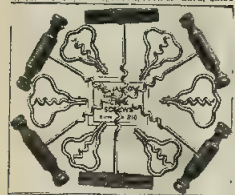
Pulls corks, removes crowns and lifts seals. Polished metal handle. Steel wire screw protected by a wooden shield.

No. 4D Length overall, 3 inches . . ..Per Dozen, $1.75

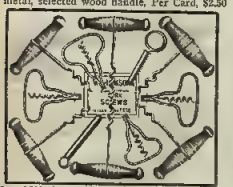
One in a Box; One Dozen in a Display Carton.

CORK SCREWS
ASSORTED ON CARDS

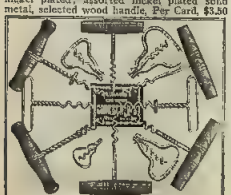
No. 710 Tempered steel coiled wire screws, solid metal handles, nickel plated.....Per Card, $2.50



No. 810 Tempered steel coiled wire screws, nickel plated; assorted nickel plated solid metal, selected wood handle, Per Card, $2.50



No. 6060 Tempered steel coiled wire screws, nickel plated; assorted nickel plated solid metal, selected wood handle, Per Card, $3.50



No. 310 Tempered steel coiled wire and forged steel screws, nickel plated; assorted nickel plated solid metal and selected wood handles.....Per Card, $5.00

All the Above, One Dozen on a Card

BOTTLE CAPPERS
DOUBLE SEAL

Ratchet

Instant adjustment; no nuts or screws to manipulate, simply raise handle to an upright position which releases the gear and allows capper frame to be set at any desired position; caps and corks a bottle with one operation. Frame is made of malleable iron with cold rolled steel brace and is securely bolted to oiled wood base or can be removed for securing to table, bench, etc. Black enameled finish. Caps any size bottle.

No. 1 Height overall, 16½ inches; size of base, 4¾x9½x⅝ inches thick. Weight, 4½ lbs.....Per Dozen, $35.00

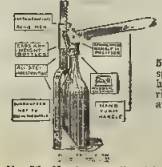
One Dozen in a Shipping Carton

INDESTRUCTO ALL-STEEL

Made entirely of steel and is practically indestructible—it cannot be broken or get out of order. Instantaneous adjustment, caps any height bottle. Patented rubber cushion in capping head takes all the strain off the bottle and prevents the cap from sticking in the head.

No. 5 Height overall, 18 inches; size of base 4¾x8 inches. Weight, 3¾ lbs Per Dozen, $18.00

One Dozen in a Shipping Carton



Same as No. 5 except has spring to hold handle in upright position at all times

No. 5S Height overall, 18 inches; size of base, 3½x6 inches. Weight, 3¾ lbs .....Per Dozen, $19.50

One Dozen in a Shipping Carton

BOTTLE CAPPERS
CAPERITE

Malleable iron, gray enameled. Is extremely strong and will last a lifetime. Is provided with a positive automatic adjustment for various height bottles up to a full quart. This adjustment is acquired without fuss, slipping thread stripping lock screws, etc. Simply raise the adjusting base to any desired height and there the base automatically remains. The handle is held at its highest position by means of a ball bearing adjustment, giving the operator the use of both hands for placing the cap and bottle in the proper position. Then by lowering the handle with the proper pressure the job is perfectly done.

No. 4 Height overall, 16½ inches; diameter of base, 4 inches. Weight, 7½ lbs .....Each, $3.75

Twelve in a Box

C-B-CO

Made of cold rolled steel, nickel plated. Caps any size bottle. Automatic release. Plunger releases bottle after capping. On standard bottles perfects double seal. Cap holder prevents cap from slipping and falling out of place. Reinforcing flange of capping head prevents spreading and insures air-tight seal. Automatic grippers hold bottle and serve as foundation for crimping the cap. Fulcrum principle and cam action insure maximum leverage with minimum effort.

No. 11 Height closed, 7½ inches; spread of handles, 18 inches. Weight, 22 ounces.....Each, $3.75

One in a Package

CORK SCREWS

No. C425—Tempered steel wire, 8 assorted color wood, and 4 all metal handles, w't per doz. ¾ lb.,
per dozen $1.65

ONE DOZEN ON A CARD

No. C435—Eight assorted color wood handles, with nickel plated wire cork screws, four Delmonico nickel plated folding cork screws, all good quality steel, w't per doz. 1 lb.,
per dozen $2.65

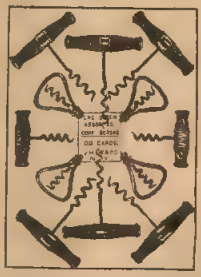
ONE DOZEN ON A CARD

CORK SCREWS

No. C150—Spiral coil, nickel plated, assorted, small, medium and large, w't per doz. ¾ lb.,
per dozen $2.65

ONE DOZEN ON A CARD

CORK SCREWS



No. C450—Assorted, 8 wood handles, 2 beech, 4 boxwood, 2 oak, 4 nickel plated folding tempered steel wire, spiral screws.....per dozen $3.35

ONE DOZEN ON A CARD

OVS

Our Very Best for Fifty Years Has Stood the Test

NEVER-CHIP CROWN CAP BOTTLE OPENER

The only flexible stationary crown cap opener on the market that will remove any crown cap without chipping the bottle. Can be fastened on wall, door, kitchen cabinet, or any other convenient place, used extensively in soft drink parlors and soda fountains.

No. C1—Never-Chip Crown Cap Bottle Opener, heavily nickel plated and polished steel, size 2¼×1⅝ in., complete with 2 screws. Each opener is put up in an attractive individual carton...per dozen $2.55

ONE DOZEN IN A HANDSOME CUT OUT COUNTER DISPLAY CARTON

Hibbard Hardware for Hard-Wear

Hibbard Hardware for Hard-Wear

NIFTY COMBINATION FOLDING BOTTLE OPENER AND CORK SCREW

No outing kit complete without one of these handy items. Opens any style bottle quickly and safely. Easily slips into the vest pocket or purse, or can be attached to key ring or chain. Heavily nickel plated and polished. Stamped on one side NIFTY. Length over all 2¾ in.

No. C63A—Nifty...per dozen $1.55

ONE DOZEN ON A DISPLAY CARD

COMBINATION CROWN CAP BOTTLE OPENER AND CORK SCREW

No. C04—Pocket, length 3⅝ in., nickel plated, steel screw and handle, with varnished white wood protecting case, w't per doz. 12 oz.,
per dozen $1 90

TWO DOZEN ON AN EASEL DISPLAY CARD. WE DO NOT BREAK CARDS

TRIPLET COMBINATION BOTTLE OPENER AND KEY RING

No. C11—Triplet Emergency Tool, combination key holder, cigar box opener, bottle cap remover, screw driver, paper cutter, etc., nickel plated and polished,
per dozen $1 90

ONE DOZEN ON A HANDSOME COUNTER DISPLAY CARD

CORK SCREWS

No. C10—8¼ in. closed, twisted wire spiral screw, nickel plated and polished, nickel plated case, small and compact, w't per doz. ½ lb.,
per dozen $2.75

ONE DOZEN IN A BOX

No. C241—2⅝ in. closed, steel, spiral screw, small, w't per doz. ¾ lb.,
per dozen $1.65

No. C241½—2⅝ in. closed, steel, spiral screw, medium, w't per doz. 1 lb.,
per dozen $3.00

ONE DOZEN IN A BOX

No. C17—3½ in., tempered steel wire, nickel plated white-wood handle, w't per doz. ¾ lb.....per dozen $3.55

ONE DOZEN IN A BOX

CORK SCREWS

No. C243½—5⅜ in., convex screw, polished steel, maple handle, large, w't per doz. 2¼ lbs....per dozen $5.75

HALF DOZEN ON A CARD

No. C56—5¾ in., heavy cast steel, convex screw, nickel plated, will not cut or pull through cork, wire cutter and crown opener, w't per doz. 3 lbs.....per dozen $10.00

HALF DOZEN ON A CARD

Will not cut or pull through the cork.

No. C16—Self-pulling, length 6 in., with bottle opener and wire cutter, a combination that will open all bottles, made of special steel, carefully tempered, nickel plated, polished maple handle, w't per doz. 3 lbs.,
per dozen $10 00

HALF DOZEN ON EASEL DISPLAY CARD

In the Wisdom of the Better Stores

WM. ROGERS & SON
SILVERPLATE

A Record of Long Service

LA FRANCE

Gray Finish

"Reinforced Plate"
or an Extra Deposit of Silver
where the Most Wear Comes
Guaranteed Without
Time Limit

	Doz.
SPOONS	
Tea Spoons	$4.10
Dessert Spoons	7.85
Tea Spoons	6.54
In Blue Lined Boxes	
Ice Cream Spoon each	.74
Iced Tea Spoon each	2.30
Bouillon Spoons set of 6	3.06
Oval Soup Spoons set of 6	2.98
Table Spoons set of 6	4.96
Dessert Spoons set of 6	3.60
Salad Servers set of 2	1.15
Sugar Shells each	.86
FORKS	Doz.
Medium Forks	$8.51
Dessert Forks	7.82
In Blue Lined Boxes	
Oval Vegetable Forks each	1.18
Oyster Forks set of 12	4.78
Pickle Fork, long handle each	1.42
Salad Forks, individual set of six	5.74
KNIVES	
In Blue Lined Boxes	
Butter Spreaders, set of six	5.22
Butter Knife each	.92
LADLES	
In Blue Lined Boxes	Ea.
Punch Ladle	$1.32
Gravy Ladle	1.81
Fruit Ladle, Medium	4.78
SERVERS	
In Blue Lined Boxes	Each
Cheese Server	$2.76
Jelly Server	3.61
Cake Server, H. H. Blue Handle	4.78
Pickle Server	2.10

HOLLOW HANDLE CUTLERY

		Doz.
5	Med. Knives, Carver, Polished Stainless	$27.42
5	Med. Knives, French, Polished Stainless	27.42
55	Med. Knives, Carver, Hi-Grade	24.40
55	Med. Knives, French, Hi-Grade	26.08
91	Dessert Knives, Carver, Plain	22.76
93	Breakfast Knives, Carver, Plain	21.20

CARVING SETS

		Set
84	2 Piece Meat Carving, Stainless	$20.80
84	2 Piece Meat Carving, Plated	10.50
05	2 Piece Bird Carving, Stainless	9.18
105	2 Piece Bird Carving, Plated	8.44

SOLID HANDLE CUTLERY

		Doz.
41	Med. Knives, Polished Stainless	$17.20
71	Med. Knives, Hollow Handle, Stainless	16.56
9	Med. Knives, French, Plated	10.00
12	Med. Knives, Stainless	9.80
12	Jos. Knives, Straight Handle	9.82
17	Breakfast Knives, Cheese Blade, Plated	8.00
19	Knives, Plated	7.50
9a	2 Piece Steak Set, Stainless	5.22

KNIFE AND FORK SETS

		Set
500	4 with No. 41 Med. Knives, Polished Stainless	$12.76
60	4 with No. 9 Med. Knives, French Blades, Plated	9.18
4	2PS with No. 55 Med. Knives, French Blades, Stainless	17.88
2	with No. 5 Med. Knives, Cheese Blades, Plated	10.50
200	with No. 81 Din. Knives, Cheese Blades, Plated	13.80

INTERNATIONAL SILVER CO.

To the Mansions of the Better Stores

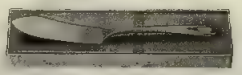
WM. ROGERS & SON
SILVERPLATE

A Record of Long Service

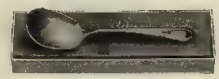
Fancy Pieces are Packed as Shown in Blue Lined Boxes

LA FRANCE
Gray Finish

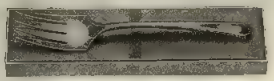
Illustrations One-Third Actual Size



Butter Knife, lined box
Each, $0.92

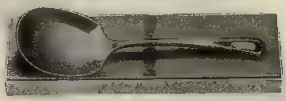


Sugar Shell, lined box, each, $0.88



Cold Meat Fork, each, $1.48

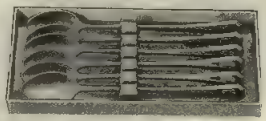
Gravy Ladle, each, $1.84
Cream Ladle, each, 1.32



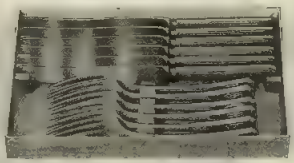
Berry Spoon, each, $2.40

Round Server, each, $2.40

No. 1 Child's Set $2.40

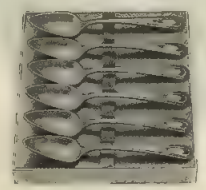


Ice Tea Spoons, set of six $4.06

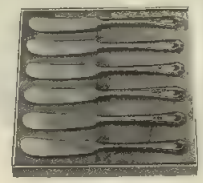


No. 500/4 Set, 6 No. 41 Medium Knives, Stainless, French Blades, and 6 Flat Forks, $12.76
No. 500/9 Set, 6 No. 91 Medium Knives French Blades, Plated, and 6 Medium Forks, Blue Lined Gift Box $9.18

H. H. Pie Server each $4.78



Orange Spoons, set of six, $3.60



Butter Spreaders, set of six, $5.22

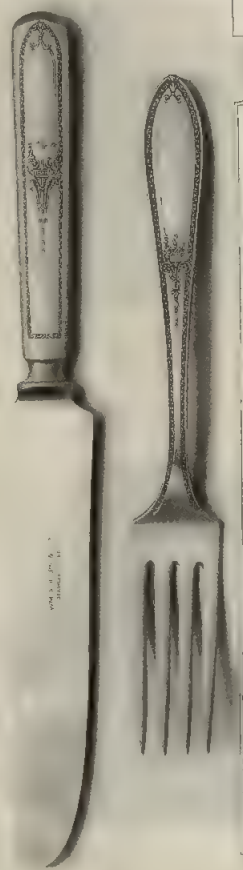
Individual Salad Forks
Set of six $5.74

On the Madison at the Lester Store

WM. ROGERS & SON
SILVERPLATE

A Record of Long Service

TRIUMPH
Gray Finish



"Reinforced Plate" or an Extra Deposit of Silver where the Most Wear Comes Guaranteed Without Time Limit

26

SPOONS	Doz.
Tea Spoons	$4.16
Dessert Spoons	7.82
Table Spoons	8.84
In Blue Lined Boxes	
Salt Spoon each	.74
Berry Spoon set of 6	2.40
Tablespoon Server set of six	4.56
Ladle Server set of six	4.26
6 Tea Spoons set of six	3.06
6 Dessert Spoons set of six	3.60
Soup Server set of six	4.44
Sugar Shell each	.88

FORKS	Doz.
Medium Forks	$8.21
Dessert Forks	7.82
In Blue Lined Boxes	
Cold Meat Forks each	1.38
Oyster Forks set of six	3.78
Pickle Fork, Long Handle each	1.32
Salad Forks, Individual set of six	5.74

KNIVES	
In Blue Lined Boxes	
Butter Spreaders set of six	5.22
Butter Knife each	.92

LADLES	
In Blue Lined Boxes	Each
Gravy Ladle	$1.32
Gravy Ladle Medium	1.84
Soup Ladle Medium	4.78

SERVERS	
In Blue Lined Boxes	Each
Cheese Server	$2.74
Flat Server	2.84
Jelly Server	1.64
Pie Server, Hollow Handle	4.78
Hough Server	2.10

HOLLOW HANDLE CUTLERY	Doz.
52 Medium Knives, French Plate	$27.42
12 Medium Knives, French Blades, Planished	21.10
84 Dessert Knives, French Plate	23.78
84 Dessert Knives, French Blades, Stainless	27.10
84 Breakfast Knives, French Blades, Planished	24.20

CARVING SETS	Set
108 2 Piece Beef Carving Set, Stainless	$20.86
104 2 Piece Beef Carving Set, Stainless	19.60
88 2 Piece Bird Carving Set, Stainless	9.38
148 3 Piece Bird Carving Set	8.44

SOLID HANDLE CUTLERY	Doz.
47 Medium Knives, French Plate, Stainless	$17.20
91 Medium Knives, French Plate	10.00
8 Dessert Knives, French Plate	9.86
85 Breakfast Knives, Plated Blade	9.00
1 Pair Carving Set to 2 Piece Steak Set, Stainless	7.56

KNIFE AND FORK SETS	Set
50 Knife with No. 41 Med. Knives, French Plate, Stainless	$12.76
Knife with No. 91 Med. Knives, French Plate	9.18
128 Knife with No. Med. Knives, French Blades, Stainless	17.88
108 Knife with No. 93 Med. Knives, Stainless Blade, Plated	10.46
108 Knife with No. 94 Dess. Knives, Stainless Blade, Plated	15.80
048 Knife with No. Breakfast Knives, French Plated Blade, Stainless	17.46

In the Workroom of the Better Stores

WM. ROGERS & SON
SILVERPLATE

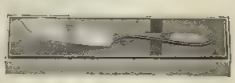
A Record of Long Service

Fancy Pieces are Packed as Shown in Blue Lined Gift Boxes

TRIUMPH

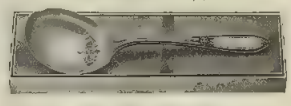
Gray Finish

Illustrations One-Third Actual Size

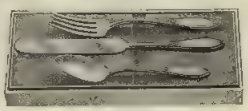


Butter Knife, lined box, each $0.92

Cold Meat Fork each, $1.48

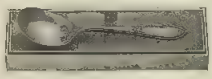


Berry Spoon, each $2.40

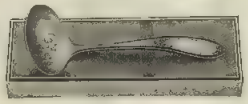


No. 1 Child's Set $2.40

No. 500/4 Set, 6 No. 4 Medium Knives, Stainless French Blades, and 6 Flat Forks, $12.76
No. 500/9 Set, 6 No. 91 Medium Knives, French Blades, Plated, and 6 Medium Forks, Blue Lined Gift Box, $9.18

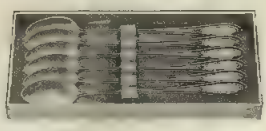


Sugar Shell, lined box, each, $0.88



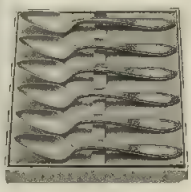
Gravy Ladle, each, $1.84
Cream Ladle, each, 1.32

Flat Server, each, $2.84

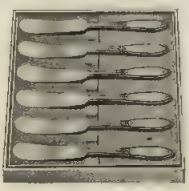


Ice Tea Spoons set of six, $4.06

No. 95 Steak Set, Solid Handle Steak Knife, Stainless 5½-inch Blade, and Solid Handle Fork, $5.22



Orange Spoons, set of six, $3.60



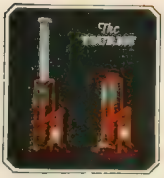
Butter Spreaders, set of six, $5.22

Individual Salad Forks
Set of six, $5.74

INTERNATIONAL SILVER CO.

Fingers Here

At the slightest touch on the long handle, up goes the load! Giant power unbelievable, with action silky smooth. Lifting, holding and lowering—positive and firm.



"TOURIST" — 1½-ton model for average cars 8½ inches low, 14 inches high. Popular price including 2-piece, 34-inch handle

TWIN-CHEK Valve Unit automatically controls the hydraulic oil-power. Located below the pump (outside the jack) easily accessible. Patented.

BLACK-HAWK JACKS, Hydraulic Oil-Power, revolutionize jack efficiency—revolutionize sales potentials throughout the entire jack field.

With a new standard of positive power they raise the heaviest, most awkward car so easily that it is child's play to jack up any wheel or axle, front or rear.

The long bayonet-lock handle holds and slides the jack into position. Easy short *or* long strokes raise the load. The same handle opens the release valve for smooth, quick lowering, controls the movement, and pulls out the jack.

BLACKHAWK

Lift Tons Here!

Dependability is assured by five years of severest service test. In the famous Pickwick Bus Fleet of California, 800 Blackhawk Jacks have been standard equipment for the past three years.

Tourists, jack-wise motorists, women drivers, bus and truck operators offer you a tremendous market.

In addition,
Blackhawk Jacks
give you a complete line for every automotive and industrial need, from this one source.

Get in line now to push Blackhawk Jacks for mounting sales and volume.

Ask Your Jobber's Salesman. Send for Complete Details

BLACKHAWK MFG. COMPANY
Dept. G. Milwaukee, Wis.

Ask how to get our Demonstrator Display FREE. Shows actual Jack in use

B7.5 — The HI-WAY — balloon tire jack is low enough to go under any car with balloon tires deflated. Collapsed—jack is only 7⅜" high; total height extended is 18 inches. Handle is 34" long, allowing easy placement of jack without getting under car. Slight pressure on handle raises 4000 lbs.

JACKS HYDRAULIC OIL-POWER

1847 ROGERS BROS.
SILVERPLATE

AMBASSADOR
PATTERN

Grey Finish

TEA SPOON

CORRECT in outline and original in decoration, Ambassador is one of the most popular patterns ever designed

DESSERT FORK
FLAT HANDLE

Six in Box, Prices per Dozen

8401	Tea Spoons	$9.18
8402	Dessert or Oval Soup Spoons	17.74
8403	Table or Serving Spoons	18.36
8404	Soup Spoons, round bowl	18.36
8405	Dinner Forks, flat	18.36
8406	Dessert or Luncheon Forks flat	17.74
84005	Bouillon Spoons, in blue velvet lined box, set of six	$8.87

SOUP SPOON
ROUND BOWL

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

84401s	Dinner Knives, Stainless Blades	$31.30	84404s	Dessert or Luncheon Knives, Stainless Blades	$31.30
84403s	Breakfast Knives, Stainless French Blades	31.30	84404	Dessert or Luncheon Knives, Plated Blades	28.42
84416	Dinner Forks	28.70	84417	Dessert or Luncheon Forks	28.42

Embossed Solid Handles, Six in Racked Box, Prices per Dozen

84472s	Dinner Knives, Stainless French Blades	$18.28	84478	Dinner Forks	$13.06
84471	Dinner Knives, Plated Blades	13.06	84479	Dessert or Luncheon Forks	12.76
	84474 Dessert or Luncheon Knives, Plated Blades.. $12.76				

DESSERT KNIFE
HOLLOW HANDLE
STAINLESS BLADE

Modeled Handles, Six in Racked Box, Prices per Dozen

84451s	Dinner Knives, Stainless Blades	$22.16	84451	Dinner Knives, Plated Blades...	$14.78
	84452 Dessert or Luncheon Knives, Plated Blades ... $14.72				

c-6-26

INTERNATIONAL SILVER CO.

·1847 ROGERS BROS·
SILVERPLATE

AMBASSADOR

Fancy pieces in Velvet Lined Gift Boxes without extra charge

84201 Butter Knife, bent handle, each $1.54

84017 Sugar Shell, each $1.54

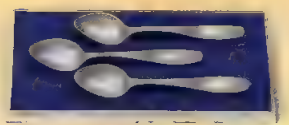
84013 Olive Spoon, each $2.14

84108 Pickle Fork, short, each $1.84

84202 Butter Spreaders, set of six $7.08

84301 Butter Knife and Sugar Shell, per set $3.06

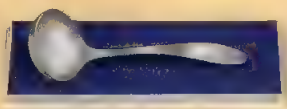
84111 Salad Forks, individual, set of six $9.18
84107 Pie or Pastry Forks, set of six $9.18



84014 Orange or Grape Fruit Spoons, set of six $6.45

84252 Cucumber or Tomato Server each $3.98

84103 Cold Meat Fork, large, each $2.46
84104 Cold Meat Fork, small, each 2.14



84227 Gravy Ladle each $3.06
84226 Cream Ladle, each 2.46
84228 Oyster Ladle, each 1.74
84229 Medium Ladle, each 2.20

84003 Berry or Salad Spoon, large, each $3.98
84004 Berry, small, or Preserve Spoon, each $3.38

84154 Pie or Ice Cream Server, narrow handle, each $5.52

84436 Bird or Steak Set, 2 pieces, per set $10.44
84436s Bird or Steak Set, 5 pieces, per set 14.16
84437s Game Set, 7 pieces, per set $15.98
84146s Carving Set 2 pieces, per set $20.86
Nickel Silver, Silver Soldered, Hollow Handles, Stainless Blades

1847 ROGERS BROS.

SILVERPLATE

ARGOSY PATTERN

Pieces not shown nor listed can be furnished.

Gay charm is a notable characteristic of the newest design in this fine silverplate. All fancy pieces are supplied, singly or in sets, in white kid-finish boxes, blue velvet-lined, without extra charge

STAPLES

		Per Dozen
C8701	Tea Spoons	$8.80
C8702	Dessert or Oval Soup Spoons	17.60
C8703	Table or Serving Spoons	17.60
C8704	Soup Spoons, Round Bowl	17.60
C87005	Bouillon Spoons (in velvet-lined box)	17.00
C87006	Cereal Spoons (in velvet-lined box)	17.60

FORKS

C8705	Dinner, Flat Handle	$17.60
C8706	Dessert or Luncheon, Flat Handle	17

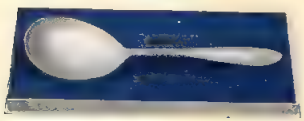
All 1847 ROGERS BROS. Silverplate is wrapped in anti tarnish parchment.

TEA SPOON
Actual Size

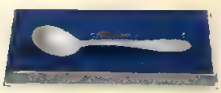
KNIVES

		Per Dozen
C87402s	Dinner, H. H., Stainless French	$30.00
C87401	Dinner, H. H., Plated French	27
C87404	Dessert or Luncheon, H. H., Plated French	23
C87406s	Fruit, H. H., Stainless French	23
C87471	Dinner, S. H., Plated French	12
C87472s	Dinner, S. H., Stainless French	12
C87474	Dessert or Luncheon, S.H., Plated French	10
C87475s	Fruit, S. H., Stainless French	8

C87202 Butter Spreaders Dozen $14.72

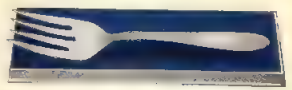


C87003 Berry or Salad Spoon .. Each $3.82
C87004 Berry Spoon, small ..... Each 3.24

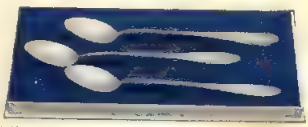


C87017 Sugar Shell Each $1.46

Per Set
C87483s Six each S. H. Dinner Knives, Stainless French, and Flat Forks $17.50
C87484 S. H. Des. Kvs., Fr. Bl., and Flat Fks. 14.62

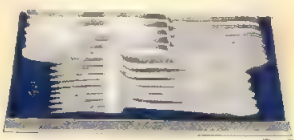


C87103 Cold Meat Fork, large .. Each $2.56
C87104 Cold Meat Fork, small Each 2.16



C87012 Iced Tea Spoons .. Dozen $14.12

C87201 Butter Knife .. Each $1.46
C87301 Butter Knife and Sugar Shell Per Set 2.94

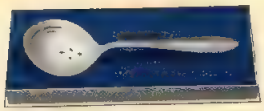


Per Set
C87421s Six each H. H. Dinner Knives, Stainless French, and Flat Forks $23.80
C87422s H.H. Des. Kvs., Stainless Fr., and F. Fks. 23.18

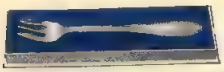
1847 ROGERS BROS.
SILVERPLATE
ARGOSY PATTERN

Pieces not shown nor listed can be furnished.

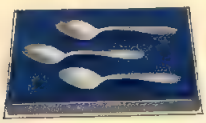
All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet-lined, without extra charge.



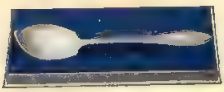
C87252 Tomato or Cucumber Server Each $1.8



C87108 Pickle Fork, short . Each $1.70



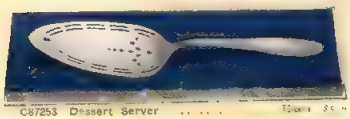
C87008 Coffee Spoons Dozen $8.80



C87204 Jelly Knife or Server Each $2.36

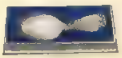
Child's Sets, 3 Pieces.

		Per Set.
C87352	Knife, Fork and Spoon	$3.54
C87353	Spoon, Fork, H. H. Knife	4.12
C87356	Spoon, Fork, Solid Handle Knife	2.01



C87253 Dessert Server Dozen $6.[illegible]

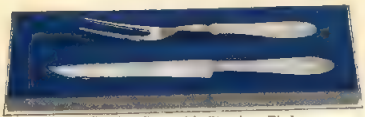
C87227 Gravy Ladle ..... Each $2.94
C87226 Cream Ladle Each 2.36



C87001 Baby Spoon, bent . Each $1.18

C87014 Orange or Grape Fruit Spoons .Dozen $12.36

C87304	Baby Spoon and Fork, short..	Per Set $2.36
C87002	Baby Spoon, short handle .	Each 1.18
C87101	Baby Fork, short handle	Each 1.18



H. H. Carving Sets with Stainless Blades

		Per Set
C87439s	Bird or Steak Set, 2 pieces	$10.00
C87436s	Meat Carving Set, 3 pieces	20.00
C87437s	Game Set, 2 pieces	15.32

C87111 Salad Forks, Individual Dozen $17.00

ALLEGHENY GENERAL HOSPITAL

Pencil Sketches reproduced by two Highlight Halftones and three screened tint plates

Engraved by JOHN C. BRAGDON, INC

PITTSBURGH, PA.

Printed by JAMES McMILLIN PRINTING CO.
Pittsburgh Pa.

On WARREN'S Lustro (Ivory)
The Alling & Cory Company

ALLEGHENY GENERAL HOSPITAL

Pencil Sketches reproduced by two Highlight Halftones and three screened tint plates

Engraved by JOHN C. BRAGDON, INC.

PITTSBURGH, PA.

MECHANICAL TOY TRAINS

THE AMERICAN FLYER

Any child can wind them and with reasonable care they will last a long time. The American Flyer Trains are well and substantially made and not like the cheap foreign made trains. Fully guaranteed by the manufacturers.

Consists of an iron speed governed locomotive with tender, one passenger car and eight pieces of curved track. Locomotive is enameled in black and thoroughly baked, trimmed with silver bands and with green, red and gold decoration. The gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 27 inches; engine and tender, length over all 10½ inches; length of coach 5½ inches; length of each track unit 10½ inches.

Per Doz Sets

No. 0—Wt each 3 lbs $48 00

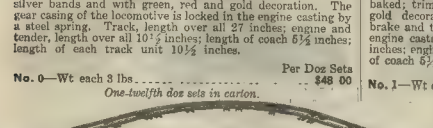
One-twelfth doz sets in carton.

Consists of an iron speed governed locomotive with tender, one passenger car and ten pieces of track (two straight and eight curved). Locomotive enameled in black and thoroughly baked; trimmed with silver bands and with red, green and gold decorations. It is equipped with piston rods and brake and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 37 inches; engine and tender, length over all, 10½ inches, length of coach 5½ inches; length of each track unit 10½ inches.

Per Doz Sets

No. 1—Wt each 3¼ lbs $58 50

One-twelfth doz sets in carton.

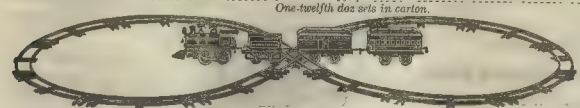


Consists of an iron speed governed locomotive with tender, one baggage and one passenger car; eleven pieces of track (three straight and eight curved). Locomotive enameled in black and thoroughly baked; trimmed with silver bands and with red, green and gold decorations. It is equipped with piston rods, brake and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track length over all 39 inches; engine and tender, length over all 10½ inches; baggage car and passenger car, length each 5½ inches; length of each track unit 10½ inches.

Per Doz Sets

No. 2—Wt each 4 lbs $66 00

One-twelfth doz sets in carton.



Consists of an iron governed locomotive with tender, one baggage and one passenger car, fourteen pieces of curved track and one cross-over. The locomotive is enameled in black and thoroughly baked; trimmed with silver bands and with green, red and gold decorations. It is equipped with piston rods brakes and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 167 inches; length of each track unit 10½ inches.

Per Doz Sets

No. 5—Wt each 4¾ lbs $90 00

One twelfth doz sets in carton

EXTRAS FOR MECHANICAL TOY TRAINS

Straight Track. Per Doz Pieces

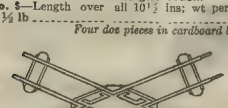
No. S—Length over all 10½ ins; wt per doz pieces ½ lb $2 55

Four doz pieces in cardboard box.

Curved Track. Per Doz Pieces

No. C—Length over all 10½ ins; wt per doz pieces 1½ lbs $2 55

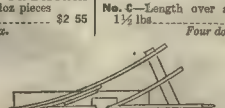
Four doz pieces in cardboard box.



Crossovers "X" Per Doz Pieces

No. MX—Length over all 10½ ins; wt each ½ lb $15 75

One-twelfth doz sets in carton.



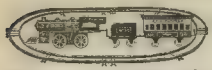
Left Switch **Right Switch**

No. FRL—Right and left hand switches; length over all 10½ ins; wt per pair about 1 lb ..... Per Doz Pair $34 50

One-twelfth doz sets in carton.

MECHANICAL TOY TRAINS

"THE HUMMER"



Attractively painted in yellow and black. Four curved pieces of track form a perfect circle.

Length of locomotive with tender 10 inches; one car 4¾ inches long; length of track 60 inches.

Per Doz

No. 73—Wt per set, 1½ lbs..... **$27 75**

One in cardboard box.

Cast iron engine. Consists of locomotive with tender, two cars, four pieces of curved track and two pieces of straight track. Length over all 19½ inches; length of track 80 inches.

Per Doz

No. 702—Wt each 2½ lbs..... **$39 00**

One in cardboard box.

Consists of cast iron speed governed locomotive equipped with piston rod and brake, tender, baggage car with sliding door; passenger car, ten pieces curved track and two switches to form oval and circle. Length of train 25 inches; length of track 160 inches.

Per Doz

No. 13—Wt each 4½ lbs..... **$108 00**

One in cardboard box.

FRICTION POWER TOYS

DAYTON, WITH GYRO MOTOR

Heavy metal body; wheels made of steel perfectly true and smooth running. Driving power comes from the famous Gyro motor which is a revelation in toys that operate mechanically; easily operated by any child.

INTER CITIES BUS

Sheet steel; yellow enameled trimmed in black and red; equipped with large rubber tires.

Per Doz

No. 2000—Length over all 26 ins; width 6½ ins; height 7 ins..... **$99 00**

Half doz in carton; wt per doz 47½ lbs.

DUMP TRUCK

Sheet steel; enameled orange body, green bed, radiator shell, fenders and running boards enameled red, yellow disc steel wheels. Equipped with bumper.

Per Doz

No. 540—Length over all 14⅛ ins; height 6½ ins; width 4¾ ins; one doz in carton, wt per doz 42 lbs..... **$42 75**

No. 1010—Length over all 20¼ ins; height 8⅝ ins; width 6⅝ ins; half doz in carton, wt per doz 45 lbs..... **78 00**

FRICTION POWER TOYS

DAYTON, WITH GYRO MOTOR

ROADSTERS

Sheet steel; red enameled body, black disc wheels with rubber tires, black fenders, brown top. Equipped with extra wheel, bumper and wind wings.

Per Doz

No. 910—Length 18½ ins; height 7½ ins; width 6¼ ins.. **$57 00**

Half doz in carton; wt per doz 15 lbs.

VICTORIA COUPE

Sheet steel; blue enameled body, black top and fenders, red disc wheels with rubber tires. Equipped with extra wheel and bumper.

Per Doz

No. 900—Length 18⅛ ins; height 8 ins; width 6¼ ins.. **$57 00**

Half doz in carton; wt per doz 31 lbs.

COUNTRY CLUB ROADSTER

Sheet steel; yellow enameled; trimmed in black. Equipped bumpers, wind wings and extra wheel.

Per Doz

No. 830—Length over all 18½ ins; width 6¼ ins; height 7½ ins..... **$51 00**

Half doz in cardboard box; wt per doz 28½ lbs.

FIRE ENGINES

Sheet steel; red enameled body, tank and hose reel, green fenders, black disc wheels, with rubber tires. Equipped with bumper.

Per Doz

No. 731—Length 13¼ ins; height 5⅝ ins; width 4¼ ins.. **$42 00**

One in cardboard box; wt per doz 36 lbs.

EXPRESS TRAINS

Sheet steel; enameled bright red, gold bronze trimmings.

Per Doz

No. 590—Length 30 ins; height 5½ ins; width 3½ ins.. **$42 00**

One in cardboard box; wt per doz 92 lbs.

Sheet steel; blue enameled body, black top and fenders, red disc wheels with rubber tires. Equipped with bumper.

Per Doz

No. 726—Length 13½ ins; height 6¼ ins; width 4½ ins..... **$39 75**

One in a cardboard box; wt per doz 30 lbs.

AEROPLANES

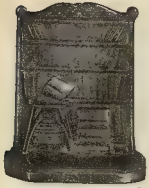
Sheet steel, yellow enameled body, red propeller and wings. Length over all 13½ inches; height 5 inches; width 13 inches.

Per Doz

No. 700—Wt per doz 56 lbs..... **$33 75**

One-twelfth doz in cardboard box; half doz in carton.

Metal Book Ends
Continued



Per pair

N70671 — LIBRARY BOOK ENDS—Cast iron with oxidized copper finished finish. Felt base. Size of base, 4¾x1¾ inches. Height 3¼ inches. Packed one pair in a box 2.50

Per pair

N70674—ELEPHANT BOOK ENDS—Perfectly modeled figures of elephants in metal with royal bronze finish. Size, 2⅞x5 inches. Packed one pair in a box 4.50

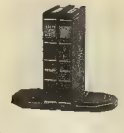
N72669—POLICE DOG BOOK ENDS—Ad mirth, finished in antique brass. Handsome full figure of police dog. Felt base. Size of base, 4⅝x2¾ inches. Height, 4¾ inches. Packed one pair in a box 6.00

Per pair

N70680 — BOOK ENDS Camel and Arab design. Made of metal finished in soft brown enamel and colors. Felt covered base. Size of base, 4¾x2¾ inches. Height, 5¾ inches. Packed one pair in a box 6.00

Per pair

N70681—END OF TRAIL BOOK ENDS—Made of metal. Finished in soft brown enamel colors. Felt covered base. Size of base, 5x3¾ inches. Height, 7¼ inches. Packed one pair in a box 6.00



Per pair

N70666—DE LUXE EDITION BOOK ENDS—This set looks exactly like a pair of real books. It is well weighted and can hold a number of books. Bottoms are felt lined. Finished in two attractive colors, blue or dark red. Size of base, 4¾x 2¾ inches. Height, 5½ inches. Packed one pair in a box 6.00

Per pair

N70663—SHIP BOOK ENDS—Made of composition white metal with Egyptian bronze finish. Bottom covered with felt. Size of base, 8¼x3¾ inches. Height 4¾ inches. Packed one pair in a box 8.00

Per pair

N70664—DANCING GIRL BOOK ENDS—Made of metal and finished in Egyptian bronze. Raised figure of dancing girl. Height, 7 inches. Size of base, 4½x2 inches. Packed one pair in a box 8.00

Per pair

N70665—LION AND SERPENT BOOK ENDS—Composition white metal finished in Egyptian bronze. Bottom covered with felt. Size of base, 6¼x 3¼ inches. Packed one pair in a box 10.00

Marble Base Book Ends

Per pair

N70673—ELEPHANT BOOK ENDS—Metal figure with royal bronze finish placed upon a marbleized base. Elephant has riveted tusks. Size of base, 6¾x3¼ inches. Height, 6 inches. Packed one pair in a box 12.00

Statuette Book Ends

Per pair

N70672—STATUETTE BOOK ENDS—Metal with pompeian bronze finish. Size of base, 4 2 2 inches. Height, 11 inches. Packed one pair in a box 18.00

Carved Book Ends

Per pair

N70675—SCRIBE BURWOOD BOOK ENDS—Full length figure of ancient scribe with open book on his knee and long quill pen. Made of compressed wood to closely resemble hand carving. Finished in antique and covered on back and bottom with high grade brown felt. Height, 6 inches 3.50

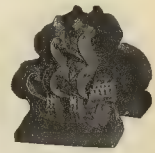
Per pair

N70676—SHEPHERD BURWOOD BOOK ENDS—Full length figure of shepherd and two lambs. Made of compressed wood to closely resemble hand carving. Finished in antique, colored in red and gold and covered on back and bottom with high grade brown felt. Height, 6 inches 3.50

Carved Book Ends
Continued

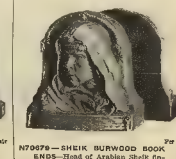
Per pair

N70677—INDIAN BURWOOD BOOK ENDS Head of Indian Chief made of compressed wood to resemble hand carving. Finished in antique with red and blue coloring. Covered on back and bottom with high grade brown felt. Height, 6 inches 3.50



Per pair

N70678 -SHIP BURWOOD BOOK ENDS—Ship model colored in green, orange, blue and gold. Made of compressed wood to resemble hand carving. Finished in antique and covered on back and bottom with high grade brown felt. Height, 6 inches 3.50



Per pair

N70679—SHEIK BURWOOD BOOK ENDS—Head of Arabian Sheik finished in old gold. Made of compressed wood to resemble hand carving. Covered on back and bottom with high grade brown felt. Height 6 inches. 3.50

Metal Book Ends

N70652

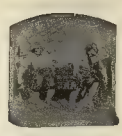
N70652

Per doz. pairs

N70652—METAL BOOK END ASSORTMENT—An assortment of three book ends, Leon, Captain Kidd and The End of the Trail. Made of metal in verdi green finish. Felt bottom. Height, 2⅞ inches. Size of base, 4x2½ inches. Packed ¼ dozen in a box, not broken 14.40

Per doz. pairs

N70653—PEACOCK BOOK ENDS—Finished in antique gold. Fitted with felt bottom. Size of base, 3x4 inches. Height, 5⅛ inches. Packed one pair in a box 16.00


Per pair

N70651—PIRATE'S CHEST BOOK ENDS—Extra heavy cast metal with antique gold bronze finish. Fitted with felt bottom. Size of base, 5⅛x2½ inches. Height, 5¼ inches. Packed one pair in a box 2.00

Per doz. pairs

N70654—SPANISH GALLEON BOOK ENDS—In antique green gold finish. Felted bottom. Size of base, 4⅝x1¾ inches Height, 5⅛ inches. Packed one pair in a box 16.00

Per pair

N70662—SHAKESPEARE'S HOME—Extra heavy cast metal with antique green bronze finish. Size of base, 5⅜x2 inches Height, 4⅜ inches. Packed one pair in a box 2.00

Per pair

N70658—END OF TRAIL BOOK ENDS—Made of extra heavy cast metal with antique green bronze finish. Felt base. Size of base, 5⅛x2¼ inches. Height, 5 inches. Packed one pair in a box 2.00

Per pair

N70655—THINKER BOOK ENDS—An excellent reproduction of Rodin's masterpiece. Made of metal with oxidized finish Felt bottom Height, 5¼ inches Size of base, 4x2½ inches Packed one pair in a box 2.50

Per pair

N70656—ANGELS BOOK ENDS—A reproduction of the famous French painting by Millet. Made of metal, oxidized finish. Felt bottom. Height, 4⅜ inches Size of base, 4⅝x2⅛ inches. Packed one pair in a fancy box. 2.50

Per pair

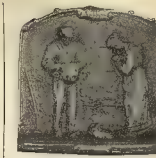
N70657—GALLEON BOOK ENDS—Bas-relief of Spanish galleon Made of metal, bronze finish Felt bottom Height, 4⅜ inches Size of base, 4⅜x2½ inches. Packed one pair in a box..... 2.50

Per pair

N70659—DANCING GIRL BOOK ENDS—Made of cast iron with oxidized copper plated finish Felt base. Size of base, 4⅛x3¼ inches. Height, 5¼ inches. Packed one pair in a box..... 2.50

Per pair

N70660—SEA ROVER BOOK ENDS—Cast metal cut-out figure of a Spanish galleon in a stormy sea. Height, 5⅛ inches Size of base 4⅝x2⅛ inches. Packed one pair in a box..... 2.50


Per pair

N70667—ANGELUS BOOK ENDS—A reproduction of this famous painting in heavy metal bronze finish. Height, 5 inches Size of base, 6x1½ inches 2.50

Per pair

N70668—PANTHEON BOOK ENDS—Metal book ends of cast iron with oxidized copper plated finish Felt base. Size of base, 7x1¼ inches. Height, 4¼ inches. Packed one pair in a box..... 2.50

Per pair

N70669—GARDEN GATE BOOK ENDS—Material of cast iron with oxidized copper plated finish. Felt base. Size of base, 5½x2¾ inches Height, 5 inches. Packed one pair in a box..... 2.60

Per pair

N70670—LIBERTY BELL BOOK ENDS—Made of cast iron with oxidized copper plated finish. Felt base. Size of base, 4⅜x2 inches. Height, 4½ inches. Packed one pair in a box..... 2.50

By Ordering Now
You Get—
Early Delivery
Early Sales
Early Profits

BRUNNER GARAGE AIR COMPRESSORS

Since the garage business became a business, Brunner Compressers have been built in sizes and types to meet each new demand, and the present offering is complete.

Bore 3 in. Stroke 4 in. Guaranteed pressure, 75 lbs Recommended speed, 300 to 350 R P M Outlet, tapped for ¾ in. pipe Intake valve tapped for ½ in. pipe. Capacity, 5 to 7.5 cu. ft. per minute.

SINGLE CYLINDER VERTICAL

To name the uses and virtues of this popular type would be to recite the endless uses of air in garages and machine shops.

The Model 11 has ground finishes, low head clearance, removable brass valves, hammered rings and other **Brunner** features.

This Model supplies ample air for tire inflation in large garages, for paint spraying, for driving small pneumatic tools, and for a variety of industrial purposes. Vibration is reduced by using a heavy-rimmed flywheel driving pulley. Dimensions: height 22 in., floor space 14 in. by 18 in. Lubrication, splash. Power required, 2 H P. Finish, gloss black enamel.

No. F11—Net w't, 120 lbs.; shipping w't, 160 lbs. Outlet for ¾ in. iron pipe.

With 14 in. Flywheel Pulley	$60.00
With 14 in. Tight and Loose Pulleys★	65.00

BELT DRIVEN GARAGE OUTFIT

For Garages and Service Stations Housing 50 to 75 Cars.

One No. F11 Belt Driven Compressor, 14 in. Tight and Loose Pulleys★	$ 65.00
One No. F45 Gallon, 18 in. × 43 in. Seamless Air Tank★	55.00
One Model FB Air Gauge★	2.50
One No. F70 Check Valve, ¾ in.★	4.50
One No. F73 Safety Valve★	2.50
One No. F83 ¾ in. Needle Valve★	2.25
One No. F84 ¾ in. Needle Valve★	3.25
One No. F82 ¾ in. Needle Valve with Swivel Hose Connection	2.25
Two Ground Brass Unions, ¾ in. and ¾ in.	1.85
One 25-foot Drop Line ¾ in. "Resistoil" Air Hose, complete	9.00
No. F110—Per outfit★	$148.10

TWO CYLINDER VERTICAL DIVIDED LOAD

When driven from either a line shaft or mounted on an assembled unit has been always the standard compressor of the garage field. Its capacity and unfailing performance make it the perfect equipment for the average automotive establishment. Its air delivery is rapid, its power requirement low, its oil consumption small, and its enduring efficiency a source of year after year Air Profit.

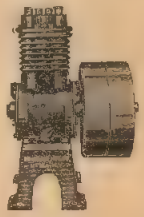
This Model is the best that can be had in its size, combining every resource of Brunner production equipment and care.

Lubrication, splash system Pulleys, 9 in. or 14 in. Dimensions: height 13 in., floor space 6½ by 10 in. Power required at 100 lbs. pressure, ¾ H.P. Finish, gloss black enamel.

No. F102—Net w't, 50 lbs.; shipping w't, 70 lbs.

Without Pulleys★	$58.00
With 9 in. Tight and Loose Pulleys (furnished unless otherwise specified)★	62.00
With 14 in. Tight Pulley★	63.00
With 14 in. Tight and Loose Pulleys★	67.00
For vacuum service, common intake fitting, extra★	3.50

If sub-base as shown in illustration is not desired, deduct $4.50 from list price.



Bore, 1¾ in. Stroke, 2¼ in. Guaranteed pressure, 175 lbs. per sq in Recommended speed, 300 to 400 R.P.M Capacity, 2¾ to 3 cu. ft. Outlet, tapper for ¼ in. pipe.

GARAGE OUTFIT

For Garages Housing up to 50 Cars, and Large Vulcanizing Shops

One No. F102 Belt Driven Compressor 9 in. Tight and Loose Pulleys★	$62.00★
One F32 Gallon, 16 in. × 40 in. Seamless Steel Tank★	40.00★
One Model FB Air Gauge★	2.50★
One No. F70 Check Valve, ¾ in.★	3.75★
One No. F73 Safety Valve★	$ 2.50
One No F83 ¾ in. Needle Valve★	2.25
One No. F83 ¾ in. Needle Valve★	2.25
One No. F82 ¾ in. Needle Valve★	2.25
Two Ground Brass Unions, ¾ in. and ¾ in.★	1.45
One 25-ft. Drop Line ¾ in. "Resistoil" Air Hose★	9.00
No. F1—Per outfit★	$127.95★

★ Items Marked Thus ★ Are Shipped From Factory Only.

BRUNNER MOTOR DRIVEN COMPRESSORS

PORTABLE TIRE INFLATOR

Fleet owners can ill afford to waste driver and car time at public air lines, so they are buying this model for private use. Any fleet of three or more cars can save the cost of this equipment in a year's time. Merchants, bus operators, fire stations, and all "company garages" will eventually have this inflator.

Tires of any size can be hardened to highest pressure in a few seconds. Even a truck tire can be inflated from flat to 120 lbs. in a scant few moments. Electric cord and hose line total 40 feet, giving this machine a wide working radius. 15½ in. high, 15 in. wide and 20½ ling. Shipping w't 145 lbs.

Also furnished as a stationary outfit, but not intended for use in connection with a storage tank.

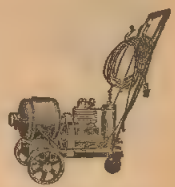
No. F66—Portable Type—

110-220-Volts, 60-Cycle, A. C. Motor★	$155.00
110-220-Volts, 25-Cycle, A. C. Motor★	170.00
110-220-Volts, 40-Cycle, A. C. Motor★	170.00
110 or 220-Volts, D. C. Motor★	165.00
32-Volts, D. C. Motor★	165.00

No. F68—Stationary Type—

110-220-Volts, 60-Cycle, A. C. Motor★	$146.00
110-220-Volts, 25-Cycle, A. C. Motor★	161.00
110-220-Volts, 40-Cycle, A. C. Motor★	161.00
110 or 220-Volts, D. C. Motor★	156.00
32-Volts, D. C. Motor★	156.00

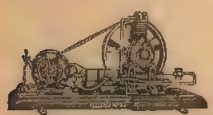
A. C. Motors Other Than 60 Cycle at Additional Charge.



A Compressor geared to ¼ H.P. motor with vapor trap and all equipment, on three wheeled truck. Capacity 1.9 cu. ft.

AUTOMATIC BELTED POWER PLANT

An air plant that can mounted on floor or shelf and piped to a tank on the ceiling or other convenient location. It is silent, reliable, and utterly devoid of troublsome accessories. With a tank up to 50-gallon size, will make a fine air system in the average shop or salesroom.



The No. 102 Compressor with belt drive from ½ H.P. motor to displace 2.5 cu. ft. free air per minute. Including belt tightener, piping, unloader controller, check valve and gauge. The outfit is mounted on pressed steel base with extension feet.

No. F92—22 in. high and cover floor space 45½ in. × 16 in., outlet for ¼ in. iron pipe, shipping w't 340 lbs.

With 1-Phase A. C. 110-220 Volt, 60-Cycle Motor★	$240.00
With 1-Phase A. C. 110-220 Volt, 25-Cycle Motor★	260.00
With 1-Phase A. C. 110-220 Volt, 40-Cycle Motor★	260.00
With 110-Volt Direct Current Motor★	255.00
With 220-Volt Direct Current Motor★	255.00
With 32-Volt Direct Current Motor★	255.00

Motors not listed are specially quoted on application.

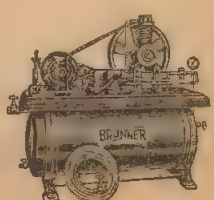
ASSEMBLED AUTOMATIC UNIT

The most popular type of Compressor unit is found in this Model. Used by accessory and tire stores, oil stations, car agencies and repair shops; everywhere, in fact, except where special pneumatic tools or appliances require greater volume of air.

No. F932—Model fully equipped, stands 40 in. high and measures 18 in. × 45½ in. on the floor; shipping w't 535 lbs., tank outlet tapped for ¼ in. pipe line.

With 1-Phase A. C. 110-220 Volt 60-Cycle Motor★	$285.00
With 1-Phase A. C. 110-220 Volt 25-Cycle Motor★	305.00
With 1-Phase A. C. 110-220 Volt 40-Cycle Motor★	305.00
With 110-Volt Direct Current Motor★	305.00
With 220-Volt Direct Current Motor★	305.00
With 32-Volt Direct Current Motor★	305.00

Motors not listed are specially quoted on application.



Specifications:
Two cylinder. Bore 1½ in. Stroke 2½ in.
Motor, ½ H.P.
Capacity, 2½ cu. ft. per minute
Pressure 125 lbs
Tank 32 gal. seamless drawn steel.
Pressed steel base.
Adjustable belt tightener
Automatic unloader controller
Patented check valve.
25 ft. "Resistoil" Air Hose with tire connection
Built-in head safety valves

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

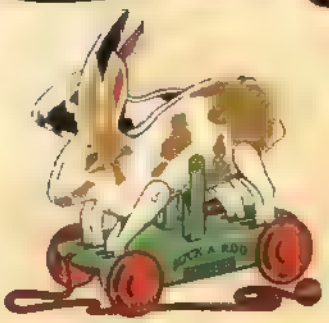
See the KRIEGER LINE *at our New York Permanent Toy Fair*
Room 412 FIFTH AVENUE BUILDING, 200 Fifth Ave. ROTHFELD & CO., Direct Factory Representatives

BUCK-A-ROO

TRADE MARK REG. U.S. PAT. OFF.

double action pull toys

B-1 BUCK-A-ROO Jockies,
Mike and Ike,
Make their ponies
Swiftly hike



B-2 BUCK-A-ROO Bunnies,
The cute little pair,
Hop swiftly together—
They go everywhere.

B-3 On BUCK-A-ROO Teeter
Rides a monkey and clown;
Pull it along
And they bob up and down.

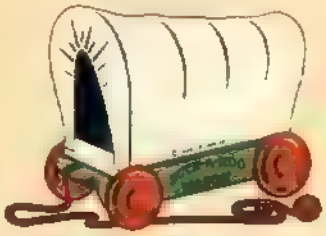
B-4 BUCK-A-ROO Happy,
The funny clown,
Rides his old mule
All over town.

	Retail Each		Retail Each
B-1. BUCK-A-ROO Jockies	$1.00	B-3. BUCK-A-ROO Teeter	$0.75
B-2. BUCK-A-ROO Bunnies	1.00	B-4. BUCK-A-ROO Happy	.75

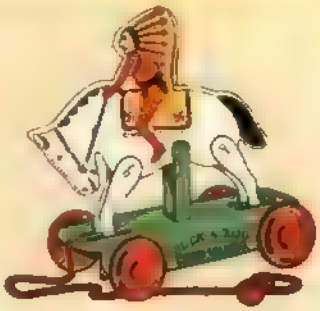
See the KRIEGER LINE *at our Permanent New York Display*

Room 412 FIFTH AVENUE BUILDING, The Toy Center, New York City

B-5 BUCK-A-ROO Oxen
With their strong yokes,
Pull heavy loads
For little folks.



B-6 BUCK-A-ROO Wagon
Has a cover o'er the load,
With BUCK-A-ROO Oxen
You won't need a goad.



B-7 BUCK-A-ROO Chief Wa-Hoo
With feathers in his hair,
Lets his Wild Mustang buck,
What does he care?

BUCK-A-ROO *double action* PULL TOYS

12 DISTINCTIVE NUMBERS for 1927

The Line That Has *Individuality*

Lifelike Designs—

Including five "Wild West" subjects

Brilliant Coloring—

A rich, lustrous finish is produced with our Multi-color Process of decoration.
Washable, harmless lacquer enamels used for all colors.

Sturdily Built—

BODIES: Three-ply California white pine veneer.
CHASSIS and LEGS: Steel—no sharp edges.
WHEELS: Hardwood, securely *cemented* to the axles
ASSEMBLED with rivets. *Each toy tested to run freely.*
SIZE: Height, 7½ to 9½ in.; length, 9 in.; width, 1¼ in.

Snappy Motion—

A realistic bucking movement is produced with our patented *double action* feature.

Attractive Cartons—

Printed in colors. Individual design for each toy.
Packed one dozen of one kind in shipping container, weight 17 lbs.

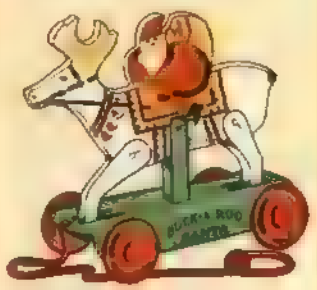
Popular Prices—

Retail *profitably* at popular prices.

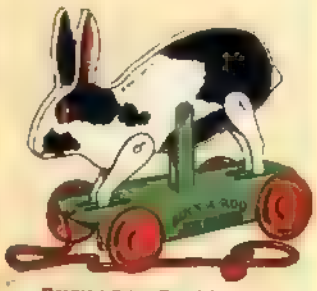
Increase Your 1927 Profits with BUCK-A-ROO

Manufactured by

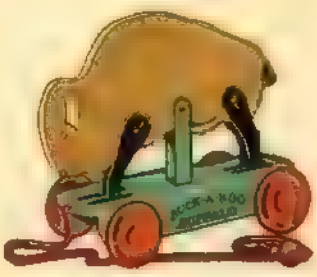
KRIEGER NOVELTY COMPANY, Lodi, California, U. S. A.



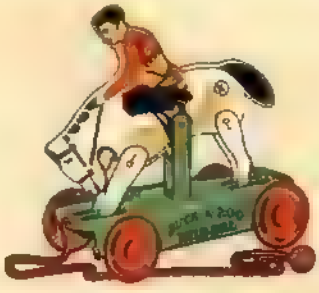
BUCK-A-ROO Santa,
On his tiny reindeer, B-8
Is a jolly old fellow—
He brings you good cheer.



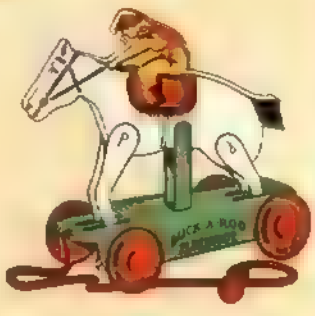
BUCK-A-ROO Rabbit,
His name is Joe;
B-9 If you want real speed,
Just watch him go!



B-12 BUCK-A-ROO Buffalo
From way out West;
For a wild, zippy toy,
You'll like him best.



B-11 BUCK-A-ROO Wild Bill,
On his pinto white,
Yells "Let 'er buck,"
And stays on tight.



B-10 BUCK-A-ROO Fleetfoot
And his rider Jack
Beats all the others
Around the track.

		Retail Each
B-5,	BUCK-A-ROO Oxen (double)	$1.00
B-6,	BUCK-A-ROO Covered Wagon	.75
B-7,	BUCK-A-ROO Chief Wa-hoo	.75
B-8,	BUCK-A-ROO Santa	.75
B-9,	BUCK-A-ROO Joe Rabbit	$0.75
B-10,	BUCK-A-ROO Fleetfoot	.75
B-11,	BUCK-A-ROO Wild Bill	.75
B-12,	BUCK-A-ROO Buffalo	.75

PLANNING · DESIGNING · PHOTOGRAPHING · WRITING
PHOTO-ENGRAVING · PRINTING · BINDING · MAILING

Achievement

··· TO HAVE BEEN
KNOWN FOR MORE
THAN FORTY YEARS
AS UNUSUALLY GOOD
PHOTO-ENGRAVERS
AND PRINTERS

The CARGILL COMPANY

Wolverene Press

GRAND RAPIDS

PLANNING · DESIGNING · PHOTOGRAPHING · WRITING
PHOTO-ENGRAVING · PRINTING · BINDING · MAILING

Achievement

. . . TO HAVE BUILT UP A PLANT AND AN ORGANIZATION SO COMPLETE THAT EVERYTHING ENTERING INTO A JOB OF PRINTING IS PRODUCED UNDER ONE ROOF AND ONE MANAGEMENT

The CARGILL COMPANY

Wolverene Press

GRAND RAPIDS

CHAMPION SPARK PLUGS

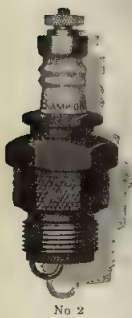
Dependable for Every Engine

Champion spark plugs are made by excellent workmanship, are rugged in appearance, with finely finished knurled body. The double-ribbed semi petticoat Silimanite Core is unbreakable in use, will stand higher heat and more oil and carbon deposits and more abuse than any other known insulator. The Champion Two Piece construction insures absolute compression tight plugs and makes it possible to take apart the plug for cleaning or replacing of core at small expense. The electrode wires are of special analysis wire, will not burn, oxidize or corrode. The best and highest priced cars, including foreign made cars, are fitted with Champion spark plugs.

No. 1

No. 1 ⅞ Standard .... Each, **$0.75**

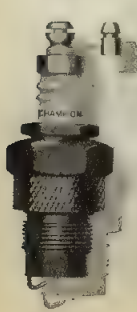
Auburn
Durant 6
Gardner
Haynes
Lexington
Locomobile
Marmon (from '26)
Studebaker
Stutz 4
Willys-Knight Light 6



No 2

No. 2 ⅞ Standard ... .Each, **$0.75**

Cadillac
Chrysler
Flint
Hupmobile 4 and 8
Jewett
Lincoln
Overland 6
Packard
Paige
Pierce Arrow
Willys-Knight Great 6



No 3

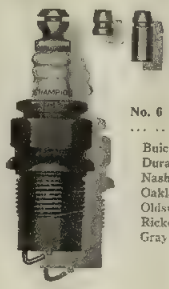
No. 3 ⅞ Regular.. . .. .. Each, **$0.75**

Ajax
Chandler (from '28)
Chevrolet
Cleveland
Dodge Brothers
Hupmobile 6
Marmon (to '28)
Oakland (from '24)
Pontiac
Star
Stephens
Yellow Cab

No 4

No. 4 ⅞ Long Body Regular..Each, **$0.75**

Chandler (to '23)
Jordan
Maxwell
Moon
Peerless
Willys Knight 4



No 6

No. 6 ⅞ Long Special ... .. .Each, **$0.75**

Buick
Durant 4
Nash
Oakland (to '24)
Oldsmobile 4 and 6
Rickenbacker
Gray

No 7

No. 7 ½ Inch Long Standard...Each, **$0.75**

Overland 4
Reo
Most Stationary and Marine Engines

X

"X" ½ Inch A-25.... ... . Each, **$0.60**

For Ford Cars, Trucks and Fordson Tractors.

METRIC TYPES

No. 8 Metric Standard Each, **$0.75**

Duesenberg
Rolls Royce
Stutz 8

No 12 Metric Motorcycle Each, **$0.75**

For Motorcycles

No. 9 Metric Long Each, **$0.75**

Hudson (from '21)
Essex
Wdls
Ste. Claire

CHAMPION SPARK PLUG CORES

A-204

A 205

No. A204 Fits Champion Spark Plugs, No. 1, 2, 3, 4, 6, and 7.....Each, **$0.40**

No. A-205 Fits Champion Spark Plug No. X .....Each, **$0.40**

CHAMPION SPARK PLUGS

Dependable for Every Engine

CHAMPION Spark Plug Size Chart

Showing Recommended Use For Each Number

X Long

½ Inch, Long

Ford
Ford Truck
Fordson Tractor

No. 1

⅛ Standard

Passenger Cars

Allen
Apperson 8
Auburn
Bay State
Biddle
Brewster
Columbia
Comet
Commonwealth
Crow-Elkhart
Dixie
Dort 4 & 6
Durant 6
Elcar
Gardner
Haynes
H C S.
Jones 6
Kline Car
Lexington
Locomobile
Marmon (from '26)
Meteor 6
Meteor
Metz (from '21)
Monitor
Piedmont
Princeton
Pullman
Saxon (to '21)
Stutz
Templar
Velie (from '26)
Willys Knight Light 6

Commercial Cars

American
Atlas
Autocar
Avery
Bedfordian
Bethlehem (2 ton)
Brockway
Commerce
Day-Elder
De Kalb
Denby
Detroit
Famous
Indiana
International Harvester ⅜ T.
Jones
Jumbo
Lamson
Lang
Little Giant
Meteor
Mitler
Moline
Muskegon
Napoleon
Nelson
Piedmont
Rapid
Riddle
Ruggles
Schwartz
Seneca
Service
Stegeman
Studebaker (from '20)
Traffic
Twin City
Wichita
Wilcox
Wisconsin

Tractors

Al. Work
American
Bean Track Pull
Best
Clairex
Common Sense
Daush
Dill
Elgin
McCormick-Deering
Merry Garden
Midwest
Militor
Piedmont
Sandusky
Tow Pull
Twin City
Utilitor
Wallis Cub
Wilson

Farm, Stationary, Marine and Lighting Engines

Auto-Lite
Brevard
Cadle
Delco-Light
Dynaelectric
Elgin One
Fuller & Johnson
Grinnell (Washer)
International Harvester
Lake
Lansing
Laurel
Miller
Niagara
Palmer
Pannonular
Regal
Speedway
Sypher
Twin City
Universal (from '21)
Westinghouse
Willys-Light

No. 2

⅛ Regular

Passenger Cars

Cadillac
Case
Chrysler 4 & 6
" Imperial
Cole
Crane Simplex
Dagmar
Daniels
Diana
Flint
Hupmobile 4 & 8
Jewett
Liberty
Lincoln
McFarlan Six (to '21)
Oldsmobile 8
Overland Six
Packard
Paige
Pierce Arrow
Stevens-Duryea
Willys Knight Great 6
Winton (from '20)

Commercial Cars

Acason
Abrens Fox Fire
Amer. LaFrance
Bethlehem (6 ton)
Buffalo
Dearborn
Defiance
Diamond T.
Fageol
Federal
Fifth Ave. Coach
F W D.
G M C
Grannis
Bertstein
Kelly-Springfield
Kleiber
Lavevue
Mack
Moreland
Packard
Pierce Arrow
Robinson (Fire)
Seagrave (Fire)
United
U. S.
Vim
Ward-LaFrance
White (except ⅜ & 2 T.)
Yellow Coach

Tractors

Fageol
Holt

Farm, Stationary, Marine and Lighting Engines

Nuu
Scripps
Starling

Motorcycles

Harley-Davidson

No. 3

⅛ Long Regular

Passenger Cars

Ajax
Chandler (from '23)
Checker Cab
Chevrolet
Chevwand
Cunningham
Diamond Cab
Dodge Brothers
Dorris
Hupmobile 6
Marmon (to '25)
Mitchell
Mogul Cab
Oakland (from '24)
Pontiac
Premier
Rollin
Scripps Booth 4
Star
Stephens
Stutz Six
Winton (to '20)
Yellow Cab

Commercial Cars

Akron
Armleder
Buck
Cunningham
Dart
Dodge Bros.
Dorris
Duplex
Garford
Gottfredson
Graham
Krebs
Shelby
Stewart
Ultimate

Tractors

Advance-Rumely
Aultman-Taylor (Mod. 15, 30)
Austin
Avery (Mod. 5, 10)
Dart
Bardel
Ingstloot (Monarch)
Minneapolis
National
Parrett (from '21)
Shelby
Topp-Stewart
Turner
Yuma
Yuba (12, 20)

Farm, Stationary, Marine and Lighting Engines

Alamo
Amphion
Kermath
Macbeck
Regal
United
Wisco
Winton

No. 4

⅛ Long Body Regular

Passenger Cars

Anderson
Apperson 4 & 8
Barley
Beggs
Chalmers
Chandler (to '25)
Crawford
Davis
Earl
Handley-Knight
H C S. Taxi
Hudson (to '21)
Jackson
Jordan
King
Kissel
Lafayette
Luxor Cab
Maxwell
Moline Knight
Moon
National (to '21)
Paterson
Peerless
Pilot
Ranger
Ro Vere
Roamer
R & V Knight
Sayers
Saxon
Standard 8
Westcott
Willys Knight 4

Commercial Cars

Ace
Acme
All American
Atterbury
Beggs
Bessemer
Bets
Bridgeport
Century
Chicago
Clydedale
Coleman
Columbia
Concord
Cook
Corbitt
Dependable
Forschler
Fulton
Garford (1 ton)
Gary
Gersix
Giant
Hahn
Hall
Independant
Kalamazoo
Keystone
Kimball
Kissel
Kleanz
Koehler
Larrabee-Deyo
Lippard-Stewart
Mechnicsaus
Mercar
Marvin
Master
Maxwell
Menominee
Multus
Nelson &
Le Moon
New England
Nies
Noble
Northern
Northway
Old Hickory
Orleans
Penn
Pioneer
Rainer
Reiger
Reliance
Republic
Shadow
Sanford
Schacht
Selden
Signal
Southern
S & S.
Standard
Sterling
Superior
Titan
Titan
Transport
Traylor
Triangle
Triumph
Union
Universal
Walker-Johnson
Wilcox
Winther
Wolverine

Tractors

Bailor
Baker Steel Mule
Bull
Bullock Creeping Grip
Case
Dependable
Farm Horse
Fitch
Franklin
Graham
Grain Belt
Gray
Harrington
Huber
Illinois
Indiana
Nelson
Pawling & Harnischfeger
Peoria
Plowman
Rumely
Russell
Samson
Stewart
Toro
Traylor
Triumph
Uncle Sam
Whitney

Farm, Stationary, Marine and Lighting Engines

Bessemer
Buffalo
Daytonlight
Duman
Eico
Evinrude
Fairbanks
Fate
Fay & Bowen
Hawley
Koban
Lalley-Light
Langstadt-Meyer
Le Roi
Matthews
Perfection
Ronning
Westman
W. S. M.

No. 6

⅛ Long Special

Passenger Cars

Buick
Durant 4
Elgin
Gray
McFarlan (from '21)
Mercer 4
Nash
National (from '21)
Oakland (to '24)
Oldsmobile 4 & 6
Rickenbacker
Saxon (from '21)
Scripps-Booth 6
Stearns-Knight
Sterling-Knight
Velie (to '20)

Commercial Cars

Brockway
Cyclone
Gruhler Busses
Intl Harvester 1 2, 3 & 5 Ton
Lange
Maxim
Oldsmobile
Oneida

Tractors

Albaugh Dover
Allis-Chalmers
Buhler
Frick
I H C
Intl Harvester
Knox
Lauson
Matthews
Monarch
Neverslip
Square Turn

Farm, Stationary, Marine and Lighting Engines

Aerothrust
Beaver
C B & E.
Fisherman
H C Dodge
Lathrop
Umlectric

No. 7

⅛ Inch, Long Standard

Passenger Cars

Maytag
Metz (to '21)
Overland 4
" Champion
Reo

Commercial Cars

Bessemer
Reo
Studebaker (to '20)

Tractors

Alligator
Aultman-Taylor (except Mod. 15, 30)
Austin
Avery (Except Mod. 5, 10)
Beaman Garden Eagle
Emerson
Brantingm
Flour City
Happy Farmer
Harrington
Hart Parr
Kerk-Bonnerman
Kinkade
La Crosse
Little Giant
Minneapolis
Moline
Nichols & Shepard
Parrett (to '21)
Pioneer
Pontiac
Reliable
Tracklayer
Waterloo Boy
Waucaman
Yuba (30, 40, 70)

Farm, Stationary, Marine and Lighting Engines

Anderson
Arrow
Automatic
Buffalo
Burnett-Larsh
Cady
Cadle
Challenge
Cook
Cushman
Duro
Economy
Fairbanks Morse
Fairfield
Fairmont
Foos
Freud
Frisbie
Fuller & Johnson
Gerholit
Gray
Hess
Hettinger
Holland
Ideal
Kermath
Kerrance
Laurel
Maximotor
Maytag
Mianus
Miller
Miller Improved
Mudge
Nelson
New Way
Northwestern
Novo
Palmer
Perfection
Pierbe
Pierson
Sanderson
Sandwich
Schramm
Schwartz
Speedway
Standard Separator
Stanley
Stover
Superior
Universal (to '21)
Waterloo Boy
Westman
White
Wolverine

No. 8

Metric Standard

Passenger Cars

Duesenberg
Nelson
Rolls Royce
Scripps-Booth 8
Stutz 8

Commercial Cars

Packard
White (⅜ & 2 T)

Tractors

Holt

Farm, Stationary, Marine and Lighting Engines

Appleton
Brennan
Curtis
Elto
Kohler
Lake
Murray-Tregurtha
Sharpers Milker

No. 9

Metric Long

Passenger Cars

Reser
Hudson (from '21)
Wills Ste. Claire

No. 12

Metric Motorcycle

Farm, Stationary Marine and Lighting Engines

Homsite

Motorcycles

Ace
Cleveland
Cyclemotor
Excelsior
Harley-Davidson (Light)
Henderson
Indian
Johnson Motor Wheel
New-a-Car
Rollaway
Schaake
Thor

HEAVY SERVICE

Special heavy service plug for buses and extra heavy duty trucks

⅞ inch

Commercial Cars

Fageol Safety Coach 4

Metric

Commercial Cars

Fageol Safety Coach 6

Farm, Stationary, Marine and Lighting Engines

Hall-Scott

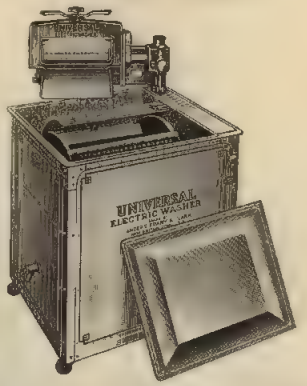
WASHING MACHINES.

COFFIELD WATER POWER.

The Coffield is without doubt the finest Water Power Machine ever constructed. The manufacturers are continually making improvements in their washers, and in the Coffield they have evolved a machine without a peer. It will run satisfactorily on a lower power than any other machine that we have ever seen. The Coffield can be used for years, every day in the week—every week in the year, without attention of any kind. The tub is made of Louisiana Cypress and is neatly finished. Made of the best of material, in the best way, has more power, more speed, will pull a heavier load, and run on lower water pressure than any other.

Coffield. Shipping wt. each, 80 lbs.....Each $33 00

UNIVERSAL ELECTRIC.



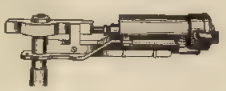
Heavy steel frame; sheet steel case enameled blue gray; galvanized tub with perforated zinc inner cylinder which revolves twice one way and then reverses revolving twice in the opposite direction, making 18 revolutions per minute. This machine combines the advantages of both oscillating and revolving types of washers. The machine is entirely gear driven so the trouble encountered in belt driven machines is avoided. The gears are packed in light motor grease, operate silently and do not need further lubrication for several years in ordinary family use.

No. E1930. Shipping wt., 235 lbs.....Each $150 00

No. E1940. Same as No. E1930 except tub and cylinder are copper .....Each $165 00

WASHING MACHINE MOTORS.

COFFIELD WATER POWER.



Solid cast brass with large, strong valves; water passages made extra large; this lets the water in and out of the motor freely without friction or back pressure, and is what makes the Coffield so powerful and so fast running. There are no metallic gaskets used in the motor so leaks can not develop no matter how hard or how long the motor may be used. There is one spring to assist the valves in reversing the motor. This spring is made of very heavy brass spring wire and is so large and strong that there is no danger of breakage but should one break it could easily be replaced.

Coffield. Wt. each, 26 lbs.....Each $22 00

WASHING MACHINES.

GEYSER.

This is a vacuum washer as the agitator, which is funnel shaped, works up and down forcing the water through the clothes, without wearing and tearing them as an ordinary washing machine does. The tub is made of genuine "Armco" ingot iron, 26 gauge, heavily galvanized; wooden parts have three coats of special washing machine varnish; metal parts of the gearing subject to heavy strain, made of steel or malleable iron; gear teeth, machine-cut in the noiseless spiral pattern; capacity, eight shirts or other garments of equal bulk. The drive shaft is connected to the dasher shaft by a ball and socket joint which overcomes friction, prevents wear and makes the machine very light running.

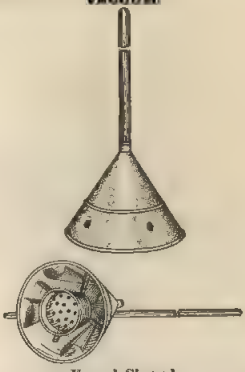
Geyser. Shipping wt., 86 lbs. Ea. **$30 00**

DEXTER.

A hand machine that can be attached by a belt to gasoline engine or electric motor if power is desired; can be operated by hand either standing or sitting; when sitting down the foot pedal can also be used for auxiliary power; the fly wheel is at the bottom on the side of the machine, and the detachable pulley for belt connection is attached to the fly wheel; has a revolving dasher or dolly which makes more than a half turn at each revolution of the fly wheel. The double lever makes this machine run with half the effort required to operate the ordinary hand machine.

Dexter. Wt. each, 94 lbs. . . Each **$30 00**

VACUUM.



Funnel Shaped.

So constructed that the down stroke forces water through the clothes while the up stroke sucks it through, taking all the dirt out. Made of extra heavy tin; very durable; one will outlast several of the ordinary kind, though costing no more than the light ones. Diameter at large end, 8¾ inches; height 7½ inches.

Vacuum. Wt. doz. 16 lbs. Doz. **$15 00**

Junior Vacuum. Wt. doz., 12 lbs. . . . . Dozen **$12 00**

SYPH-O DRAINERS.

A device for filling by pressure, and emptying by syphon, washing machine tube; complete with 5 feet heavy tubing, with 18-inch length of tubing for between faucets; with threaded couplings and a smooth faucet adapter.

No. 400. Wt. doz., 11 lbs. . Dozen **$30 00**

Coleman "Quick-Lite" Gasoline Lamps, Lanterns, Camp Stoves and Sundries

Make and Burn Own Gas from Common Gasoline. Generate and Light with Matches. No Torch Needed. Give 300 Candle Power, Pure White Light. Made of Brass, Heavily Nickel Plated and Highly Polished. They Are Safe, Cannot Spill Fuel or Explode. No Smoke, No Odor. Cost of Operation is Less Than Half a Cent Per Hour. Each Quick-Lite Lamp and Lantern is Packed Complete with Mantles, Pump, Wrench and Extra Generator.

QUICK-LITE LAMPS WITH DECORATED SHADE

This Style is Always Popular with Folks Who Prefer a Touch of Color in a Shade.

Decorated in Tints Overlaid with Clusters of Green Foliage and Wild Roses.

Capacity 3 Pints. Burns 18 Hours in One Filling

No. C318 Each — Tan Tinted Shade.

No. C324 Each — Green Tinted Shade

One in a carton, complete with shade. Weight, each, 10 lbs.

WITH DECORATED OPAL SHADE

Standard Model Equipped with Special White Opal Pure Shade Graceful and Attractive, Giving a Rich Light Which is Pleasing to the Eye. This is One of the Most Popular Styles of Quick-Lite Lamps.

Capacity, 3 Pints. Burns 18 Hours on One Filling

No. C329 Each

One in a carton, complete with shade.

Weight, each, 9 lbs.

QUICK-LITE SHADES

Opal Shade Decorated in Brown and Tan With Vine and Pink Roses

Per Dozen

No. 310 .

Opal Paneled Style Artistic and Durable.

Per Dozen

No. 339 .

QUICK-LITE SHADES

A Three-Quarter Frosted Globe. Protects Mantle from Bugs and Insects. It's a Handsome Style, Can be Used in Dainty, Exposed Places or Inside.

Looks Good Anywhere.

Per Dozen

No. 321 .

QUICK-LITE CHANDELIERS WITH WHITE OPAL PANELED SHADES

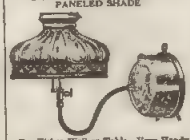
600 Candle Power. Similar in Construction to the Quick-Lite Lamps. For Stores, Churches, Halls or Any Large Room. Plenty of Light Over a Large Area. Fount is Drawn from Single Sheet of 18 Gauge Brass. Nickel Plated. Holds Three Quarts Fuel. With Burn 15 to 20 Hours on One Filling. Nickel-plated Brass Brackets.

Each

No. P329

One in a carton, complete with shades. Weight, each, 16 lbs.

QUICK-LITE BRACKET OR WALL LAMP WITH WHITE OPAL PANELED SHADE

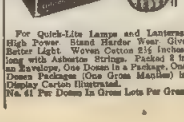


For Either Wall or Table. Very Handy in Rooms with Low Ceilings, in the Kitchen, Hall or Bathroom or Over Desks. Easily Carried from Place to Place. Have Two Legs Which, with Arm, Quickly Converts it Into Table Lamp. Brass Fount and Bracket, Nickel Plated.

Each

No. B329 .....

One in a carton, complete with shade. Weight, each, 9 lbs.



COLEMAN MANTLES

For Quick-Lite Lamps and Lanterns. High Power Stand Harder Wear. Give Better Light. Woven Cotton 2½ Inches long with Asbestos Strings. Packed 2 in an Envelope, One Dozen in a Package. One Dozen Packages (One Gross Mantles) in Display Carton Illustrated.

No. 41 Per Dozen In Gross Lots Per Gross

QUICK-LITE LANTERN

Wind-proof, Rain-proof, Bug-proof. Made of Brass Heavily Nickel Plated Wire Ball. Gives 300 Candle Power, Pure White Light. Burns in Any Weather. Mica Globe. Holds One Quart of Fuel and Burns 12 Hours on One Filling. For Farmers, Autoists, Campers.

Each

No. L327

No. L437

Same as No. L327 but with Built-in Pump.

One in a carton, complete with chimney. Weight, each, 6 lbs.

No. 327 Mica Chimney Only....

QUICK-LITE POULTRY HOUSE LANTERN

Wind-proof, Rain-proof, Bug-proof. Made of Brass, Heavily Nickel Plated Wire Ball. Gives 300 Candle Power, Pure White Light. Burns in Any Weather. Mica Globe. Large Fount Holds 6 Quarts of Fuel and Burns 60 Hours on One Filling.

Each

No. E36 Retails at

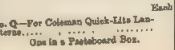
One in a Carton, Complete.

GENERATOR

The Quick-Lite Generator Will Burn 500 to 800 Hours Without Renewing. When Finally Filled with Carbon, Replace with Extra Generator Furnished with Each Lamp. The Hole in Gas Tip (Q18) is Easily Cleaned with Tip Cleaner as Illustrated. If Tip Becomes Clogged, Clean or Replace with new Tip Furnished Free with Each Lamp.

Each

PUMP FOR COLEMAN GASOLINE LANTERN



Each

No. Q—For Coleman Quick-Lite Lanterns.....

One in a Pasteboard Box.

COLEMAN CAMP STOVES

A New Low-priced Camp Stove that Bakes, Boils, Fries, Broils and Roasts. Uses Gasoline for Fuel. Folds up like Suitcase. Has Built-in Folding Wind Baffle, Coleman Hot Blast Generator and Built-in Pump. Detachable Fuel Tank. New Type Steel Legs. All Steel Rugged Grate.

Each

No. 9—Retails

One in a Carton. Weight 16 lbs.

Will Bake, Boil, Fry, Broil or Roast. Uses Gasoline for Fuel. Made of Sheet Metal. Complete with Hot Blast Starter, Built-in Pump, Wind Baffle, Oven and Fuel Tank. Two Hole Grate.

Folds up. Size 18½ Ins. Long, 11¼ Ins. Wide, 4 Ins. Deep.

Each

No. 2—Retails

One in a Carton. Weight 16 Lbs.

NEW! Lite-Six Assortment

A Selection of the Fastest Selling Models and Accessories. Meets Needs of the Average Merchant.

Assortment contains:

2—No. C329 Quick-Lite Lamps with Opal Shade.

1—No. C318 Quick-Lite Lamp with Fancy Shade.

1—No. C324 Quick-Lite Lamp with Fancy Shade.

2—No. L327 Quick-Lite Lantern with Mica Globe.

1—Gross No. 41 Mantles.

1—Dozen No. Q99 Quick-Lite Generators.

No. L6 Assortment.

Retail Value — Costs Dealer

Dealer's Margin

The Key to a Unique Sales Promoting and Stimulating Plan

This Lamp and Sales Plan has a Remarkable Record for Increasing Sales at an Average Cost of Less than 1% to Operate.

Here is the Proposition: With each Lamp is included a Padlock and 1500 Keys. Merchant places Lamp and Announcement Poster in Window and with Each Sale of Optional Amount during a Stipulated Period Gives Customer a Key When all Keys have been Distributed, Customer Holding Key which Opens Padlock Receives from the Merchant the Lamp

The Lamp is a Handsome one of Genuine Gold Leaf Stippled Polychrome, 61 Inches High, with Patented Arm and Cluster, Wired for Electricity. No Globes Furnished; Two Pull Chain Sockets, both Fitted with Silk Pull Cords and Tassels. Is Artistically Designed and Richly Furnished.

The Shade is 22 Inches Wide, 13½ Inches High and a Combination of Three Colors, Black Persian Orange and Gold. Materials Used Being Genuine Black Georgette Finely Shirred over Persian Orange Lining. Shade Made with Two Side Panels of Metaline Cloth, Trimmings of Gold Braid and Silk Velvet, Heavy Black Silk Fringe, and Imported Gold Flower Ornament. All Strictly Hand Tailored and Exquisitely Designed

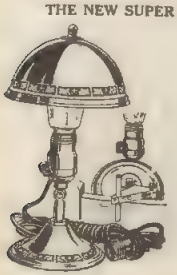
Each

†No. 14

†F. O. B. St. Louis, Mo

†For shipment from factory only

THE NEW SUPER ADJUSTABLE LAMP



This Artistically Designed Lamp Will Add Beauty Wherever Placed. It is Well Made and Beautifully Finished The Super Adjustable Lamp Can be Used Anywhere—Home, Office, or Workshop

It Stands, Hangs, Clamps, Anywhere—Any Position. Always Ready for Any Need or Emergency.

For Work, Reading or Study the Super Adjustable is a Necessity. It Does Away with Eye Strain, Because it Can be Placed at Any Desired Angle

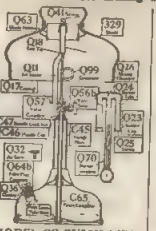
Complete with 8 Feet of Cord and Two Piece Attachment Plug

Each

No. 1—Decorated Brass . . .
No. 2—Decorated Bronze . . .
No. 3—Decorated Old Ivory . . .

QUICK-LITE REPAIRS AND SUPPLIES

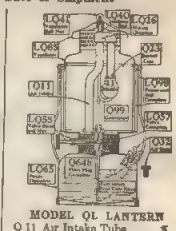
Can be Sent From Factory Only
Price Ruling Date of Shipment



MODEL CQ QUICK-LITE LAMP

C 5	Finishing Shell .. $ .50
Q 11	Burner Support Tube only 60
Q 17	Burner Support Casting 20
Q 18	Gas Tips 10
Q 23	Burner Cap Complete 30
Q 24	Burner Tube . . .20
Q 25	Burner Cap Screen, 2 for 10
Q 26	Mixing Chamber. . .80
Q 32	Air Stem 30
Q 36	Lead Gaskets 2 for .10
Q 41	Shade Holder Screw .10
C 45	Handle 40
C 45	Handle Complete. .60
C 46	Fiber Handle Cap. . .10
C 47	Handle Lock Nut .10
Q 56b	Valve Stem and Nut 40
Q 57	Valve complete . . 1 00
Q 63	Universal Shade Holder 40
Q 64b	Filler Plug Complete 80
C 65	Fount with Filler Plug 7.50
C 69	Hanger 10
Q 70	Burner, Generator, and Valve, assembled . . . 4 00
Q 99	Generator Complete 50
Q	Wrench 30
*Q	Pump for all Portable Lamps and Lanterns . . . $1 00
Q	Tip Wrench. 10
Q	Tip Cleaning Needle. 10

* We carry this Pump in stock



MODEL QL LANTERN

Q 11	Air Intake Tube. . . . $ .60
Q 17	Burner Support Casting 20
Q 18	Gas Tips, 2 for. 10
LQ 19	Burner Frame Washer. .10
Q 23	Burner Cap Complete. .80
Q 24	Burner Tube. 20
Q 25	Burner Cap Screen, 2 for 10
Q 26	Mixing Chamber. . .80
Q 32	Air Stem 30
Q 36	Rubber Gaskets, 2 for .10
LQ 40	Ventilator Rod . . .10
LQ 41	Ventilator Ba Nut . . .10
LQ 55	Valve Stem and Nut. .40
LQ 57	Valve Complete. . 1 00
Q 64b	Filler Plug Complete. .80
LQ 65	Fount with Filler Plug. 6.00
LQ 70	Complete Burner, Valve and Generator. . . 3.50
LQ 85	Ventilator . . . 2.40
LQ 89	Globe Base Rest . .60
LQ 98	Frame and Base Complete . . . 1 60
Q 99	Generator Complete. . .80
LQ	Wrench 30

DIM-A-LITE ATTACHMENTS

Manipulation of Pull Chain Gives Five Distinct Changes in Light (Full Low, Dim, Nitelite and Out) Economizes in Electricity Fits any Standard Screw Socket

Each

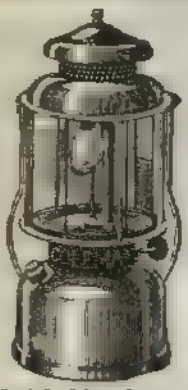
No. 23—110 Volts . { 1 to 11 / 12 to 47 / 48 and over

One Dozen on Display Card. Standard Package (45) Weighs 18 Lbs.

SEND US YOUR MAIL ORDERS

Coleman Quick-Lite

QUICK-LITE LANTERN



This Quick-Lite Lantern is a most popular seller. A dependable outdoor light that can be used in hundreds of places where the ordinary lantern is useless. Gives more light than 20 old style oil lanterns. Keeps right on shining anywhere any night in any kind of weather. Mica Chimney makes it windproof, storm proof, bug proof. Easy to keep ready for use,—no wicks to trim, no chimneys to clean. Fount holds two pints of gasoline which gives from 12 to 15 hours of brilliant lighting service. Each lantern in carton, **complete with** mantles, pump, wrench, cleaning pick and extra generator.

No. 23R11. (Mfg. No. L327).
Each 5.14

BUILT-IN-PUMP LANTERN

The New Built-In-Pump Lantern has hand-operated filler plug. A dependable outdoor light which can be used in many places. Especially adapted for campers and tourists. Gives more light than 20 old style oil lanterns. Has Mica chimney which makes it wind proof, storm proof, bug proof. Each lantern complete with chimney, 2 mantels, wrench, cleaning pick and extra generator.

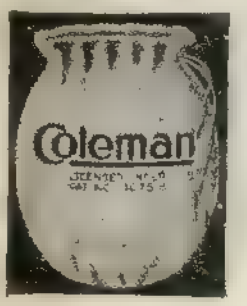
No. 23R12. (Mfg. No. L427.)
Each 5.88

STANDARD MODEL QUICK-LITE LAMP

This is the Standard Model Quick-Lite Lamp, a handsome practical lamp for general home use. Lights with matches. Makes its own gas from common motor gasoline. Gives beautiful light. Fount holds three pints of fuel, enough for 15 to 18 hours of brilliant service. It is a safe lamp, can't spill even if tipped over, can't be filled while lighted. Equipped with opal paneled shade of exclusive coleman design. Each lamp in carton complete with shade, 2 mantels, pump, wrench, hanger, cleaning pick and extra generator.

No. 23R13. (Mfg. No. C329.)
Each 6.12

COLEMAN JUNIOR MANTLES



Coleman Junior Mantles should always be used on Quick-Lite lamps and lanterns for best results. Made just right in size, shape and texture and chemically treated to give proper incandescency. Seam at bottom where pressure is strongest. No side seams to split under pressure and of uniform quality. One dozen mantles in box, 12 boxes in handsome counter carton.

No. 22R16.
Per gross.. 7.35 Per dozen.. .73

COLEMAN RADIANT HEATER

The Coleman Radiant Heater is portable and not restricted in use to length of hose or pipe. It makes its own gas from a good grade of motor gasoline. Adapted to homes beyond gas mains, cabins, tents, offices, etc. Radiates a penetrating, fan like zone of air warming lower part of room first insuring good circulation. Removable tank of heavy gauge steel, electrically welded and equipped with hand operated filler plug and pressure gauge. Has handy Jumbo Pump furnished with each heater. Generates with Alcohol torch. Packed in carton. Shipping weight 40 pounds.

No. 23R20. (Mfg. No. 2). Each..... 20.88

GENERATOR

The Quick Lite Generator will burn 500 to 800 hours without renewing. When finally filled with carbon replace with extra generator furnished with each lamp. The hole in gas tip (Q18) is easily cleaned with tip cleaner as illustrated. If tip becomes clogged, clean or replace with new tip furnished free with every lamp.

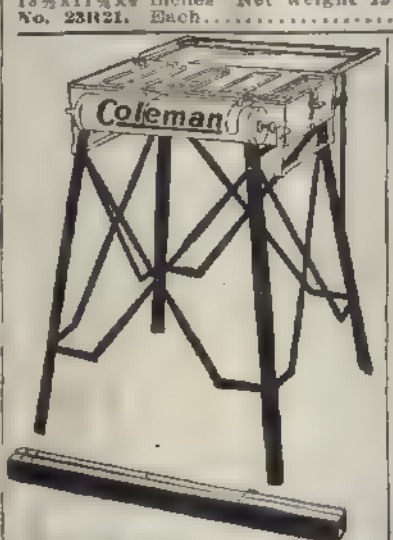
No. 23R17. (Mfg. Q99.)
Per dozen..... 2.75

The Coleman Camp Stove

Coleman Camp Stove No. 9

The Coleman stove model No. 9 has a tall wind baffle to protect the two wide action burners. Is equipped with detachable fuel tank. Featured with a built in pump, pattern filling funnel and a hard operated filler plug. Hot blast starter gives full cooking heat in two minutes. Folds to suitcase size 18½x11¼x4 inches. Net weight 13½ pounds.

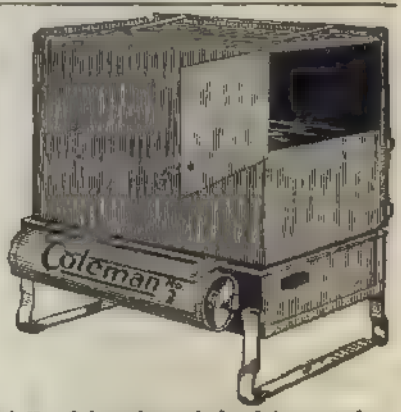
No. 23R21. Each..... 6.12



Coleman No. 10 universal high stand as illustrated above is of single unit all steel construction. When set up all folding joints lock automatically and makes positively rigid high stand. Fits any make of camp stove and has lid support. Folds to size 2½x2x26 inches. Net weight 7¾ pounds.

No. 23R24. Each..... 1.57

Coleman Camp Stove No. 2



The Coleman camp stove model No. 2 is acknowledged by out door experts to be the finest camp stove made. The built-in oven can also be used as a drum heater, a warming cabinet, a wind baffle or a handy shelf, as it nests right in the lid. Equipped with detachable fuel tank with built-in pump and filling funnel. Hot blast starter works like a blow torch, gives full cooking heat in less than 2 minutes. Folds to suitcase size 18¼x11¼x4 inches. Net weight 18½ pounds.

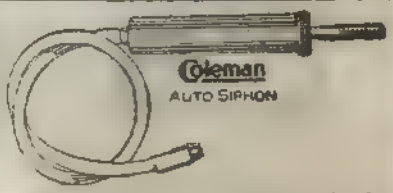
No. 23R22. Each..... 8.33

Low Priced "Auto Cook Kit"

A moderateness of price distinguishes this two-burner stove as an exception to the rule, for it embodies practically all the desirable features that would ordinarily be wanted in an efficient two-burner stove for camping and picnics.

It is built of 24-gauge sheet steel, with dark brown enamel baked on, has folding windshields and legs, strong hinged grate and one-piece drawn brass tank. When not in use the tank packs inside. Closed it measures 17x8½ inches, and weighs approximately 12 pounds. A convenient rubber and brass pump are included in the equipment. Each in carton.

No. 23R1. Each..... 3.50



The Coleman Auto Siphon is designed especially for the use of auto tourists and campers and is a needed convenience where any gasoline camping equipment is in use. If the Coleman Camp stove fuel tank goes dry or your Quick-Lite Lantern needs refilling, just siphon the necessary gasoline from your automobile tank and go on. The siphon has a ¼ inch nickel plated brass barrel, 4 inches long and 34 inches of high grade ⅜ inch rubber hose. Each packed in a carton.

No. 23R23. Each..... .44

COMMUNITY PLATE

THE Adam DESIGN
This exquisite creation was inspired by the charming work of the celebrated eighteenth century decorators, the Brothers Adam
Bright Fourth
DINNER KNIFE
DINNER FORK
TABLE SPOON

50 Year Replacement Guarantee

SPOONS—*Six in Box*	*Per Doz.*
Tea	$9 76
Dessert	18 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18 88

KNIVES (*Plated Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner	$ 31 20
Hollow Handle Dessert	30 48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19 12

KNIVES (*Stainless Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner De Luxe	$36 80
Hollow Handle Dessert De Luxe	36 08
Modeled Handle Dinner	21 48

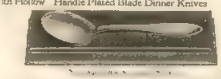
COMMUNITY PLATE

29 OR 26 PIECES IN FREE PETIT BUFFET

With Hollow Handle DeLuxe Stainless Din. Knives	$46 04
With Hollow Handle DeLuxe Stainless Des. Knives	45 96
With Modeled Handle Stainless Dinner Knives,	38 38
With Hollow Handle Plated Blade Dinner Knives.	43 74

29 OR 26 PIECES IN DUO SERVICE TRAYS

With Hollow Handle DeLuxe Stainless Din. Knives	$48 12
With Hollow Handle DeLuxe Stainless Des. Knives	47 44
With Modeled Handle Stainless Dinner Knives,	40 36
With Hollow Handle Plated Blade Dinner Knives	45 32



BUTTER KNIFE, *each* $1 63
BUTTER KNIFE AND SUGAR SPOON, *set* $3 24

INDIVIDUAL SALAD OR PASTRY FORKS, *set* $9.76

AFTER DINNER COFFEE SPOONS, *set* $5 20
SHERBET OR FIVE O'CLOCK TEASPOONS, *set* $5 20
JAM OR CONSERVE SPOON, *each* $1 96
ORANGE OR GRAPEFRUIT SPOONS, *set* $7 50
SALAD DRESSING OR SMALL LADLE, *each* $2.93
SERVING OR GRAVY LADLE, *each* $3 58
MEDIUM SOUP LADLE, *each* $10 43
ICED TEA OR ICED DRINK SPOONS, *set* $7 82
ICE CREAM OR SHERBET FORKS, *set* $8.14
INDIVIDUAL PIE FORKS, *set* $11 08
ICE CREAM OR SUNDAE SPOONS, *set* $7 50
PIERCED BON BON SPOON, *each* $3 25
LEMON OR RELISH FORK, *each* $1 63
PIERCED PASTRY SERVER, *each* $5 55
CAKE OR PASTRY SERVING FORK, *each* $3 58
HOLLOW HANDLE PIE OR ICE CREAM SERVER, *each* $5 55
HOLLOW HANDLE CHEESE SERVER, *each* $3 58
SUGAR TONGS, *each* $2.61
HOLLOW HANDLE FRUIT KNIVES, *set* $14 90
MODELED HANDLE FRUIT KNIVES, *set* $9 56
DELUXE KNIFE SHARPENER, *each* $3 25

STAINLESS CARVING SETS

3-PIECE HOLLOW HANDLE, *set* $24 10
2-PIECE HOLLOW HANDLE (7-*inch blade*), *set* $14.18
2 PIECE HOLLOW HANDLE, *set* $9 90
2 PIECE MODELED HANDLE, *set* $7 00

Packed in Blue Velvet Gift Boxes

43 PIECE COURT CABINET

29-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives	$51 88
With Modeled Handle Stainless Dinner Knives	44 22

No Piece Court Cabinets Same Prices as 29-Piece.

43-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives	$78 88
With Modeled Handle Stainless Dinner Knives,	71 22

56-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives	$104 76
With Modeled Handle Stainless Dinner Knives,	89 44

COLD MEAT OR SERVING FORK, *each* $3 25
SMALL COLD MEAT OR SARDINE FORK, *each* $2 6.

BERRY OR SERVING SPOON, *each* $4 56
SMALL BERRY OR PRESERVE SPOON, *each* $3 58

INDIVIDUAL BUTTER SPREADERS, *set* $8.14

JELLY SERVER, *each* $1 96
PICKLE OR OLIVE FORK, *each* $1 96
OLIVE OR SALTED NUT SPOON, *each* $2 27
PIERCED ROUND SERVER, *each* $4 24
OYSTER OR SEAFOOD FORKS, *set* $6 84
BOUILLON OR CONSOMME SPOONS, *set* $9.44
BABY'S FORK, *each* $1 30
BABY'S SPOON, *each* $1 30
BABY'S SET, *set* $2 56
CHILD'S SET (*with Hollow Handle Knife*), *set* $5 20
CHILD'S SET (*with Flat Handle Knife*), *set* $3 92

KNIFE AND FORK SETS

(STAINLESS BLADE KNIVES)

Hollow Handle DeLuxe Dinner Knives, Flat Forks, *set*	$28 6
Hollow Handle DeLuxe Dessert Knives, Flat Forks, *set*	2 48
Modeled Handle Dinner Knives Flat Forks, *set*	20 50

(PLATED BLADE KNIVES)

Hollow Handle Dinner Knives, Flat Forks, *set*	$25 36
Hollow Handle Dessert Knives, Flat Forks, *set*	24 68
Modeled Handle Dinner Knives, Flat Forks, *set*	19 06
Modeled Handle Dessert Knives, Flat Forks, *set*	19 06

Packed in Blue Velvet Gift Boxes

The ADAM *Design*

COMMUNITY PLATE

THE Patrician DESIGN
The simple dignity of *Patrician* is ennobled by the exquisitely graceful shaping of the pieces, its wondrously rich and lovely finish
Bright Finish
DINNER KNIFE
DESSERT SPOON
DINNER FORK
CABLE SPOON

50 YEAR REPLACEMENT GUARANTEE

SPOONS—*Six in Box*	*Per Doz.*
Tea	$9 76
Dessert	18 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18 88

KNIVES (*Plated Blades*) SIX IN BLUE VELVET LINED GIFT BOX	*Per Doz.*
Hollow Handle Dinner	$ 32 20
Hollow Handle Dessert	30 48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19 12

KNIVES (*Stainless Blades*) SIX IN BLUE VELVET LINED GIFT BOX	*Per Doz.*
Hollow Handle Dinner De Luxe	$36 80
Hollow Handle Dessert De Luxe	36 08
Modeled Handle Dinner	21 48

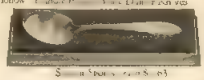
COMMUNITY PLATE

29 OR 26 PIECES IN FREE PETIT BUFFET

With Hollow Handle DeLuxe Stainless Din Knives, $46 04
With Hollow Handle DeLuxe Stainless Din Knives, 45 36
With Modeled Handle Stainless Dinner Knives 38 38
With Hollow Handle Plated Blade Dinner Knives, 43 24

29 OR 26 PIECES IN DUO SERVICE TRAYS

With Hollow Handle DeLuxe Stainless Din Knives, $48 12
With Hollow Handle DeLuxe Stainless Din Knives, 47 44
With Modeled Handle Stainless Dinner Knives, 40 36
With Hollow Handle Plated Blade Dinner Knives 45 32



Small Stock Code S-63

Butter Knife, *each* $1 63
Butter Knife and Sugar Spoon, *set* $3.24

Individual Salad or Pastry Forks, *set* $9 76

After Dinner Coffee Spoons, *set* $5 20
Sherbet or Five O'Clock Teaspoons, *set* $5.20
Jam or Conserve Spoon, *each* $1 96
Orange or Grapefruit Spoons, *set* $7 30
Salad Dressing or Small Ladle, *each* $2 93
Serving or Gravy Ladle, *each* $3.58
Medium Soup Ladle, *each* $10 43
Iced Tea or Iced Drink Spoons, *set* $7 82
Ice Cream or Sherbet Forks, *set* $8 14
Individual Pie Forks, *set* $11 08
Ice Cream or Sundae Spoons, *set* $7.30
Pierced Bon Bon Spoon, *each* $3 25
Lemon or Relish Fork, *each* $1 63
Pierced Pastry Server, *each* $5.53
Cake or Pastry Serving Fork, *each* $3 58
Hollow Handle Pie or Ice Cream Server, *each* $5 55
Hollow Handle Cheese Server, *each* $3 58
Sugar Tongs, *each* $2 61
Hollow Handle Fruit Knives, *set* $14 90
Modeled Handle Fruit Knives, *set* $9 56
DeLuxe Knife Sharpener, *each* $3 25

STAINLESS CARVING SETS

3-Piece Hollow Handle, *set* $24 10
2-Piece Hollow Handles (*7 inch blade*), *set* $14 18
2-Piece Hollow Handle, *set* $9 90
2-Piece Modeled Handle, *set* $7.00

Packed in Blue Velvet Gift Boxes

43 PIECE COURT CABINET

29-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din Knives, $41 98
With Modeled Handle Stainless Dinner Knives, 44 22
(29-Piece Court Cabinets Same Prices as 29-Piece)

43-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din Knives, $78 88
With Modeled Handle Stainless Dinner Knives, 7 22

56-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din Knives, $104 76
With Modeled Handle Stainless Dinner Knives, 89 44

Cold Meat or Serving Fork, *each* $3.25
Small Cold Meat or Sardine Fork, *each* $2.61

Berry or Serving Spoon, *each* $4.56
Small Berry or Preserve Spoon, *each* $3 58

Individual Butter Spreaders, *set* $8 14

Jelly Server, *each* $1 96
Pickle or Olive Fork, *each* $1.96
Olive or Salted Nut Spoon, *each* $2 27
Pierced Roll or Server, *each* $4 24
Oyster or Seafood Forks, *set* $6 84
Bouillon or Consomme Spoons, *set* $9.44
Baby's Fork, *each* $1 30
Baby's Spoon, *each* $1 30
Baby's Set, *set* $2 56
Child's Set (*with Hollow Handle Knife*), *set* $5 20
Child's Set (*with Flat Handle Knife*), *set* $3 92

KNIFE AND FORK SETS

(STAINLESS BLADE KNIVES)

Hollow Handle DeLuxe Dinner Knives, Flat Forks, *set* $28 16
Hollow Handle DeLuxe Dessert Knives, Flat Forks, *set* 27 48
Modeled Handle Dinner Knives, Flat Forks, *set* 20 50

(PLATED BLADE KNIVES)

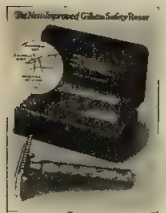
Hollow Handle Dinner Knives, Flat Forks, *set* $25 36
Hollow Handle Dessert Knives, Flat Forks, *set* 24 68
Modeled Handle Dinner Knives, Flat Forks, *set* 19 68
Modeled Handle Dessert Knives, Flat Forks, *set* 19.00

Packed in Blue Velvet Gift Boxes

The PATRICIAN *Design*

SAFETY RAZORS AND BLADES

NEW IMPROVED GILLETTE RAZORS



New Standard Model

Consists of a New Improved Gillette Razor and blade box, complete with 12 Gillette blades. Put up in a genuine leather case with purple velvet and satin lining

Triple silver plated razor, nickel plated blade box ..... Each, **$5.00**
Gold plated razor and blade box, Each, **6.00**

Bostonian Model

Consists of a New Improved Gillette Razor and blade box, complete with 12 Gillette blades. Put up in a metal case with purple velvet and satin lining

Triple silver plated razor, nickel plated case and blade box..... Each, **$5.00**
Gold plated razor, case and blade box ..... Each **$6.00**

Tuckaway Model

Consists of a New Improved Gillette razor and blade box, complete with 12 Gillette blades. Put up in a fancy metal case with purple velvet and satin lining. Triple silver plated razor and nickel plated blade box ..... Each **$5.00**

Gold plated razor, case and blade box ..... Each, **$6.00**

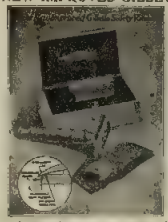
Richwood Model

Consists of New Improved Gillette razor and blade box, complete with 12 Gillette blades. Put up in a highly finished mahogany wood case

Triple silver plated razor, nickel plated blade box ..... Each, **$5.00**

Gold plated razor and blade box, Each, **6.00**
All the Above, One in a Box

NEW IMPROVED GILLETTE RAZORS



Aristocrat Model

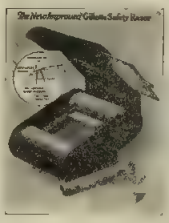
Consists of a New Improved Gillette razor and blade box, complete with 12 Gillette blades. Put up in a imitation ivory case with purple velvet and satin lining

Gold plated razor, imitation ivory blade box ..... Each **$6.00**

Big Fellow Model

Consists of a New Improved Gillette razor and blade box, complete with 12 Gillette blades. Put up in a selected natural finish gum wood case

Triple silver plated razor, nickel plated blade box ..... Each, **$5.00**
Gold plated razor and blade box.. Each, **6.00**



Traveler Model

Consists of a New Improved Gillette razor, Gillette shaving brush in container, a stick of Gillette shaving soap in container, and a blade box, complete and 12 Gillette blades. Put up in a genuine leather case with purple velvet and satin lining.

Triple silver plated razor, nickel plated blade box and containers ..... Each, **$7.50**
Gold plated razor, blade box and containers ..... Each, **$10.00**

OLD TYPE GILLETTE RAZORS

Shawmut Model

Consists of an Old Type Gillette razor and 1 Gillette blade in a sealed package. Put up in an imitation leather covered metal case with brown velvet lining.

Gold plated razor and blade box, ... Each, **$1.00**
All the Above, One in a Box

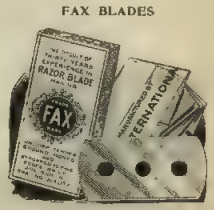
GILLETTE BLADES

Each double edge blade is put up in an individual envelope, and packed five blades in a package or ten blades in a package.

Gillette Blades Five in a package..... Per Package, **$0.50**
Twenty Packages in a Carton

Gillette Blades Ten in a package..... Per Package, **$1.00**
Ten Packages in a Carton

FAX BLADES

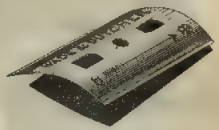


Made from the finest Swedish razor blade steel highly tempered and ground, honed and stropped to the keenest shaving edge. Each blade wrapped in a wax paper to prevent rust. Put up six blades in a package or twelve blades in a package. For use with Gillette Razors.

Fax Blades Six in a package ..... Per Package, **$0.40**
Twenty Packages in a Carton

Fax Blades Twelve in a package..... Per Package, **$0.75**
Ten Packages in a Carton

WADE & BUTCHER BLADES



Made of highest grade steel curved and extra thick assuring durability, temper, hardness and keeness. Will not crack when clamped to razor. Put up five blades in a package or twelve blades in a package. For use with Gillette Razors.

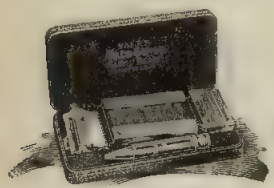
Wade & Butcher Blades Five in a package ..... Per Package, **$0.50**
Twelve Packages in a Carton

Wade & Butcher Blades Twelve in a package ..... Per Package, **$1.00**
Twelve Packages in a Carton

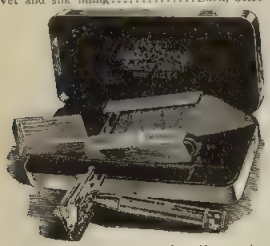
SAFETY RAZORS AND BLADES

AUTO STROP RAZORS

Standard Model—Consists of self stropping razor, chased blade box with 10 Auto Strop blades and a specially prepared leather strop in a chased container. Put up in an attractive seal grain leather case with velvet lining.
Silver plated razor, blade box and strop container, black leather case with purple velvet and silk lining..... Each, $5.00
Gold plated razor blade box and strop container, brown leather case with brown velvet and silk lining.....Each, $6.00



Parisian Model Consists of self-stropping razor, chased blade box with 10 Auto Strop blades and a specially prepared leather strop in a chased container. Put up in an attractive seal grain leather case with velvet and silk lining
Silver plated razor, blade box and strop container, black leather case with purple velvet and silk lining.....Each, $5.00
Gold plated razor, blade box and strop container, brown leather case with brown velvet and silk lining.....Each, $6.00



Roman Model Consists of self-stropping razor, chased blade box with 10 Auto Strop blades and a specially prepared leather strop in a chased container. Put up in an attractive flat nickel plated case with purple velvet and silk lining.
Silver plated razor, blade box and strop container.....Each, $5.00
All the Above, One in a Box

AUTO STROP RAZORS

Londoner Model Consists of self-stropping razor, chased blade box with 10 Auto Strop blades and a specially prepared leather strop in a chased container. Put up in an attractive nickel plated case with purple velvet and silk lining
Silver plated razor, blade box and strop container..... Each, $5.00
One in a Box

New Yorker Model Consists of self-stropping razor, chased blade box with 10 Auto Strop blades and a specially prepared leather strop in a chased container. Put up in an attractive nickel plated metal case with embossed cover and purple velvet and silk lining.
Silver plated razor, blade box and strop container.....Each, $5.00
One in a Box

AUTO STROP BLADES

Are carefully tested and finished by experts Each blade is contained in a moisture proof wrapper

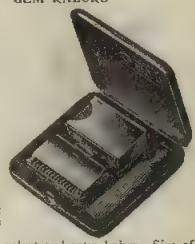
Auto Strop Blades Five in a package.....Per Package, $0.50
Twenty Four Packages in a Carton
Auto Strop Blades Ten in a Package.....Per Package, $1.00
Twelve Packages in a Carton

AUTO STROP STROPS

Are made from a fine grade of selected leather; has a special preparation worked into the strop which insures best results when used Strop Auto with an Razor.
No. X Size, 1½x14 inches.. Each, $0.50
No. XX Size, 1½x18 inches Each, 1.00
One in a Box

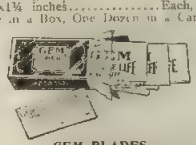
GEM RAZORS

Triumph Model



Consists of a triple nickeled brass Gem frame, knurled handle and blade box complete with five blades. Put up in a brightly nickeled case, flat cigarette case style with purple velvet and satin lining. Size of case, 3x3x⅝ inches ..... Each, $1.00
One in a Box; One Dozen in a Carton

Peerless Model Consists of a triple nickeled brass Gem frame, knurled handle and blade box complete with five blades Put up in a brightly nickeled brass case with purple velvet lining and metal lock. Size of case, 3½x2x1¼ inches.....Each, $1.00
One in a Box, One Dozen in a Carton



GEM BLADES

Are made of highest quality razor steel; have a strong reinforced convex edge, correctly tempered and ground
Gem Blades Put up 6 blades in a package .....Per Package, $0.50
Twenty Four Packages in a Carton

SHA-VE-ZEE BLADES

Are made of best razor steel, specially tempered, scientifically honed and stropped. Each blade wrapped separately in wax paper. Put up three blades in a package or twelve blades in a package.
Sha-Ve-Zee Blades Three in a package.....Per Card, $0.60
Twenty-Four Packages on a Card
Sha-Ve-Zee Blades Twelve in a package.....Per Box, $0.96
Twelve Packages in a Box

RAZORS

Hibbard, SPENCER, BARTLETT & CO.'S WARRANTED

Highest Quality Steel.

Hibbard, square point, hollow ground, oval rubber handle, file tang.

No. C1674—½ **in.** blade, per dozen $39.45

No. C1675—§ **in.** blade, per dozen $39.45

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, square point, hollow ground, crocus polished, flat rubber handle, double file tang.

Nos.	C383	C384	C385	C386
Blade, in.	⅝	¾	⅞	1
Per dozen	$42.20	42.20	42.20	42.20

HALF DOZEN IN A BOX

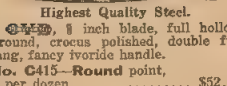
Highest Quality Steel.

Hibbard, square point, hollow ground file tang, oval rubber shaped handle.

No. C1654—½ **in.** blade, per dozen $44.45

No. C1655—§ **in.** blade, per dozen $44.45

HALF DOZEN IN A BOX



Highest Quality Steel.

Hibbard, § inch blade, full hollow ground, crocus polished, double file tang, fancy ivoride handle.

No. C415—Round point, per dozen $52.75

No. C425—Square point, per dozen $52.75

HALF DOZEN IN A BOX

Highest Quality Steel.

No. C1665 Hibbard—§ in. blade, square point, fine full hollow ground, crocus polished, fancy back, double file tang, flat rubber handle, per dozen $54.45

HALF DOZEN IN A BOX

No. C3035 Hibbard—§ in. blade, **bullet head square point,** extra hollow Hamburg ground, beautifully finished, mottled brown celluloid handle, w't per doz. 1¼ lbs., per dozen $46.65

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, § inch blade, extra hollow ground, oval rubber handle, file tang.

No. C3015—Square point, per dozen $30.00

No. C3025—Round point, per dozen $30.00

HALF DOZEN IN A BOX

Highest Quality Steel.

Hibbard, square point, extra hollow ground with file tang, flat amber celluloid handle,

No. C3043—§ **in.** blade, per dozen $35.00

No. C3045—§ **in.** blade, per dozen $35.00

HALF DOZEN IN A BOX

ANTISEPTIC, square point, hollow ground, flat rubber handle, double file tang.

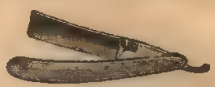
No. C1634—½ **in.** blade, per dozen $25.55

No. C1635—§ **in.** blade, per dozen $25.55

HALF DOZEN IN A BOX

No. C365—Improved Rattler, § in. blade, square point, extra hollow ground, oval black rubber handle, per dozen $23.35

HALF DOZEN IN A BOX



Highest Quality Steel.

Hibbard, full hollow ground, crocus polished, improved pearl tang, white ivoride handle, § in. blade.

No. C1815S—Square point, per dozen $66.65

No. C1815R—Round point, per dozen $66.65

HALF DOZEN IN A BOX

No. C505—Solid Comfort, § in. blade, full hollow ground, crocus polished, etched in gold, file tang, rubber handle ....per dozen $46.45

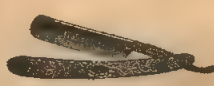
HALF DOZEN IN A BOX

MOHICAN, square point, extra hollow ground, crocus polished, double file tang, fancy ivoride handle,

No. C573—§ **in.** blade, per dozen $35.00

No. C575—§ **in.** blade, per dozen $35.00

HALF DOZEN IN A BOX



No. C585—Mohican, § in. blade, round point, extra hollow ground, crocus polished, double file tang, fancy ivoride handle, per dozen $35.00

HALF DOZEN IN A BOX

No. C1825 Hibbard—§ in. blade, square point, full hollow ground, crocus polished, improved pearl tang, flat rubber handle, per dozen $58.30

HALF DOZEN IN A BOX

Hibbard WARRANTED RAZORS

No. C965—America, ⅞ in. blade, square point, extra hollow ground, double file tang, etched in gold, oval rubber handle ....per dozen $32.75

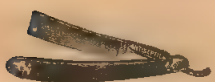
HALF DOZEN IN A BOX

No. C1145—Barbers' A1, ⅞ in. blade, square point, extra hollow ground, flat rubber handle, per dozen $28.35

HALF DOZEN IN A BOX

No. C1624—Yankee, ⅞ in. blade square point, hollow ground, double file tang, oval rubber handle, per dozen $29.45

HALF DOZEN IN A BOX



No. C1645—Antiseptic, ⅞ in. blade, square point, hollow ground, oval rubber handle with nickel tops, per dozen $36.65

HALF DOZEN IN A BOX

No. C1845—Blue Steel, ⅞ in. blade, square point, hollow ground, crocus polished, flat rubber handle, double file tang .....per dozen $44.45

HALF DOZEN IN A BOX

Hibbard WARRANTED RAZORS

"OUR DAISY," full hollow ground, etched in gold, double file tang, oval rubber shaped handle.

No. C444R—⅞ in. blade, **round** point .....per dozen $44.45
No. C445R—⅞ in. blade, **round** point .....per dozen $44.45
No. C445S ⅞ in. blade, **square** point .....per dozen $44.45

HALF DOZEN IN A BOX

"OUR MASCOTTE," square point, full hollow ground, file tang, oval rubber handle.

No. C794—⅞ in. blade, per dozen $43.30
No. C795—⅞ in. blade, per dozen $43.30

HALF DOZEN IN A BOX

No. C455—Golden Rod, ⅞ in. blade, hollow point, full hollow ground, etched in gold, fancy rubber handle, long file tang.....per dozen $56.10

HALF DOZEN IN A BOX

No. C915—⅞ in. blade, hollow point, full hollow ground, crocus polished, etched in gold, oval rubber handle, ivory tank .....per dozen $50.55

HALF DOZEN IN A BOX

RAZORS

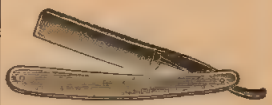
No. C578—Assorted, width ⅞ and ⅞ in. **round and square points,** plain **glazed and polished** blades, **hollow ground,** flat black celluloid handles .....per dozen $11.65

EACH RAZOR PUT UP IN AN INDIVIDUAL TELESCOPE BOX
ONE HALF DOZEN ASS'T IN A CARTON

GENUINE GUSTAV FELIX IMPORTED RAZORS

The finest quality that human skill and workmanship can produce. Made of the finest quality razor steel, forged ground, tempered and finished by the most expert cutlers, unconditionally recommended for barbers or private use. Fully warranted to give perfect satisfaction.

FULL HOLLOW HAMBURG GROUND



Made in Germany

⅞ in. blade, square point, full hollow ground, single file tang. Tang and back of razor is nicely gun metal finished blade is brightly polished.

No. C77—Gustav Felix flat white white bone handle, per dozen $80.00

ONE IN A TELESCOPED CASE, HALF DOZEN IN A BOX

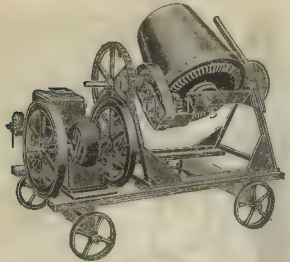
Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over seventy-two years' experience stands back of our brands.

CONCRETE MIXERS

LANSING, BRONCHO JR.



A popular mixer that can be easily moved from one job to another. Suitable for mixing common concrete, cinder concrete, top dressing, cement or lime mortar.

The three mixing wings are raised from the surface of the drum, doing away with the sharp angles that would catch concrete. A pail of water at the end of the day cleans the mixer.

A 1½ H. P. engine, magneto and draw pole or tongue is included with each mixer.

For Data see opposite column.

Each

No. 3BJM—Wt each about 1170 lbs..... ✤$510 00

LANSING, BRONCHO SPECIAL

The Broncho Special is a popular mixer which can easily be moved about from one job to another. It is a general utility machine and suitable for mixing common concrete, cinder concrete, top dressing or cement or lime mortar. The cost of operation is very small.

The engine and all sprockets and chain are completely housed in steel. With every mixer is included a 2 H. P. engine, steel housing and draw pole.

For Data see opposite column.

Each

No. 4B—Wt each about 1650 lbs..... ✤$714 00

✤F. O. B. Michigan Factory Only.

CONCRETE MIXERS

LANSING, WITH STANDARD WHEELBARROW HOPPER

The compact, sturdy, substantial construction of this mixer insures against its being racked to pieces in long hauls over country roads or city pavements.

All bearings supplied with compression grease cups. Guards over exposed working parts. Trucks finished in black paint, balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer.

For Data see below.

Each

No. 5WSWH—Wt each about 1800 lbs..... ✤$1011 00

DATA FOR LANSING CONCRETE MIXERS

	No. 3BJM	No. 4B	No. 5WSWH
Drum Capacity, Dry Material	3 cu. ft.	5 cu. ft.	5 cu. ft.
Drum Capacity, Wet Mixed Material	2½ cu. ft.	4 cu. ft.	4 cu. ft.
Drum Dimensions, Diameter	18 in.	36 in.	32 in.
Drum Dimensions, Width	24 in.	.....	31 in.
Drum Speed, R. P. M.	28	.....	18
Drum Openings, Diameter	18 in.	18 in.	12 in.
Batches per hour	20	27	40 to 60
H. P. of Engine	1½	2	2½
Discharge Hopper Gauge	14	.....	10
Skip Body and Hopper Gauge	14	.....	10
Main Frame	66x38 in.	66x42 in.	74x43 in.
Front Wheels	8 in.	16x3 in.	16x4 in.
Rear Wheels	10 in.	24x3 in.	24x3 in.

✤F. O. B. Michigan Factory Only.

SAFETY FUSE

For Dynamite and Blasting Powder.

Prices on application.

	List Price Per 1000 Ft
Cotton Fuse.	
No. 1C—For use in dry work only, very pliable. Will burn 1 ft in 30 seconds; wt 13 lbs per 1000 ft	✣$7 10
Beaver Fuse.	
No. 2B—For use in damp work and most agricultural blasting. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	7 00
Single Tape Fuse.	
No. 3ST—For use in damp work. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	7 70
Clover Fuse.	
No. 5CL—For use in wet work. Wt 20 lbs per 1000 ft	7 70
Anchor Fuse.	
No. 4A—For very wet work, a standard mining fuse. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	8 65
Double Tape Fuse.	
No. 5DT—For use in wet work. Wt 20 lbs per 1000 ft	8 65

Packed in cases; 1000 ft and 6000 ft in case.

CAP CRIMPER AND FUSE CUTTER

GOLD MEDAL

Only tool necessary for users of dynamite. Round end handle for punching cap holes; end cutter for crimping caps; side cutter for cutting off fuse; nickel plated steel.

Each

No. 1C—Length 5¾ ins $3 30

One in cardboard box.

BLASTING PAPER

BIG DRIVE

Superior waterproof paper.

Nos.	BD-9-1	BD-121-½	BD-12-5
Width, ins	9	12	12
Wt per roll, lbs	1	1½	5
Per 100 Lbs	✣$24 45	26 25	26 25

No. BD91 packed 25 and 100 rolls in case; balance packed loose.

HERCULES

Nos.	H9-1	H12-1½	H12-5
Width, ins	9	12	12
Wt per roll, lbs	1	1½	5
Per 100 Lbs	$19 20	19 20	✣$18 00

No. H9-1 packed 100 rolls in case; No. H12-1½ packed 50 rolls in bundle and No. H12-5 packed 5 rolls in bundle.

✣**Safety Fuse—F. O. B. Connecticut Factory Only.**

✣**Blasting Paper—F. O. B. Ohio Factory Only.**

CONCRETE MIXERS

ONE-MAN

Perfectly balanced and geared. Designed to offer contractors a mixer for use on small jobs saving the expense of operating a large motor driven mixer. Can be loaded from either front or rear. 16 gauge steel drum, painted grey, substantial cast iron base. Rigid steel frame, painted red. Constructed so that every part screws up to a shoulder thus giving strength and taking up lost motion. Two steel blades fastened on inside of drum facilitate mixing.

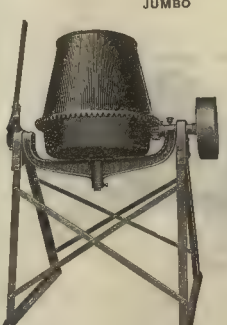
Can be used for mixing poultry and stock feed, fertilizer, etc., also for treating seed wheat, oats, barley, for smut, blight and other diseases and inoculating seeds like alfalfa, soy beans, clover, etc.

Each

No. 0M-1—Wt each 125 lbs $58 50

K D Packed loose.

JUMBO



18 gauge steel drum with grey iron casting and base, mounted on well braced angle iron frame, painted battleship grey. Made with 2 reversible stops on handle to permit holding drum at proper angle while loading and mixing also reverses mixer so that it may be loaded from either side to suit the convenience of operator. Designed to meet the requirements of the farmer or contractor who already has 1 H. P. or larger power equipment.

Each

No. 2N—Capacity drum 2½ cu. ft; diam pulley 12 ins, 3 in. face; loading height of drum 48 ins, discharge 24 ins ..... ✣$73 50

K. D. packed loose; shipping wt each 270 lbs.

✣**F. O. B. Michigan Factory Only.**

THE SHURE WINNER

Marble's Dagger Salesboard

No. P738

1000 Hole Dagger Knife Salesboard

5 High Grade Hunting Knives with 4½-inch blades of the finest steel. Handles made of sole leather, red and black fibre, brass bolster with aluminum tip complete with leather shield.

Per Outfit Complete **10.25**

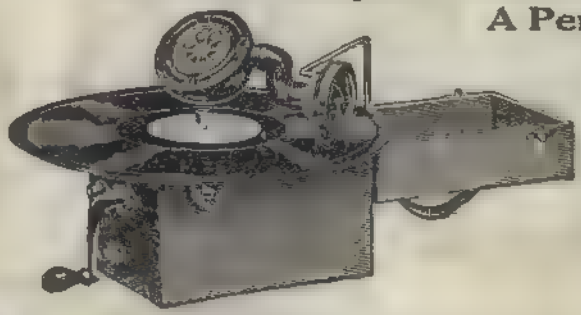
No. P54

Camera Phonograph Assortment

Per Outfit Complete 13.50

A Perfect Instrument

The World's Smallest Portable



Size 6 x 4 x 5¼
Weight 4 lbs. 2 oz.

Assortment
No. P. 54

—Consists of—

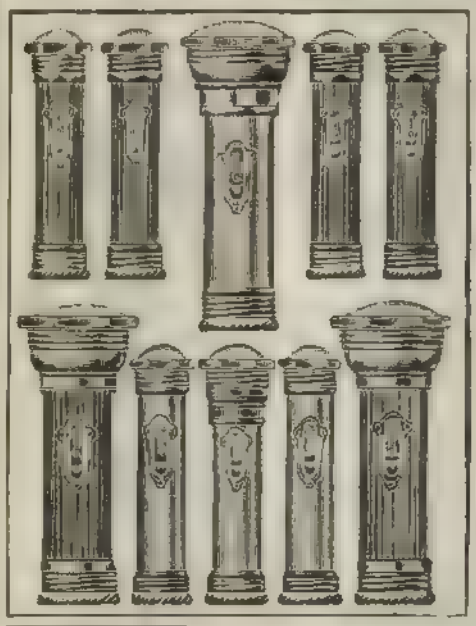
Three Camera Phonographs. Plays 10 and 12 in. Records

Perfect Sound Boxes

1200 Hole

5c Salesboard Included

Electric Flashlight Assortment



No. P70

Per Outfit Complete

10.75

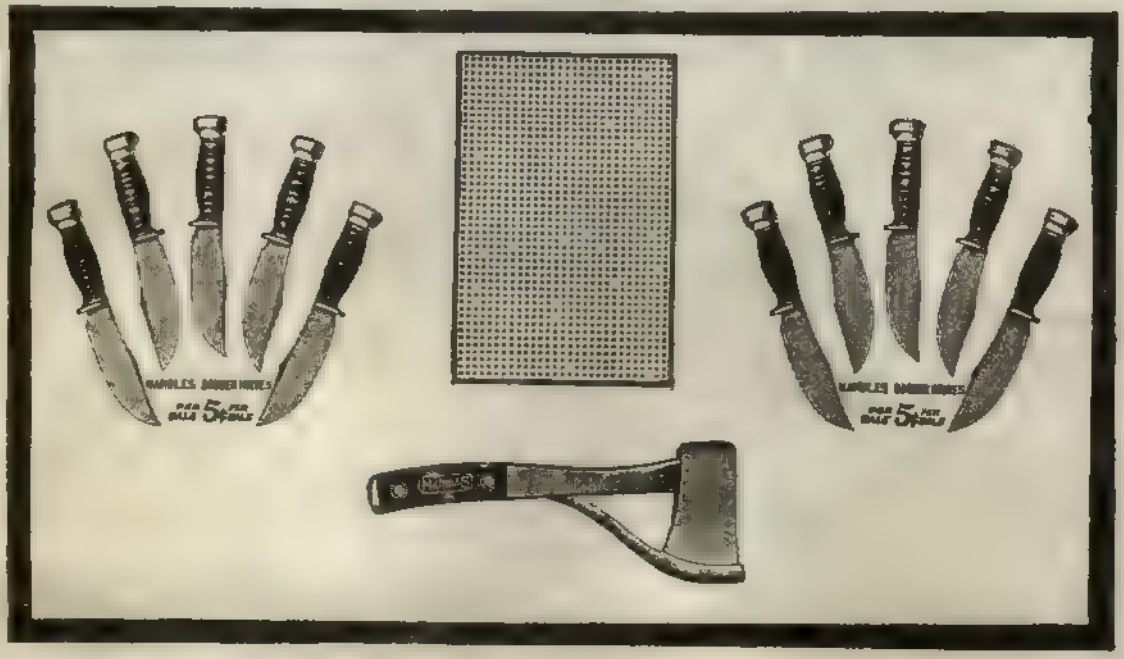
10 Articles

4 Baby Fibre Case Flashlights
2 Large Tubular Flashlights
2 Nickel Tubular Flashlights
1 Nickel Reflector Flashlight
1 Large Nickel Reflector Flashlight

Fastened on Velvet Display Pad

800 Hole 5c Salesboard Included

Hunting Knife Assortment



No. P739 **2000 Hole Dagger Knife and Axe Assortment** **Our Price 22.50**

10 high grade Hunting Knives with 4½-inch blades, sole leather handles, red and black fibre, brass bolster with aluminum tip, leather shield for each knife, 30-ounce axe, length 11 inches. Tempered tool steel blade. Nickel plated drop forged steel handle with hard rubber side plates. Folding guard.

IMPORTED DOLLS

CHINA LIMBED DOLLS

Cotton bottoms; stuffed with saw-dust; glazed china head; painted hair and features; china forearms and lower limbs.

Nos.	1408	1412
Height, ins	5½	9½
Wt doz, lbs	5	8
Per Doz	$2 40	6 00

One doz in box.

KIDLYNE—FULL JOINTED

White kidlyne washable body; jointed at hips, knee, shoulders and elbows; bisque head; moving eyes; open mouth; curly mohair wig; removable shoes and stockings.

No.	1219
Height, ins	17
Wt doz, lbs	23
Per Doz	$48 00

Nos.	1221	1224
Height, ins	19½	21
Wt per doz, lbs	30	35
Per Doz	$66 00	87 00

One-twelfth doz in cardboard box.

DOMESTIC DOLLS

DRESSED

Unbreakable composition head; stuffed body; dressed in middy and skirt; assorted colors.

Per Doz

No. 301—Height 12 ins. **$6 30**

One doz in cardboard box; wt per doz 6 lbs.

DRESSED

Unbreakable composition head; stuffed body; dressed in assorted colored cotton dresses; imitation stockings.

Per Doz

No. 306—Height 15 ins. **$12 75**

Half doz in cardboard box; wt per doz 11 lbs.

DOMESTIC DOLLS

MA-MA DOLLS

Composition head with painted eyes and features; cotton stuffed body; removable socks and slippers.

Dressed in assorted color figured crepe romper dress, collar, cuffs and bottom, finished off with different color material. White lawn cap peaked with same material to match dress.

Per Doz

No. 15—Height 12 ins **$24 00**

One twelfth doz in cardboard box; wt per doz 13½ lbs.

MA-MA DOLLS

Metal head with moving eyes; composition hands; cotton stuffed legs; removable socks and slippers.

Dressed in assorted color figured crepe romper dress; collar, cuffs and bottom, finished off with different color material. White lawn cap peaked with same material to match dress.

Per Doz

No. 30—Height 13½ ins. **$28 50**

Half doz in cardboard box; wt per doz 15 lbs.

MA-MA DOLLS, ROMPER RUTH

Composition head with painted eyes and features; cotton stuffed body; removable socks and slippers.

Dressed in rompers, assorted checked percale. Sun-bonnet of same material to match dress.

Per Doz

No. 19—Height 17½ ins. . . . **$39 00**

Half doz in cardboard box; wt per doz 27 lbs.

MA-MA DOLLS

Composition head, painted hair and eyes, composition arms and legs; excelsior stuffed body; removable socks and slippers.

Dressed in organdy with collar, cuffs and bottom finished with lace, bloomers and fancy cap to match dress, edge of cap trimmed with lace.

Per Doz

No. 20—Height 20½ ins . . **$45 00**

One twelfth doz in cardboard box; wt per doz 3¼ lbs.

DOMESTIC DOLLS

MA-MA DOLLS

Composition head, wig and painted eyes, composition arms and legs, excelsior stuffed body; removable socks and slippers.

Dressed in colored organdy with collar and cuffs finished with lace, white hem at bottom, bloomers and fancy cap to match dress.

Per Doz

No. 22—Height 21 ins . . **$60 00**

One-twelfth doz in cardboard box; wt per doz 34 lbs.

MA-MA DOLLS

Composition head with moving eyes, painted features; hair wig; composition arms and legs, excelsior stuffed body; removable socks and slippers.

Dressed in colored organdy with collar, cuffs and bottom finished with lace, two lace insertions running down front of dress, bloomers and fancy cap to match dress.

Per Doz

No. 32—Height 19 ins. . . . **$75 00**

One-twelfth doz in cardboard box; wt per doz 18 lbs.

MA-MA DOLLS

Composition head; arms and legs, wig and moving eyes, excelsior stuffed body; removable socks and slippers.

Dressed in colored organdy with collar and cuffs finished with lace, white hem at bottom, bloomers and fancy cap to match dress.

Per Doz

No. 33—Height 21 ins. . . **$93 00**

One-twelfth doz in cardboard box; wt per doz 30 lbs.

DOMESTIC DOLLS

MA-MA DOLLS

Composition head, painted hair and eyes, composition arms and legs; excelsior stuffed body; removable socks and slippers.

Dressed in organdy with collar, cuffs and bottom finished with lace, bloomers and fancy cap to match dress, edge of cap trimmed with lace.

Per Doz

No. 24—Height 24½ ins **$99 00**

One-twelfth doz in cardboard box; wt per doz 44 lbs.

MA-MA DOLLS

Composition head, hair, moving eyes with eyelashes, composition arms and legs; excelsior stuffed body; removable socks and slippers.

Dressed in colored organdy, collar trimmed with lace, cuffs and bottom of dress hemmed with blending color organdy, combination bloomers and slip to match hem of dress, cap made of same colored material as dress, peaked with same color material as cuff and bottom of dress is trimmed.

Per Doz

No. 34—Height 24 ins **$129 00**

One-twelfth doz in cardboard box; wt per doz 42 lbs.

K & K MA-MA DOLL

Composition unbreakable head with moving eyes and open mouth showing teeth; curly hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in fancy organdy dress of square and polka dot design in assorted colors; lace collar and cuffs. Large Tamo Shanter hat of same material to match dress.

Per Doz

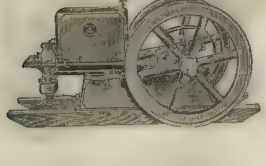
No. 48—Height 20½ ins **$186 00**

One-twelfth doz in cardboard box; wt per doz 48 lbs

KEROSENE ENGINES

FULLER & JOHNSON

Model "KA"—Throttling Governor.



3, 5, 7, 9 and 12 Horse Power.

Well adapted for electric lighting plants, for use on the farm, in shops, elevators, mills, creameries, etc., or on concrete mixers, balers, etc. Has new and improved throttling governor; extra heavy fly-wheels which further insure constant, steady power, so essential for operating the electric dynamos, cream separators, etc.

Painted and striped in gold and are mounted on substantial hardwood skids. They may easily be skidded from place to place, or installed as stationary engines. If it is desired to mount the engine on a hay baler, well drill, concrete mixer, or other machine, simply remove the skids as the engine is self-contained, that is, the engine is hopper cooled with no pipes or screens, and the fuel tank is mounted in the full base and connected to the mixer above the base line.

3, 5 and 7 H. P. engines equipped with built in low tension gear driven magneto. 9 and 12 H. P. equipped with starting battery in addition to magneto. Will run on kerosene, benzine, naptha, distillate, motor spirits or gasoline.

Furnished with a heavy galvanized fuel tank; a machine turned pulley, which fits on either side of the engine; a good muffler; a sight feed lubricator; large grease cups for the bearings; a full set of dry batteries, and a water-proof spark coil, all wired up and packed in a good battery box, painted; all necessary wrenches; oil can; priming cup; starting crank (except on 12 H. P.); a can of oil; a can of grease; and a complete book of instructions.

Pulleys other then those specified below can be furnished, charge being made according to the size of the pulley.

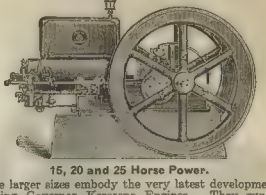
Nos.	3KA	5KA	7KA	9KA	12KA
Horse Power	3	5	7	9	12
Rev. per min	475	450	400	385	325
Diam fly-wheel, ins	22	26	32	36	42
Size pulley, ins	8x4	12x6	16x8	18x8	18x8
Cap. fuel tank, gal	2¾	5½	7	10	14
Floor space, ins	35x43	40x52	44x63	48x66	46x80
Shipping wt, lbs.	575	825	1200	1750	2350
Each	✣$324 00	✣474 00	✣675 00	✣654 00	✣1383 00

✣F. O. B. Wisconsin Factory Only.

KEROSENE ENGINES

FULLER & JOHNSON

Model "K"—Throttling Governor.



15, 20 and 25 Horse Power.

These larger sizes embody the very latest developments in Throttling Governor Kerosene Engines. They run very smoothly and quietly and at a uniform, steady speed, with a big surplus of power. They operate perfectly on kerosene. Especially suited for installation in creameries, feed mills, grain elevators, electric light plants, etc.

Regularly equipped with fuel pump so that the large fuel tank may be placed outside the building.

Each engine is furnished with plain pulley; exhaust pot (or muffler when ordered); starting battery; coil, switch; built in, low tension magneto; water gauge; wrenches; cylinder oiler; grease cups; priming cup; supply of cylinder oil and cup grease; oil can; 53 gallon outside connected tank with sufficient pipe to connect tank 30 feet from engine.

Pulleys other than those specified below can be furnished, charge being made according to the size of the pulley.

Nos.	15K	20K	25K
Horse Power	15	20	25
Rev. per minute	300	280	260
Diam fly-wheel, ins	48	52	58
Size pulley, ins	20x12	20x12	20x12
Floor space, ins	55x84	60x96	60x100
Ship wt, lbs	3400	4400	5000
Each	✣$1536 00	✣1920 00	✣2160 00

Crated.

GASOLINE ENGINES

FULLER & JOHNSON

MODEL N B, With Wico High Tension Magneto.

Operates perfectly on gasoline and can be used with equally good results on motor spirits or No. 1 engine distillate, otherwise same as kerosene engine.

Nos.	On Skids — 1½NB	2NB	On Iron Sub Base 3NB
Horse Power	1½	2	3
R. P. M.	600	600	550
Diam fly-wheel, ins	14	18	22
Size pulley, ins	4x4	4x4	6x4
Capacity fuel tank, gals	1½	1½	2¾
Floor space, ins	21x26½	24x32	35x43
Shipping wt, lbs.	210	265	400
Each	✣$190 50	✣198 00	✣258 00

Nos.	On Iron Sub Base. 4NB	6NB	8NB	10NB	12NB
Horse Power	4	6	8	10	12
R. P. M.	500	475	425	400	325
Diam fly-wheel, ins	22	26	32	36	42
Size pulley, ins	8x4	12x6	16x8	18x8	18x8
Cap. fuel tank, gals	3	5½	6¾	8¾	14
Floor space, ins	35x43	40x52	44x63	48x66	46x80
Ship wt, lbs.	525	800	1200	1650	2300
Each	✣$345 00	✣456 00	✣653 00	✣879 00	✣1245 00

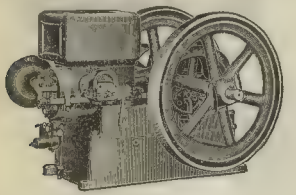
✣F. O. B. Wisconsin Factory Only.

KEROSENE ENGINES

MONARCH LINE

Scientifically designed for a general utility power unit. Heavy enough to withstand any strain, light enough to be easily handled. Throttling governor regulates fuel supply and keeps the engine running at a uniform speed. They are primarily a Kerosene burning engine, but will operate on gasoline with equal satisfaction, developing the same horse power and utilizing a like amount of fuel.

All parts easily accessible for inspection and repair. Every part uniform and interchangeable.

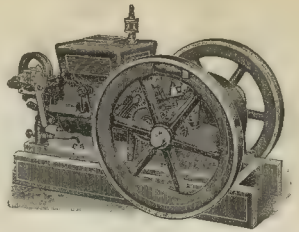


3, 5 and 7 Horse Power.
With Webster Oscillating Magneto.

Nos.	K3CAM	K5DBM	K7FBM
Horse power	3	5	7
Speed	450	430	380
Bore, ins	4½	4¾	5½
Stroke, ins	6	8	10
Pulley, ins	8x6	12x6	14x8
Diam fly-wheel, ins	21	26	36
Wt fly-wheel, lbs	81	142	260
Diam shaft, ins	1 15/16	1¾	2
Floor space, ins	24x38	26x40	35x58
Ship wt each, lbs	480	690	1200
Each	✚$216 00	✚$295 50	✚$435 00

GASOLINE ENGINES

MONARCH LINE



(Showing Engine on Skids)

1¾ AND 3 H. P. ENGINE
With Webster Oscillating Magneto.

Fitted with the well known Webster Oscillating Magneto, which requires no batteries and is equipped with a self starter.

	On Skids		On Iron Sub-Base
Nos.	1¾NM	3CM	3CMIB
Horse Power	1¾	3	3
Bore, ins	3½	4½	4½
Stroke, ins	5	6	6
R. P. M., normal	500	450	450
Size of pulley, ins	4x4	8x6	8x6
Diam of fly-wheel, ins	17	21	21
Wt of fly-wheels, each, lbs	94	81	81
Diam shaft for pulley, ins	1¼	1 15/16	1 15/16
Floor space, ins	40x20	38x24	50x24
Wt each on skids, lbs	260	425	465
Each	✚144 00	✚201 00	✚216 00

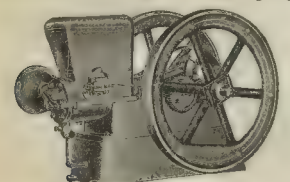
Crated.

GASOLINE ENGINES

MONARCH LINE

5 AND 7 H. P. ENGINE, With Webster Oscillating Magneto.

The carburetor or mixer, by virtue of its special design, insures perfect regulation in the supply of gasoline. Fitted with the well known Webster Oscillating Magneto which as to its efficiency and reliability.



(Showing Engine on Iron Sub-Base.)

Horse power	5	7
Bore, ins	4¾	5½
Stroke, ins	8	10
R. P. M., normal	430	380
Size of pulley, ins	12x6	14x8
Diam of fly-wheel, ins	26	36
Wt of fly-wheels, each, lbs	142	250
Diam of shaft for pulley, ins	1¾	2
Floor space, ins	45x26	58x35
Wt on skids, lbs	630	1110
Wt on iron-sub-base, lbs	690	1200
On Skids—Nos.	5DM	7FM
Each	✚$283 50	✚420 00
On Iron Sub-Base—Nos.	5DMIB	7FMIB
Each	✚$291 00	✚432 00

Crated.

TRUCKS

FOR MONARCH GASOLINE ENGINES

Strong, safe and reliable; built to meet the demand of the best trade.

Nos.	10PT	5TP
For engines, H. P	1¾	3 or 5
Height wheels, ins	8	12
Wt each, lbs	40	120
Each	✚$10 05	✚24 60

Shipped loose.

✚F. O. B. Michigan Factory Only.

D 4

HAND POWER ELEVATORS

(For general description see preceding page).

HOW TO ORDER

Lifting capacity wanted.....
Size of hatchway (we build platform to fit).....

Elevators larger than standard size, see price for additionals.

Style of platform (see diagrams below).....
How many stories high is building (see diagrams below).....
Does car run in enclosed or open hatchway.....
Kind of business to be used for.....

Give the height of each story from top of floor to top of next floor above.

Sub-basement to Basement.....
Second floor..... to Third floor.....
to First floor.....
Fourth floor..... (To underside of roof timber.)

These diagrams indicate the different locations of guide posts in hatchway. State which would be best suited to your building.

Please make answers as complete as possible, and we will then be able to submit estimates for the elevator work best adapted to your requirements. When convenient make sketch of ground plan of building, showing position of hatchways, etc.

Single Sheave, Capacity 1000 Lbs.

Each

No. 4—Height 26 ft; platform not exceeding 20 sq ft..... ✚$652 80

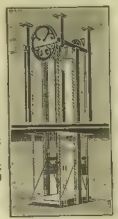
Shipping wt 2200 lbs

Per Sq Ft

Additional sq ft of platform✚$4 20

Per Ft

Additional ft in height..... ✚$8 40



Sheave, Capacity 2000 Lbs.

Each

No. 2—Height 26 ft; platform not exceeding 36 sq ft..... ✚$925 65

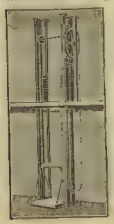
Shipping wt 2800 lbs.

Per Sq Ft

Additional sq ft of platform..... ✚$4 20

Per Ft

Additional ft in height..... ✚$8 40



Combination Sheave, Capacity 2000 Lbs.

Each

No. 3—Height 26 ft; platform not exceeding 36 sq ft..... ✚$925 50

Shipping wt 2800 lbs.

Per Sq Ft

Additional sq ft of platform..... ✚$4 20

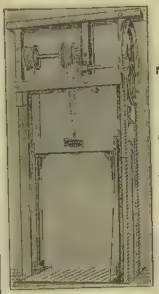
Per Ft

Additional ft in height..... ✚$8 40

✚F. O. B. Kentucky Factory Only.

HAND POWER ELEVATORS

(For general description see preceding page).



Roller Bearings, Capacity 2500 Lbs.

Each

No. 11—Height 26 ft; platform not exceeding 36 sq ft..... ✚$1140 40

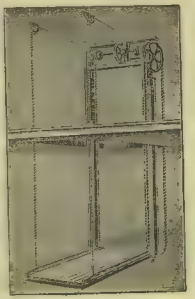
Shipping wt 3000 lbs

Per Sq Ft

Additional sq ft of platform✚$4 20

Per Ft

Additional ft in height..... ✚$8 40



AUTOMOBILE OR CARRIAGE ELEVATORS

Capacity 3000 Lbs.

Each

No. 12—Height 26 ft; platform not exceeding 84 sq ft..... ✚$1244 40

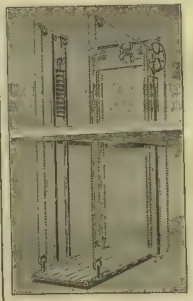
Shipping wt 4200 lbs.

Per Sq Ft

Additional sq ft of platform..... ✚$4 20

Per Ft

Additional ft in height..... ✚$12 75



AUTOMOBILE OR CARRIAGE ELEVATORS

Capacity 5000 Lbs.

Each

No. 13—Height 26 ft; platform not exceeding 84 sq ft..... ✚$1509 60

Shipping wt 4800 lbs.

Per Sq Ft

Additional sq ft of platform..... ✚$4 20

Per Ft

Additional ft. in height..... ✚$14 70

✚F. O. B. Kentucky Factory Only.

DUMB WAITERS

NEW YORK SAFETY

The accompanying cut illustrates method of attaching fixtures so that the weight may be at the back. The method of attaching brake grip on the under side of the shelf to which the fixtures are attached is also shown.

Place the brake grip in such a position that the hand rope which elevates the car will run through it. To apply the grip, pull the small cord which hangs down the well. To release it, pull down on the hand rope which will cause grip to drop off. To have a smooth, easy working dumb-waiter, overcome friction in every place possible.

Fixtures Only.

One size only. Suitable for all well holes under 24 inches square, not larger. The wheels should be placed on top of car so that weight of car shall be lifted from the center in all cases. They can be placed diagonally if necessary to accomplish this. Counter weight should weigh about the same as the combined weight of car and the two wheels on top, not less. Always use flat counter weights, which can be run in guides or box as desired. For stringing use pliable cotton rope, for operating ½ inch; for safety, ¾ inch; and for brake, ¼ inch. Samples of rope sent with each set.

Per Set

No. 25—Fixtures only, without weights..... ✣$99 00

Packed one set in wood box; wt per set 65 lbs.

Dumb Waiters, Complete Car and Fixtures.

Per Set

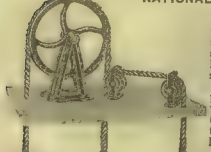
No. 26—New York Safety dumb waiters complete with No. 1 car described on following page, counter weight, guide runs, weight runs, and all rope for first 10 ft of travel..... ✣$315 00

Per Ft

For each additional foot in height add..... ✣$2 70

Fixtures complete in wood box; wt per set 375 lbs.

NATIONAL



Adapted to all places where 30 pounds or less are to be carried. Not suitable for use in wells larger than 18 inches square.

The illustration is a perspective view of the wheels which go at the top of the well, arranged to have the weight at the left.

Hoist wheel 12 inches in diameter, the idler 4 inches, the operating wheels 8 inches.

Per Set

No. 20—Fixtures only, without weights..... ✣$43 50

One set in wood box; wt per set 35 lbs.

Per Set

No. 21—Complete with car, counter weight, guide runs, weight runs, and all rope for 10 ft of travel; wt per set 170 lbs..... ✣$216 00

Per Ft

For each additional foot in height add..... ✣$2 55

Fixtures complete in wood box.

✣F. O. B. New Jersey Factory Only.

DUMB WAITER CARS

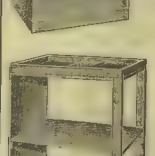
Prices on application.

Each

No. 1—Made of whitewood, with two stationary shelves. Size from 16x16 to 24x24 ins, usual height 36 ins..... ✣

No. 2—Made of ash, with one loose shelf, so as to admit of carrying a barrel of flour, etc. Sizes from 20x20 ins to 32x32 ins, usual height 36 ins..... ✣

Crated.



Prices on application.

Each

No. 32—Made of ash, with one loose shelf, so as to admit of carrying a barrel of flour, etc. Open on three sides. For use with double face fixtures. Sizes from 20x20 ins to 32x32 ins..... ✣

Crated.

HAND POWER ELEVATORS

Reliable and Easy Working.

Platform No. 2 and 3 are suspended by two standard wire cables, thereby equally distributing the load on the platform on the two wire cables. This is a great saving to the cables and other parts and gives greater safety and longer wear. The same plan is followed in wheels overhead, which are placed on ends of main shaft close to bearings. The cables are led direct from the platform over the cable sheaves at the top of the hatchway and down again to the counter balance weights without the use of idlers or drums; thus reducing the friction to a minimum. In the event of one of the cables breaking, the second cable is amply strong to hold the load on the platform. Is furnished with a screw brake so arranged as to stop platform at any point of travel, and will firmly hold the load and also permit the operator to control the speed of platform while descending.

Whenever the top floor of a building is less than 11 feet 6 inches, use the Combination Sheave Elevator, as by comparing the cuts, you will note on Sheave Elevator that pulling wheel or sheave is at the front of hatch, and is approximately 5 feet in diameter. Therefore a regular sheave elevator cannot be used where the ceilings are low on account of insufficient clearance way for persons to pass underneath.

We are therefore recommending the Combination Sheave Machine to be used with pulling sheave at side as an elevator should have no less than 6 feet from top of floor to underside of pulling sheave.

The Combination Sheave Elevator is also used to good advantage when the size of the platform is over 5 feet 6 inches in width.

We give full directions and erecting plan with each machine to parties outside of the city, so there will be no difficulty in putting up the elevator. Any average mechanic can put up same by following our directions. (See following page.)

✣F. O. B. New Jersey Factory Only.

RANGETTES

ODIN

Body is made of heavy blue forged steel, with star shaped and drilled burners. Oven bottom is of heavy reinforced steel lined with asbestos. Galvanized iron dirt tray. White porcelain oven door panel. Japan finish cooking top, grates, burners, door frame, hinge box and legs. Nickel plated manifold and mixer covers.

No.	1300	1400
No. of Burners	3	4
Size of Top, In.	26x12	26x25
Size of Oven, In.	16x11½x12	16x12x16½
Height, In.	31½	31½
Weight, Lbs.	85	97
Each	$20.69	24.89

Blue forged steel main oven sides and back. Star shaped and drilled burners. Oven bottom is of heavy reinforced steel lined with asbestos. White porcelain oven door panel, dirt tray front frame, front legs and broiler pan. Japan finish cooking top, grates, burners and back legs. Nickel plated manifold, hanger caps, mixer cover and door frame.

No. 2305 No. of burners, 3; size of top, 26x12 in.; size of oven, 16x11½x12 in.; height, 31½ in.; weight, 90 lbs. . Each, **$32.38**

No. 2300 Same as No. 2305 except finish. Blue forged steel body. Galvanized iron dirt tray. White porcelain door panel. Japan finish cooking top, grates, burners, door frame, hinge boxes and legs. Nickel plated manifold and mixer cover. . . . . Each, **$23.85**

GAS RANGES

ODIN CABINET

Blue forged sheet steel body. White porcelain oven and broiler panels. Japan finish cooking top, shelf, grates, burners, front, legs, oven, broiler, doors. Nickel plated manifold, shelf bracket and mixer covers. Black broiler pan. Galvanized iron dirt tray. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shape and drilled burners, adjustable stop cocks.

No. 740 Height of cooking top, 32 inches; height overall, 39 inches; size of cooking top, less shelf, 20x20 inches; size of baking oven, 14x12x19 inches; size of broiling oven, 14x6x19 inches; width on floor, 37 inches; depth on floor, 20 inches, weight, 165 lbs. . . . . Each, **$40.35**

Blue forged sheet steel body. White porcelain side and back splash, oven and broiler door panels, dirt tray and broiler pan Japan finish cooking top and shelf, grates, burners, front, legs, oven and broiler doors Nickel plated manifold, shelf bracket and mixer covers. Oven bottom and linings are finished in rust and heat resisting aluminum finish. Three single and one giant, star shape and drilled burners, adjustable stop cocks

No. 742 Same dimensions as No. 740. . . . . Each, **$47.40**

GAS RANGES

ODIN CABINET

Blue forged steel main oven side and fire box wall. White porcelain back top rail, main oven top, shelf, side and back splash, door panels, dirt tray, broiler pan and door handles. French gray front, oven and broiler doors, band, front legs and fire box wall post. Japan finish cooking top and shelf, burners, grates and back legs. Nickel plated shelf bracket, manifold, hanger caps and mixer covers. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shaped and drilled burners, adjustable stop cocks.

No. 7458 Height of cooking top, 32 inches; height overall, 39 inches; size of cooking top, less shelf, 20x20 inches; size of baking oven, 14x12x19 inches; size of broiling oven, 14x6x19 inches; width on floor, 37 inches; depth on floor, 20 inches; weight, 170 lbs. . . . . Each, **$60.25**

White porcelain back top rail, main oven top, shelf, side and back splash, front, door panels, fire box wall, dirt tray, broiler pan, fire box wall post, legs and door handles. Japan finish cooking top, shelf, grates and burners Nickel plated oven and broiler door frames, manifold, hanger caps, shelf bracket, leg band and mixer covers. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shape and drilled burners, adjustable stop cocks.

No. 7433 Same dimensions as No. 7458. . . . Each, **$68.05**

Note: Left hand ovens always shipped unless right hand is specified.

GAS RANGES
ODIN CABINET

Cut shows No. 500

Blue forged sheet steel body. White porcelain oven and broiler door panels. Japan finish cooking top and shelf, grates, burners, broiler door, front and legs. Nickel plated, manifold, shelf bracket, oven door and mixer covers. Black broiler pan. Galvanized iron dirt tray. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shape and drilled burners, adjustable stop cocks.

No. 560 Height of cooking top, 32 inches; depth of cooking top, 20 inches, width of cooking top, less shelf, 20 inches; size of baking oven, 16x19x12 inches; size of broiling oven, 16x19x6 inches; width on floor, 41 inches; weight, 185 lbs. .....Each, **$43.06**

No. 562 Same as No. 560 except has white porcelain side and back splash, oven and broiler door panels, dirt tray and broiler tray . Each, **$50.75**

Blue forged steel main oven side and fire box wall. White porcelain back top rail, main oven top, shelf, side and back splash, door panels, dirt tray, broiler pan and door handles. French gray front, oven and broiler doors, band, front legs and fire box wall post. Japan finish cooking top and shelf, burners, grates and back legs. Nickel plated shelf bracket, manifold, banger caps and mixer covers. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shape and drilled burners, adjustable stop cocks.

No. 5658 Same dimensions as No. 560 ....Each, **$63.63**

GAS RANGES
ODIN CABINET

White porcelain back top rail, main oven top, shelf, side and back splash, front, door panels, fire box wall, dirt tray, broiler pan, fire box wall posts, legs and door handles Japan finish cooking top, shelf grates and burners. Nickel plated oven and broiler door frames, manifold, hanger caps, shelf bracket, leg band and mixer covers. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shaped and drilled burners, adjustable stop cocks.

No. 5633 Height of cooking top, 32 inches; depth of cooking top, 20 inches, width of cooking top less shelf, 20 inches size of baking oven, 16x19x12 inches; size of broiling oven, 16x19x6 inches; width on floor, 41 inches, weight, 195 lbs. Each **$72.51**

White porcelain back top rail, main oven top, shelf, side and back splash, front, door panels, fire box wall, dirt tray, broiler pan, fire box wall post, legs and door handles, Japan finish cooking top, shelf, grates and burners. Nickel plated oven and broiler door frame, manifold, hanger caps, shelf bracket, leg band and mixer covers. Oven linings and bottom are finished in rust and heat resisting aluminum finish. Three single and one giant, star shaped and drilled burners, adjustable stop cocks.

No. 6633 Height of cooking top, 32 in., depth of cooking top, 20 in.; width of cooking top, less shelf, 20 in.; size of baking oven, 16x12x19 in.; size of broiling oven, 16x9x19 in.; width on floor, 41 in., weight, 215 lbs. .....Each, **$78.66**

OVEN HEAT REGULATORS
WILCOLATOR

For Use On Odin Cabinet Ranges

Is a simple device that absolutely measures and controls the heat of the oven in baking and roasting. Takes all the guesswork out of baking. The dial of the Wilcolator is marked with different temperatures showing the temperature for baking each kind of food. Any Odin range can be equipped at the factory with the Wilcolator.

Wilcolator Oven Heat Regulator..... .. .. Extra, Each, **$21.60**

HIGH SHELVES
ODIN

For Odin Rangettes.

For use with rangettes Affording protection to the walls and affording added space for kitchen utensils. Made of the best blue forged steel with nickel brackets and top corners. Also in full white porcelain nickel trimmed.

Polished Steel

No.	1300S	1400S	2300S
For Rangettes, No. ..	1300	1400	2300
Each	$5.00	4.25	5.00

White Porcelain

No.	1305S	1405S	2305S
For Rangettes, No...	1300	1400	2305
Each	$8.90	7.30	8.90

Note: Left hand ovens always shipped, unless right hand is specified.

RADIO ACCESSORIES AND PARTS

—OLD KENTUCKY HOME—CONSOLE TYPE LOUD SPEAKERS

Five-ply veneered American black walnut case, turned columns and shaped stretchers, black walnut lacquer rubbed finish. Constructed with the famous acoustical fibre horn with bell opening 23½x18½ inches. Special design air column 85 inches in length reproducing music and particularly the low tones with mellowness, the unit design and horn wall construction losing none of the frequencies for definitions and distinctiveness. This type speaker incorporates the ultimate that has been obtained in the long horn performance coupled and matched with proper unit design.

Equipped with the original Baldwin concert unit scientifically balanced so as to obtain uniformity of response throughout the frequency range. The performance is comparable to that obtained in recently developed high grade musical reproducers, particularly noticeable in the care of rich, deep tones.

Each

No. OKH-T—Height over all 31¼ ins; depth 17¼ ins; width 31¼ ins **204 30**
Crated; shipping wt each 105 lbs. *$100 00*

—OLD KENTUCKY HOME—

Removable non-vibrating moulded composition gooseneck horn and cast metal base. Constructed with full floating Baldwin concert grand unit. Complete with 5 feet of extension cord and binding post connectors. Height over all 22 inches; diameter bell 15 inches; diameter base 8 inches.

Each

No. OKH-M—Mahogany finish **61 11**
$27 50
No. OKH-W Walnut finish **61 11**
$27 50
No. OKH-L—Imitation leather finish **44 55**
$20 00
One in carton; wt each 9 lbs.

RADIO ACCESSORIES AND PARTS

LONG DISTANCE

Aluminum gooseneck horn, wine gold crystalline lacquer finish; dark mahogany finish bell; felt covered base. The duralumin horn of swan like proportions bring out the full depth of tone. Equipped with 5 feet of cord and lever for adjusting the tone.

Each

No. LDLS—Height 20½ ins; diam bell 14 ins **33 00**
One in carton; wt each 6 lbs. *$15 00*

BALDWIN

For small rooms in homes, offices and amateur stations. Heavy fibre, bell shape horn, satin finish; metal base, black finish. Equipped with five foot extension cord. Height 23 inches; diameter horn 14 inches.

No.	SB-14
1 to 6, Each	45 00
7 or more, Each	43 95
One in carton; wt each 10 lbs.	*$22 50*

BRANDES "Type H"

Heavy fibre semi-gooseneck horn, dark green finish. Large diaphragm adds to the low range of speaker improving reproduction over full frequency range from 200 to 4000 cycles per second. Provided with thumb screw for adjusting. Equipped with 5 foot extension cord with plug attached.

Each

No. 600—Height 26¼ ins; diam horn 12¼ ins **35 70**
One in carton; wt each 11 lbs. *$18 00*

TOWER MEISTERSINGER

Cast iron base and special non-vibrating metal goose neck, finished in wine gold crystalline lacquer; bell of horn finished in rich mahogany. Complete with five foot extension cord. Diameter horn 14 inches.

No.	MLS
1 to 11, Each	28 50
12 to 23, Each	27 75
24 or more, Each	27 00
	$15 00

One in carton; wt each 6 lbs.

LOUD SPEAKER, MUSIC MASTER

Has undoubtedly the clearest tone of all Radio Loud Speakers. Heavy cast aluminum tone chamber; bell shaped horn made of violin wood. Art metal base, felt pad. Equipped with 5 foot extension cord.

Each

No. MMVI—Home model, 21 inch horn; ship wt each 14 lbs **61 11**
$27 50
No. MMVII—Concert model, 21 inch horn; ship wt each 17 lbs **78 00**
One in carton. *35 00*

RADIO ACCESSORIES AND PARTS

TOWER SCIENTIFIC LOUD SPEAKER

Heavy fibre horn, finished in black crystalline lacquer; nickel plated ferrule; equipped with adjustable reproducing unit with polished aluminum case and five foot tinsel cord. Diameter horn 10 inches.

No.	TSLS
1 to 11, Each	16 11
12 to 23, Each	15 81
24 or more, Each	15 51
List, Each	*$3 50*

One in carton; wt each 5 lbs.

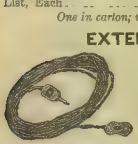
LITTLE SPITFIRE LOUD SPEAKER

Heavy fibre horn, finished in black crystalline lacquer. Metal base, equipped with adjustable unit. Diameter horn 8½ inches.

No.	LSLS
1 to 11, Each	9 90
12 to 23, Each	9 60
24 or more, Each	9 36
List, Each	*$4 95*

One in carton; wt each 4 lbs

EXTENSION CORDS



FOR LOUD SPEAKERS

Consists of 20 feet of silk covered cord equipped with composition plug connector and cord tip jack. Each

No. 1200E—Wt each 3½ lbs... 4 20

One in cardboard box. $3 00

PHONOGRAPH ATTACHMENT

Equipped with adjustable unit with nickel ferrule. Designed to fit Victor, Columbia, Pathe, Vocalion, Standard, Sonora, Silvertone, Edison and Jewel tone arm.

No.	TPA
1 to 11, Each	7 35
12 to 47, Each	7 11
48 or more, Each	6 87
List, Each	*$3 95*

One in cardboard box; wt each 1½ lbs.

PHONOGRAPH UNITS, UNIVERSAL NATHANIEL BALDWIN

Extra heavy diaphragm, will not rattle or crack. Can be attached to horn of any phonograph. Each unit is mounted on a metal base, felt padded. Baked black enameled finish.

Height 3½ inches; diameter base 2⅝ inches.

No.	LSU
1 to 9, Each	18 00
10 or more, Each	17 55
List, Each	*$9 00*

One in cardboard box; wt each 1½ lbs.

LOUD SPEAKER UNITS NATHANIEL BALDWIN

Diaphragm will not rattle or crack. Equipped with attachment device designed so that anyone can make his own loud speaker by attaching unit to horn.

Diameter of diaphragm 2½ inches; complete with 5½ feet cord. Each

No. SLS—Metal diaphragm 18 00

$3 00

One in cardboard box; wt each ¼ lb.

RADIO ACCESSORIES AND PARTS

LOUD SPEAKER UNITS BRANDES, Cabinet Type.

Has large diaphragm which adds to the low range and improves reproduction over the full frequency range of 200 to 4000 cycles per second; adjustable cog gear.

	Each
No. CU—Diam 3 ins	15 00

One in carton; wt each 1½ lbs. $3 00

HEAD TELEPHONE SETS TOWER SCIENTIFIC With Cord.

Light weight metal shell, with two coils securely fastened to shell and held rigid at six points. Headbands are made of specially woven material, soft and pliable, giving necessary support without extra weight or uncomfortable pressure.

No.	TSHS
1 to 11, Each	5 25
12 to 47, Each	5 04
48 or more, Each	4 86
List, Each	*$2 95*

One in cardboard box; wt each 1¼ lbs.

Baldwin Double, With Cord.

Manufactured by Nathaniel Baldwin, Incorporated, under the personal supervision of the inventor, Nathaniel Baldwin.

The Baldwin mica diaphram radio telephone headsets are the nearest to perfection among electro-magnetic receivers. They are used by the U. S. Navy and war Departments and by many foreign governments and private operators. No. CHS has large diaphragm, 2⅝ inch in diameter, standard resistance. No. GHS has a special diaphragm seat.

Nos.	CHS	GHS
1 to 9, Each	20 04	24 00
10 or more, Each	19 50	23 40
List, Each	*$10 00*	*12 00*

One in carton; wt each 1½ lbs.

BRANDES, MATCHED TONE

Superior Type Headset With Polarity Indicating Cord.

No.	100
1 to 24, Each	9 90
25 or more, Each	9 00
List, Each	*$5 00*

Navy Type Headset With Shielded Radio Frequency Cord.

No.	200
1 to 5, Each	12 00
6 or more, Each	10 80
List, Each	*$6 00*

LITTLE SPITFIRE, With Cord.

Light weight metal shell, with two coils securely fastened to shell and held rigid at six points. Headbands are made of specially woven material, soft and pliable, giving necessary support without extra weight or uncomfortable pressure.

No.	LSHS
1 to 11, Each	3 90
12 to 47, Each	3 75
48 or more, Each	3 60
List, Each	*$1 95*

One in cardboard box; wt each 1 lb.

"PAGOMA" PLANES.

"PAGOMA" Planes Have the Same High Standard of Quality as the Balance of Our "Pagoma" Line. Every Care is Taken to Preserve This Standard and we Guarantee Every Item Bearing This Brand to be Satisfactory and Free From Defects in Material and Workmanship.

FULLY WARRANTED.

IRON BOTTOM.

Black Enameled Cast Iron Frame Face of Bottom and Sides Ground True and Smooth. Cherry Varnished Hardwood Handle and Knob. Finest English Tool Steel Cutters, Oil Tempered. Ground and Honed by Hand. Full Polished Cap and Cutters.

Smooth Bottom.

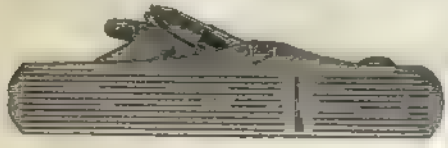
NOS	3	4	4½
Style	Smooth	Smooth	Smooth
Length	8	9	10 in
Cutter	1¾	2	2⅜ in.
Weight each	3	3½	5¼ lbs.
List each	$4.60	5.00	5 80
Net each	$4.74	5.16	6 00

Smooth Bottom.

NOS	5	5½	6
Style	Jack	Jack	Fore
Length	14	15	18 in.
Cutter	2	2¼	2⅜ in.
Weight each	4½	6¼	7¼ lbs
List each	$5.80	6.50	7 30
Net each	$6.00	6.70	7 52

Smooth Bottom.

NOS	7	8
Style	Jointer	Jointer
Length	22	24 in.
Cutter	2¾	2⅜ in
Weight each	8	9 lbs.
List each	$8 50	10 00
Net each	$8 76	10 30



Corrugated Bottom.

NOS	3C	4C	4½C	5C
Style	Smooth	Smooth	Smooth	Jack
Length	8	9	10	14 in.
Cutter	1¾	2	2⅜	2 in.
Weight each	3	3½	5¼	4½ lbs
List each	$4 85	5.25	6 10	6.10
Net each	$5.00	5.42	6.30	6.30

NOS	5½C	6C	7C	8C
Style	Jack	Fore	Jointer	Jointer
Length	15	18	22	24 in.
Cutter	2¼	2⅜	2⅜	2⅜ in.
Weight each	6¼	7¼	8	9 lbs.
List each	$6.85	7.65	8.95	10.50
Net each	$7.06	7.90	9.24	10.82

ALL ONE IN A BOX.

WOOD BOTTOM.

Black Enameled Cast Iron Frame. Selected Clear Beechwood Bottom, Handle and Knob. Face Guaranteed Perfectly Smooth and True. Finest English Tool Steel Cutters, Oil Tempered. Ground and Honed by Hand. Full Polished Cap and Cutters.

NOS	22
Style	Smooth
Length	8 in
Cutter	1¾ in.
Weight each	2½ lbs.
List each	$3.10
Net eac	$3.90

NOS	36
Style	Smooth
Length	10 in
Cutter	2⅜ in
Weight each	4 lbs.
List each	4 30
Net each	5 42

NOS	26	27A
Style	Jack	Jack
Length	15	15 in.
Cutter	2	2¼ in.
Weight each	3½	4 lbs.
List each	$3 50	3 90
Net each	$4 42	4.92

NOS	28	29
Style	Fore	Fore
Length	18	20 in.
Cutter	2⅜	2⅜ in.
Weight each	5½	5½ lbs
List each	$4 30	4 30
Net each	$5 42	5.42

NOS	31	32
Style	Jointer	Jointer
Length	24	26 in
Cutter	2⅜	2⅜ in.
Weight each	6	7 lbs.
List each	$4.60	5.00
Net each	$5.90	6.30

ALL ONE IN A BOX.

TONGUING AND GROOVING.

Nickel Plated.

This plane is provided with two separate cutters, as shown above, to be used for making a tongue. By releasing the pin at the front of plane, the fence may be swung on a central pivot and reversed, thus covering one cutter. The plane may then be used to form a groove to match the tongue.

Net each

NO. 48—Length 8¾ in., for ¾ to 1¼ in. boards, including tonguing and grooving tools, weight 5lbs. each.. . List each $5.85 $6 68

RABBET AND FILLETSTER.

Japanned.

This plane has two seats for cutter, and by inserting cutter in the forward seat, can be used as a bull-nose rabbet plane. The arm is reversible and can be used on right or left hand side of plane.

Net each

NO. 178—Length 8½ in., long 1⅛ in. cutter, iron stock and fence, weight 3 lbs. each. List each $3 65 $3 80

CIRCULAR.

Japanned Frame,
Polished Spring Steel Bottoms.
For concave or convex surfaces.

By means of turning the knob on front of the plane, the face can be set to work an arc of same circle, either concave or convex.

Net each

NO. 1113—Length 10 in., 1½ in. cutter weight 4 lbs. each . . List each $9 30 $9.60

Extra Irons—Single..... .80

Double..... 1.30

ALL ONE IN A BOX

"Pagoma" goods are all guaranteed

PLANES.

PAGOMA

"PAGOMA" Planes Have the Same High Standard of Quality as the Balance of Our "Pagoma" Line.

Every Care Is Taken to Preserve This Standard and we Guarantee Each Item Bearing This Brand to be Satisfactory and Free From Defects in Material and Workmanship.

FULLY WARRANTED.

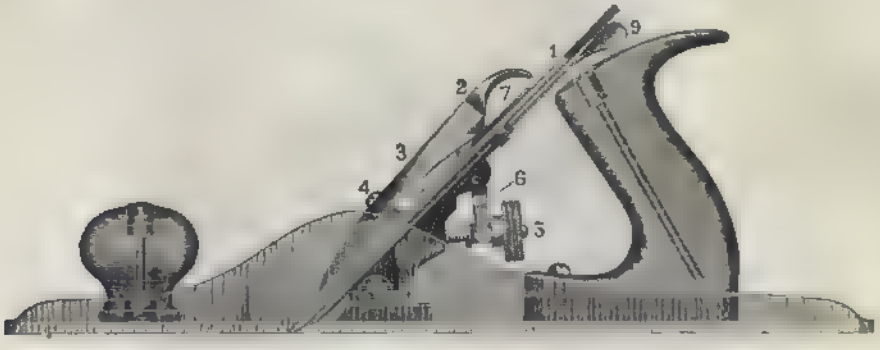


Illustration is sectional view of our No. 5 Iron Jack Plane.

DIRECTIONS FOR

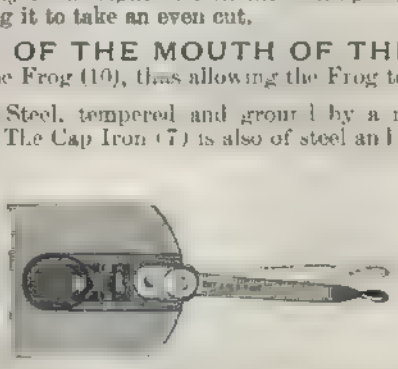
"PAGOMA" ADJUSTABLE IRON PLANES.

TO REMOVE THE CAP AND CUTTER. raise the Thumb Piece (2) which acts as a cam, thus releasing the pressure of the lever (3) upon the Plane Iron (1). To remove this Lever (3) it is not necessary to loosen the Screw (4), as the Lever is provided with a slot, which allows of its being easily removed. This Screw (4) regulates the pressure of the Lever upon the Plane Iron, and when properly adjusted, should not be changed.

TO REGULATE THE DEPTH OF CUT TO BE TAKEN. revolve the adjusting Screw (5), which operates upon the Fork Lever (6) to the right or left, thus lowering or raising the Plane Iron. After the Plane Iron is set to cut a shaving of the thickness required, if it is not exactly true with the bottom of the Plane, it can be adjusted by means of the Lateral Adjustment Lever (9). By moving this laterally to the right or left, the cutting edge of the Plane Iron may be adjusted to bring it parallel with the bottom of the Plane, causing it to take an even cut.

TO REGULATE THE WIDTH OF THE MOUTH OF THE PLANE, loosen the Screws (8) of which there are two in the Plane, placed in slots in the Frog (10), thus allowing the Frog to be moved forward or backward.

The Plane Iron (1) is made of Guaranteed Steel, tempered and ground by a modern process, which gives a keen cutting edge that will wear well under all conditions. The Cap Iron (7) is also of steel and is fastened to the Plane Iron by a small screw which operates in a slot in the Plane Iron.



The above cut shows the Adjusting Lever used in "PAGOMA" Planes, and the method by which the Iron can be easily adjusted sidewise, giving an easy lateral adjustment.

The above cut represents the "PAGOMA" Improved Plane Iron and Cap used in "Pagoma" Planes.

These cutters are made from a superior grade of steel. They are EXTRA HEAVY, being nearly twice the thickness of the ordinary cutter. Because of this, the cutting edge is firm and solid, and WILL NOT CHATTER in the HARDEST WOODS. This point in "PAGOMA" CUTTERS is greatly appreciated by all who use them, as it is a distinct advantage over any other Plane made.

"PAGOMA" meets the demand of the mechanic for PERFECTION in Tools

LAWN MOWERS

PENNSYLVANIA SUPER-GREAT AMERICAN

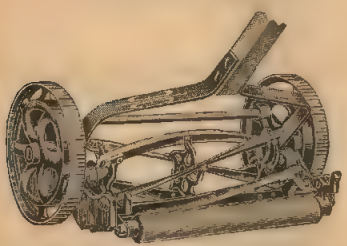
The Super-Great American has Roller Bearings in the Drive Wheels. The hub on wheel is shortened so that it is flush with outside of wheel. The revolving reel is ball bearing, fitted with dust-proof cones. The lower cutter bar has raised edge for self sharpening. It is adjusted by two set screws on each side, one above and one underneath the cutter bar. 10 inch Roller Bearing Drive Wheels, with 6 spokes, cylinder has fine crucible tool steel blades, oil hardened and water tempered.

Hardwood Staytite handle. Hardwood roller. Hooks for attaching grass catcher. Beautifully finished in Gold Bronze, nicely striped.

Nos.	X1515	X1517	X1519	X1521
Cut, in.	15	17	19	21
W't, lbs.	67	69	73	76
Each	$32.90	37.35	41.75	46.20

ONE IN A CASE

WM. PENN BALL BEARING



It is sturdily constructed and meets the demand for a 5-blade smooth cutting household mower.

Eccentric screw adjustment on reel shaft.

Bottom Knife spring steel hardened and tempered.

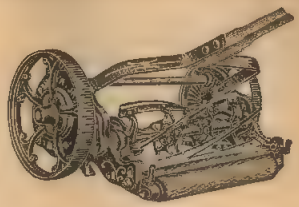
Cutter Bar is adjusted by set screws on top side.

Color—Green frame and cylinder, gold wheels, with red striping.

No. X1916—16 in., Pennsylvania quality, 9-in. drive wheels, 5 blade reel, ball bearing, ball cups and cones are identical with the Pennsylvania, Jr. Mower, w't boxed 50 lbs. ..... each $24.45

ONE IN A BOX

PENNSYLVANIA JUNIOR BALL BEARING

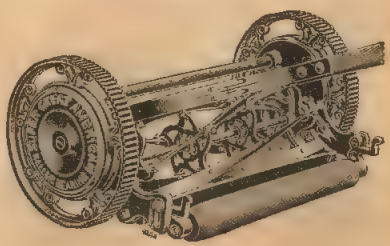


10 inch driving wheels, five tempered crucible steel blades, raised edge, self-sharpening dead knife, ball bearing, cylinder journals, 6 in. cylinder, triple train of gears each side, hardwood roller and improved handle, finished in green and red with gold trimmings.

Nos.	X1015	X1017	X1019	X1021
Cut, in.	15	17	19	21
W't lbs.	71	74	77	80
Each	$50.00	51.00	57.00	63.00

ONE IN A CASE

PENNSYLVANIA STANDARD HIGH WHEEL



10 inch driving wheels, four crucible steel oil tempered blades, extra wide 6¾ inch reel geared on one side with triple train of gears, hardwood roller and improved handles, finished in green and red with gold trimmings.

Nos.	X1115	X1117	X1119
Cut, in.	15	17	19
W't, lbs.	78	82	85
Each	$45.00	51.00	57.00

ONE IN A CASE

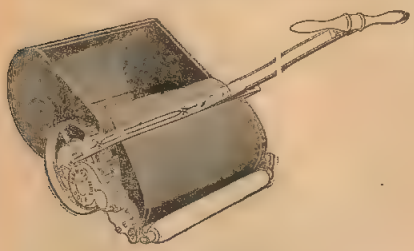
PENNSYLVANIA BALL BEARING GOLF LAWN MOWER

9½ in. drive wheels, seven crucible steel blades, self-sharpening raised edge dead knife, ball bearing, cylinder journal, 6½ in. cylinder, sectional iron roller, cuts 5/16 to 1½ in. from ground. Especially adapted for golf links and tennis courts.

Nos.	X1217	X1219	X1221
Cut, in.	17	19	21
W't lbs.	100	103	107
Each	$60.45	67.55	74.65

ONE IN A CASE

GRASS BOXES FOR GOLF MOWERS



Made of sheet metal, with wood ends, are composed of two parts—the box proper and the shield or deflector, to deflect the grass forward into the box, for use only on Pennsylvania golf mowers, easily attached and detached.

Nos.	X217	X219	X221
Inches	17	19	21
W't, lbs.	32	33	34
Each	$14.20	14.20	14.20

ONE IN A BOX

"OUR VERY BEST" IS THE VERY BEST

PENNSYLVANIA SUPER ROLLER MOWER

A close cutting light running mower for Putting Greens, Croquet Grounds, Tennis Courts, etc.

Lubrication—Reduced to a minimum by the alemite system. Needs only one or two oilings during the entire season. All bearings are either ball or roller oil tight and dust proof.

Cut Gears—Equipped with roller bearings, running in oil, encased in dust tight sides.

Cylinders—Seven blades of crucible tool steel, oil hardened and heat treated.

Bottom Knife—Flat spring tempered, crucible steel, 18 in. cut.

Rollers or Drums—Are made of aluminum, 7 in. in diameter, interchangeable right or left, cut can be regulated between ¼ to ½ in. from ground.

Color—Green body, red cylinder, trimmed in gold.

No. X1418—18 in., w't packed 80 lbs., net w't 55 lbs., each $88 90

No. X1118 Grass Box and No. X10 Roller Carriage used on this mower.

ONE IN A CASE

CARRIAGE FOR SUPER ROLLER AND PUTTING GREEN ROLLER MOWERS

No. X10—30 in. wide over all, 12 in. wheels, very convenient for moving these mowers from place to place, w't 21 lbs. ..... each $8.90

ONE IN A BOX

New Cigar Lighters

Finished like High Grade Jewelry. Every man will be proud to carry one. Perfection in lighting, no failures. A turn of the thumb and the flame is there.—A tribute to American Ingenuity.

Golden Wheel Lighters are compact, handsomely finished and excellently constructed. Made with the new asbestos, unburnable wick which will not wear out. Each in box.

Nickel Finish.

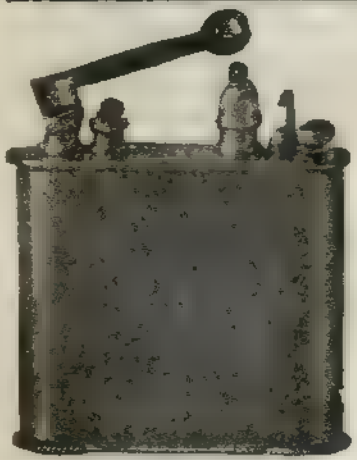
No. 88J147. Nickel, satin finish. Each **3.25**

No. 88J148. Leather covered. Each **4.00**

Green Gold Plate.

No. 88J150. Green gold plate. Each **3.25**

No. 88J151. Leather covered. Each **4.00**

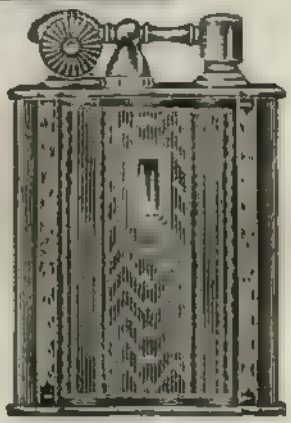


THE BLACK DOUGLASS LIGHTER

Automatic—it lights at the mere press of a trigger. The flint is 2½ times as long as that of other lighters. Fuel capacity is ample for days of use to save frequent refilling. The large wick gives a stronger flame.

No. 88J155. Burnished gunmetal. Each **3.75**

No. 88J156. Leather covered. Each **4.50**



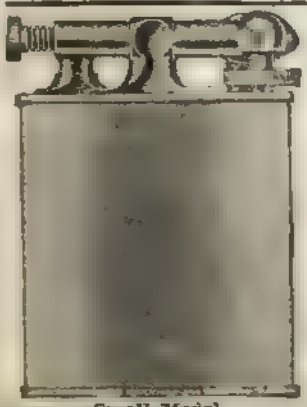
Evans Lighter, heavily silver plated, brocade engine turned design, small and neat in construction, extremely practical and guaranteed to give satisfaction.

No. 88J153. Each **3.50**

Evans Lighter, heavily silver plated, barrel brocade cigarette design of hunting scene. Attractive as well as practical, guaranteed to give satisfaction.

No. 88J154. Each **4.25**

CLARK LIGHTERS present infinitely more graceful lines than the lighters of yesterday. Have the new asbestos unburnable wick. They are handy, always ready for service, and the demand for cigar lighters is growing daily. Cash in on this demand and feature some of these numbers. Each in box.



Small Model

Small Model

No. 88J144. Platinum electroplate, satin finish. Each **4.15**

No. 88J145. Leather covered. Each. **4.90**

Men's Model

No. 88J141. Platinum electroplate, satin finish. Each **4.15**

No. 88J142. Leather covered. Each. **4.90**

Men's Model

Pocket Cigar Lighters

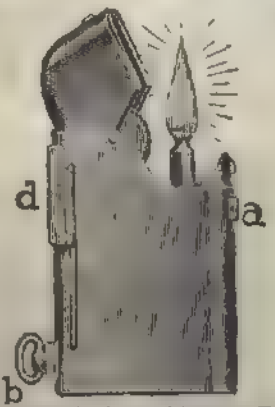
POPULAR STYLES **LOW PRICES**

"Shure-Light" Cigar Lighter. Lights instantly as flint cap is pulled off. Holds flame in wind. Made of brass, nickel plated. Burns any inflammable liquid. Use 15818 flint caps for refills.
No. 15810.
Per gross 19.50 | Per dozen 1.75
Extra flint caps for above lighter
No. 15818.
Per dozen. .65 Per gross. 7.20

Cigar Lighter, thin model, use round edges. Can be conveniently carried in the vest pocket. A very dependable lighter. To light, remove cap, turn the wheel with the thumb and ignition follows. Remove bottom section for refilling with liquid or for new flint. Any inflammable liquid can be used. Use 15813 round flints for refilling. Packed one dozen on a display card.

No. 15828.
Nickel finish.
Per dozen..... 1.75

Enameled in assorted colors.
No. 15829. Per dozen..... 1.95



Automatic Cigar Lighter. Press button to open the top and it lights automatically. Any inflammable liquid can be used. Full directions for refilling with each lighter. Flat thin model, made of brass, highly nickel plated. Each in box, one dozen to a carton. For refilling, use 15813 round flints.
No. 15820. Per dozen..... 7.50

Cigar Lighter. A thin, narrow shaped lighter, finished in assorted solid and mottled colors. To light, pull out the cap and scrape it on the flint which is attached to the side of the case. Very attractive and practical. Put up one dozen assorted colors on a display card
No. 15827. Per dozen..... 1.95

Cigarette Shape Cigar Lighter. Just the shape and size of a cigarette. Length 2¾ inches. Made of brass, white enameled with a polished gilt tip. Looks exactly like a cigarette. A novel and practical cigar lighter. Just turn the wheel with the thumb and it lights. Use 15813 round flints for refills. Put up one dozen on a display card.
No. 15822. Per dozen..... 1.95

AUTOMATIC REVOLVER CIGAR LIGHTER

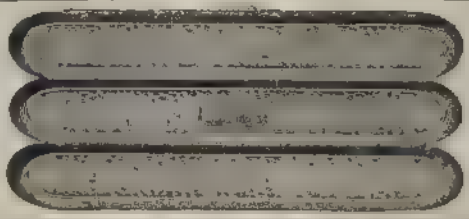
"Bully" Revolver Cigar Lighter. An exact reproduction of a revolver. Pull the trigger and you have a light. Very easily operated. Made of brass, gunmetal finish, with ring at end for chain. Size 2¾x1¾ inches. Use 15817 square flints for refills.
No. 15825.
Per dozen... 8.75 | Each .... .80

FLINTS FOR CIGAR LIGHTERS

No. 15813. Extra Flints, Round.
Per gross 2.50 | Per dozen .25
No. 15817. Extra Flints, Square.
Per gross 2.50 Per dozen .25

Cosmo Simplex Cigar Lighter. Convenient vest pocket size, rounded ends nickel plated, gears easily removed and refilled either with wick or with new flints. The tension readily adjusted by a screw at bottom. In efficiency and appearance equal to any lighter made.
No. 15816.
Per dozen. .90

"Automatic" Match Case. Made of a fine grade of leather, assorted colors. Has a snap button fastener with elastic band on the inside. A box of safety matches is inserted and when the snap fastener is opened the elastic forces the matches up automatically. One dozen on display card complete with matches.
No. 15845.
Per doz. 1.20



CIGAR CASE

Metal Cigar Case, embossed design, made to hold three cigars.

No. 88355.
Per dozen..... 1.50

Hohner Harmonicas

A Large Selection of Imported Harmonicas

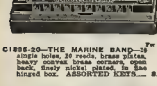
Hohner Harmonicas

C638—LITTLE LADY HOHNER HARMONICA—Size 1¾ inches in length, 2 reeds, perfect tone, brass plates, finish ring attached. Each instrument in fancy telescope container. 1 dozen in box, net weight 2.00

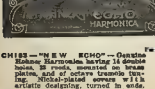
C643—THE OLD STANDBY—10 single holes, 20 reeds, brass plates, nickel covers, in neat hinged box, ASSORTED KEYS 7.50

C808—THE OLD FAVORITE—10 double holes, 20 reeds, brass plates, nickel covers, in fine boxes with hinged cover ASSORTED KEYS. 7.50

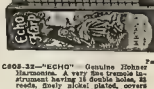
C132—HOHNER BAND—Finely concave nickel-plated cover with rounded mouthpiece, which is exceptionally agreeable to the player; brass plates, accurately tuned reeds and frame of mahogany finish ASSORTED KEYS—Mahogany finish 7.70



C806-20—THE MARINE BAND—20 single holes, 20 reeds, brass plates, heavy covers brass corners, open backs, best quality reeds, in hinged box. ASSORTED KEYS..... 8.00



C815—"NEW ECHO"—Genuine Hohner Harmonica, having 14 single holes, 28 reeds, mounted in brass plates, and of octave tremolo tuning. Nickel-plated covers with a artistic design, turned in ends. Measures 4¾ inches in length and is packed in an exceptionally strong telescope box adorned with silver engravings 6.50

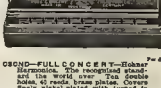


C808-32—"ECHO"—Genuine Hohner Harmonica. A very fine tremolo instrument having 16 double holes, 32 reeds, finely nickel plated, covers with turned in ends. Packed in fancy hinged box, with appropriate design in six different colors. ASSORTED KEYS 3.60

C1808—UP TO DATE—16 double holes, 32 reeds, brass covers, covers shape, nickel plated, cornet size, in fine silk lined leatherette case, with hook and gold lettering. ASSORTED KEYS 11.80

C366—MARINE BAND—This Hohner Harmonica has a much larger range than the ordinary single hole instrument, 2 octaves, and it is the choice of many players. 14 single holes, 24 reeds, highly nickel-plated covers, brass plates, hinged box, fancy trade and attractive label. Length 5¾ inches. Length assorted 10.80 KEYS .....

C284—"SPORTSMAN"—Genuine Hohner Harmonica, 14 double holes, 28 reeds, brass plates, heavy nickel-plated covers, tremolo tune, attractive ends. A very attractive instrument, measuring 6 inches in length. Accompanied by a handsome hinged box with cover printed in artistic design of many colors.....11.80



C800—FULL CONCERT—Hohner Harmonica. The recognized standard the world over. Ten double holes, 20 reeds, brass plates, highly nickel-plated with turned in ends. Packed in a strong hinged box. ASSORTED KEYS 12.00

C1808-40—CONCERT—The Marine Band, 10 double holes, 20 reeds, brass plates, heavy covers brass covers, finely nickel plated, cornet cart, in neat red hinged box with embossed lettering ASSORTED KEYS 14.40

C1808—AUTO VALVE HARP—Genuine Hohner Harmonica, assorted keys, 10 double holes, 20 reeds, brass plates, nickel plated covers, with valves on the back, the latest novelty device, easy to blow as any single reed mouth organ each in a fine hinged lined box. ASSORTED KEYS 3.60

C85—"CHIMES"—Genuine Hohner Harmonica. Medium size double-sided reeded instrument in two different keys, having 48 perfectly tuned reeds. Genuine brass plates, finely nickel-plated covers in new design, ornamented by double and handsome hinged box in colors..... 15.00

C808-64—"ECHO"—Genuine Hohner Harmonica. Large double-sided reeded instrument in two different keys, having 64 perfectly tuned reeds. Genuine brass plates, finely nickel-plated covers with turned in ends. Following keys, A & D, C & G. Packed in a very attractive hinged box with pictorial design in many colors 19.20

Chromatic Harmonica

The Harmonica that is endorsed by leading orchestra conductors. Lever arrangement gives flexible sharps and flats.

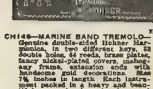
C8250—HOHNER CHROMATIC HARMONICA—This instrument supplies all the missing half-tones not found in the regular style. Any piece of music can be played. Heavy covers, nickel plated cover, brass plates, 10 double holes, 20 reeds, and is fitted with a patented wind saving device, the operation of a slide governs the player to obtain half notes instantaneously, length 6¾ inches. Each in a fine wooden box with covering of imitation black leather 42.00

C810—ECHOPHONE — Shape of a cartridge belt in fine nickel silver brass, with engraving and lettering, with 10 holes, 20 reeds, brass plates. ASSORTED KEYS. Each in box..18.00

C8810-1—"HARMONETTE"—Genuine Hohner Harmonica, with 14 double holes 28 reeds, nickel tuned 3 tremolo reeds brass plates, finely nickel-plated covers. To the instrument is attached a small resonator of nickel-plated sheet metal. Packed in a durable telescope case, leather 16.80

C8182—GENUINE HOHNER HARMONICA—16 inches long, 64 reeds, brass plates, heavy nickel-plated cover, mahogany frame, gold decorations, packed in beautifully decorated case. ASSORTED KEYS 18.00

C8463—GOLIATH Genuine Hohner Harmonica. Large size measuring 17¾ inches in length 24 double holes—48 reeds. Brass plates, heavy convex covers, nickel plated with open back. An ideal harmonica for concert playing, exceptionally high tone, and of tremendous power. In heavy wooden case covered in imitation alligator skin. ASSORTED KEYS 33.00



C8148—MARINE BAND TREMOLO—Genuine double-sided Hohner Harmonica. In two different keys, 32 double holes, 64 reeds, brass plates, heavy nickel-plated covers, mahogany frame, imitation reeds with handsome gold decorations. Size 7¾ inches in length. Each instrument packed in a heavy and beautiful case, handsomely decorated with gold letters 24.00

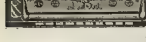
C4495—"UP TO DATE"—Genuine Hohner Harmonica. An elaborate double-sided instrument representing the very finest in harmonica construction. 32 double holes, 64 reeds, brass plates, nickel-plated covers, with turned in ends, mouthpiece ends with frame in imitation tortoise shell. Two harmonicas in one, in different keys. A very handsome wooden case with silver lettering and looks. Accompanies each instrument 30.00

C475½—"UP TO DATE"—Genuine Hohner Harmonica. This instrument is made on the C8R1 accordion, but it has 48 double holes and 96 reeds. Length, 14½ inches 36.00

C485½—"UP TO DATE"—Genuine Hohner Harmonica. This instrument is made on the C8R1 accordion, but it has 48 double holes and 96 reeds. Length, 9 inches 42.00

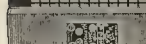
Pohl, Hotz and Hohner Harmonicas

Pohl Harmonicas



Per doz.

CH150—RICHTER MODEL. A good looking toy Harmonica measuring 4 inches in length. Fine, nickel-plated covers with fancy impressions, enters on ends. 8 reeds, 10 holes, colored frame. 1 dozen in package, not broken..... .84

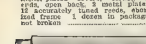


Per doz.

CH164—TREMOLO CONCERT—An attractive and practical instrument. Fine nickel-plated covers formed in ends, open back, 2 reeds, 10 holes, tremolo tuned, brass reed plates and colored frame. Length, 4 inches. 1 dozen in a package, not broken..... 1.50

Per doz.

CH185—20-HOLE HARMONICA—For practical purposes. It measures 4¼ inches in length. Finely nickel-plated covers, 20 holes, 10 tuned reeds, brass reed plates, accurately tuned reeds, colored frame. 1 dozen in package, not broken..... 1.60



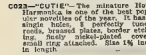
Per doz.

C112—MY PAL—Pohl Brand Harmonica, a well constructed instrument of neat appearance and perfectly tuned. This Harmonica has 10 single holes, 10 reeds, brassed plates, finely nickel-plated covers attractively designed. Measures 4 inches in length. Comes in a neat cardboard container with label in colors. One dozen in box, not broken..... 1.60

Hotz Harmonicas

Per doz.

C023—"CUTIE"—The miniature Hotz Harmonica is one of the best popular novelties of the year. It has 4 single holes, 8 perfectly tuned reeds, brassed plates, leather stitching, metal nickel-plated cover, small ring attached. Size 1¾ inch in length. 1.60



Per doz.

C08H—ATTA-BOY HOTZ HARMONICA—A good looking harmonica, 4 inches long, 10 holes, highly nickel plated frame, each in a cardboard box, ASSORTED KEYS. 3.80

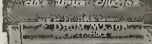
Hotz Harmonicas
Continued

Per doz.

C01H—"THE SPORT" HARMONICA—It has 10 single holes, 20 reeds, highly polished nickel-plated covers, brass reed plates. ASSORTED KEYS. 3.00

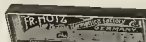
Per doz.

C02H—The "AMERICAN ACE" HOTZ HARMONICA—10 single holes, 20 reeds, highly nickel plated covers, brass reed plates. ASSORTED KEYS. 3.50



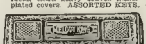
Per doz.

—THE DRUM MAJOR—Manufactured by Fr. Hotz. First quality triangle harmonica, 14 double holes, 28 tremolo tuned reeds. Brassed plates, nickel plated covers. Fine metal reed cover finish, in fine wooden CASE AND GIFT BOX. 4.00



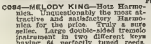
Per doz.

C03H—"PIONEER"—A heavy and durably constructed Harmonica. Curved ends, 10 single holes, 20 reeds, extra heavy nickel-plated covers. ASSORTED KEYS. 4.00



Per doz.

C08H—MELODY KING—Hotz Harmonicas. Unquestionably the most attractive and satisfactory 10-hole Harmonica on the market today. Large double-sized tremolo instrument in two different keys having 64 perfectly tuned reeds. Brassed plates, finely nickel plated covers with perforations and fancy engraved borders, turned-in ends. Packed in a very beautiful hinged box, each instrument in a separate embossed gold lettering. 7.20



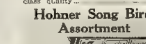
C08G—DAVID'S HARP—A Hotz novelty instrument. 10 single holes, 20 reeds, brassed plates. To the Harmonica is attached a harp shaped wooden resonator (Natural, red, navy blue) with appropriate illustration and lettering in colors. Reinforced with nickel-plated wire, nickel-plated. Length 4 inches. Packed in a heavy cardboard telescope container neatly decorated. Per doz.. 8.00

Hotz Assortment

Per asst.

CH013—"HAPPY DAYS" ASSORTMENT—An assortment of 36 Hotz Harmonicas in a neat cardboard box, compartmented in four colors as follows: 12 Harmonicas (Nos. 61 and 62) each having 10 single holes, 20 reeds, brassed plates, nickel-plated covers, warranted to be of first-class quality..... 3.80

Hohner Song Bird Assortment



Per doz.

CH024—SONG BIRD—Single hole, 10 reeds, brass plates, and embossed nickel-plated cover. Packed in a neat box with attractive label. 1 play carton, not broken..... 4.00

Hohner Display Assortment

Per asst.

C410A—HOHNER ASSORTMENT DISPLAY in a double tier folding display printed in 4 colors, picturing two boys playing Hohner Harmonicas. Contains 1 dozen assorted as follows: 242, 603, 132. All keys to retail at 50c..... 7.80

"Hohner Boy" Assortment

Per asst.

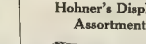
C425 A—"THE HOHNER BOY" ASSORTMENT—Contained in a beautiful and elaborate display stand in two colors, measuring 31 inches high, 15 inches wide and 8 inches deep. Hohner Harmonicas in Attractive Colored Boxes. The stand is made of heavy cardboard and is supported by a patented easel back. One dozen genuine Hohner Harmonicas assorted in different styles in a variety of seven keys. 8.00

Hohner "Jolly Pals" Assortment

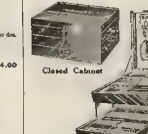
Per asst.

C200A—JOLLY PALS HOHNER HARMONICA ASSORTMENT—A beautifully lithographed display in four colors picturing 6 jolly American boys in action with Hohner Harmonicas. The display is made up of heavy cardboard in a three-panel folder, and measures 18¾ inches in length by 12 inches in width. The assortment consists of 12 different style genuine Hohner Harmonicas all good sellers in various keys retailing at from 50c to $2.00 each..... 11.50

Hohner's Display Assortment



Closed Cabinet



Open Cabinet

You Receive

23	pieces, retail at	.10
6	pieces, retail at	.60
19	pieces, retail at	.75

Per asst.

CH400—HOHNER'S COLLAPSIBLE DISPLAY CABINET—Consists of 3 trays Cabinet elaborately finished in rich dark mahogany, finely polished. Attractive gold lettering on the top handle. Contains specially selected assortment of 23 pieces ..20.50

Hohner Revolving Assortment

You Receive

16	assorted Harmonicas, retail..... .80
4	assorted Harmonicas, retail..... .40
8	assorted Harmonicas, retail..... .75
2	assorted Harmonicas, retail..... 1.00
4	assorted Harmonicas, retail..... 1.60
2	assorted Harmonicas, retail..... 2.00

Per asst.

C500A—HOHNER'S REVOLVING DISPLAY HARMONICA STAND—Polished in dark mahogany highly polished. On a spring movement motor with sufficient strength to revolve 24 hours. Height, 22 inches; 16¾ inches wide..... 43.00

C661—Refills for C500A..... 37.00

RUBBERSET LATHER BRUSHES

The bristles of all "rubberset" lather brushes are set in vulcanized rubber by a process that holds the bristles firmly so that they will not come out. Guaranteed to withstand hot or cold water, soap and hard usage.

The barbers' favorite lather brushes. Imported **with bristles,** set in vulcanized rubber, hard polished boxwood handles with hard rubber ferrules.

No. C49-1—Full length 5 in., 2 in. bristles.....per dozen $11.65

No. C49 2—Full length 5½ in., 2⅜ in. bristles.....per dozen $15.35

No. C49-3—Full length 6 in., 2⅜ in. bristles.....per dozen $18.10

The "Big 4" lather brush is intended for barbers who desire an extra large shaving brush that will stand hard service.

No. C49-4—"The Big 4," full length 6¼ in., 2½ in. bristles, per dozen $21.55

ONE IN A BOX, HALF DOZEN IN A CARTON

The finest barbers' lather brush manufactured. Imported white bristles, set in vulcanized rubber, solid white celluloid handles with hard rubber ferrules.

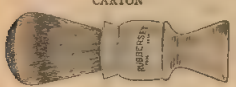
No. C200-1—Full length 4⅞ in., 2 in. bristles.....per dozen $14.75

No. C200-2—Full length 5¼ in., 2⅜ in. bristles.....per dozen $16.65

No. C200-3—Full length 5⅝ in., 2⅝ in. bristles.....per dozen $19.45

No. C200-4—Full length 6¼ in., 2⅝ in. bristles.....per dozen $22.90

ONE IN A BOX, HALF DOZEN IN A CARTON



White Alberite handles and ferrules, imported bristles set in vulcanized rubber, mixed "badger" hair bristles.

No. C117—Full length 4⅝ in., 2⅜ in. bristles.....per dozen $26 65

ABOVE, ONE IN A BOX, HALF DOZEN IN A CARTON

No. C221—Full length 4¼ in., highly polished white Alberite handle, hard rubber ferrule, 1⅝ in. **mixed badger hair** bristles set in vulcanized rubber.....per dozen $19.45

HALF DOZEN IN A CARTON

No. C226—Full length 4¼ in., 2 in. **mixed badger bristles, black** rubber ferrule, white celluloid handle, set in vulcanized rubber, octagon handle.....per dozen $17.75

No. C225—Full length 4¼ in., 2 in. **mixed badger bristles, black** rubber ferrule, white celluloid handle, round and highly polished, set in vulcanized rubber, per dozen $17.75

No. C232—Large size, full length 5 in., highly polished white celluloid handle, hard rubber ferrule, 2½ in. **badger hair bristles** set in vulcanized rubber...per dozen $53.30

ABOVE, ONE IN A BOX, HALF DOZEN IN A CARTON

Hibbard
HARDWARE for HARD WEAR

No. C230—Medium size, full length 4¼ in., highly polished white Alberite handle, black Alberite ferrule, 2 in. imported **badger hair bristles** set in vulcanized rubber, per dozen $26.65

No. C322—Full length 5 in., highly polished white celluloid handle, equal in appearance to ivory, hard rubber cup shape ferrule prevents lather and water from running down the handle while the brush is in use, 2½ in. fine **badger hair bristles** set in vulcanized rubber, per dozen 53.30

No. C342—Full length 5 in., highly polished white celluloid handle, equal in appearance to ivory, 2½ in. fine badger hair bristles set in vulcanized rubber.....per dozen $53.30

ABOVE, ONE IN A BOX, HALF DOZEN IN A CARTON

Our Very Best is the Very Best.

YOU HAVE TRIED THE REST
NOW TRY THE BEST

LATHER BRUSHES

This brush is put together under a new process, making it absolutely non-shedding, guaranteed in every respect.

No. C10—"Firm Set," full length 4¾ in., soft ebony finish handle, extra fine nickeled ferrule, 2 in. selected French **white** bristles, per dozen $6.65

HALF DOZEN IN A BOX

No. C945—Full length 4⅝ in., ebonized handle, 2 in. **imitation badger hair** bristles, round point, per dozen $6.65

HALF DOZEN IN A BOX

A small neat brush, ideally suited for the traveler to put into the traveling kit.

No. C3009—Full length 4 in., white bone handle, black hard rubber ferrule, 1⅝ in. **genuine badger hair** bristles, set in vulcanized hard rubber, each brush in individual carton. per dozen $25.55

HALF DOZEN IN A BOX

Bristles Set in Vulcanized Rubber.

No. C2096—Full length 5¼ in., white enameled hardwood handle, black rubber ferrule, 2 1/16 in. **mixed Badger bristles,** round point, firmly gripped in hard vulcanized rubber.....per dozen $11.65

ONE IN A BOX; HALF DOZEN IN A CARTON

Imported **WHITE BRISTLES, set** in Vulcanized hard rubber, will not shed when hot or cold water is used for making lather, polished boxwood handles, black hard rubber ferrules.

Nos.	C2001X	C2002X	C2003X
Full length, in.	5⅛	5⅛	5⅛
Bristles, in...	2	2⅛	2⅛
Per dozen ...	$10.00	13.35	16.65

HALF DOZEN IN A BOX

No. C931X—Full length 4⅛ in., ebonized handle, 2 in. **Imitation Badger bristles**.....per dozen $6.10

HALF DOZEN IN A BOX

No. C1011X—Set, full length 4⅛ in., 2 in. **white bristles,** ebonized wood handle with nickel plated metal ferrule, w't per doz. 1 lb., per dozen $5.00

ONE DOZEN IN A BOX

No. C860—Full length 5¼ in., ebonized handle, nickel plated trimming, 2 in. white bristles, per dozen $6.65

HALF DOZEN IN A BOX

Bristles Set in Vulcanized Rubber.

No. C2008—Full length 4⅜ in., white bone handle, black rubber ferrule, 2¼ in. fine **French white bristles,** per dozen $17.75

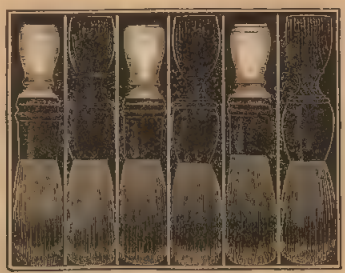
HALF DOZEN IN A BOX

TRAVELING

Medium size, collapsible for soldiers, sailors and travelers, full length open 4⅜ in., length closed 2⅝ in., 1⅛ in. bristles of good quality, nickel plated brass handles, w't per doz. 1 lb.

No. C453X—Imitation badger hair bristles.....per dozen $7.20

HALF DOZEN IN A BOX



No. C563—Assortment, consisting of ½ dozen assorted white enameled and cherry finished handles, ebonized ferrules, 2 in. mixed hair bristles, round point.....per dozen $4.45

HALF DOZEN IN A BOX

LOUD SPEAKERS

CROSLEY

Musicone

Reproduces full, rich, mellow tones. Its extraordinary reproduction of the human voice and all musical instruments without distortion of pitch or tinny overtones, constitutes one of the outstanding achievements in all radio history. This is based not on the Cone, but on the patented actuating unit which Crosley engineers have developed and which is exclusive in the Musicone.

No. 3121 Musicone Height, 13⅛ inches; Diameter of Cone, 12 inches; Weight, 5 Lbs. in carton. . . . . Each, **$12.50**

One in a Shipping Carton

Super Musicone

Has been developed to meet the demand for a larger cone-type speaker. The operating unit is the same as used in the Musicone. The cone is beautifully decorated on both front and back. Every note is received with perfect clearness, there being no metallic sounds or distortion to mar the otherwise perfect radio reception. The floating cone of the Musicone is merely incidental to its performance. The real secret of its success lies in the actuating movement, which incorporates a number of unique, individual and patented features found in no other speaker.

No. 3120 Super Musicone Height, 18 inches; Diameter of Cone, 16 inches; Weight, 8¾ Lbs. . . . . Each, **$14.75**

One in a Shipping Carton

Musicone DeLuxe

Is a regular Musicone installed in a mahogany clock-case with a grilled screen. The effect is charming and offers a real finishing touch to any type of radio receiver. No additional batteries are required to operate.

No. 3122 Musicone DeLuxe Height, 13¾ inches; Width, 16¾ inches; Depth, 6¾ inches; Weight, 10¼ Lbs. in carton. . Each, **$23.50**

One in a Shipping Carton

CROSLEY

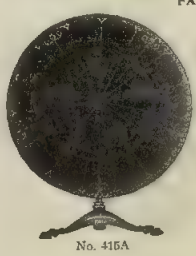
Musiconsole

Console cabinet with built-in Musicone with compartment for all batteries, wet or dry. Musicone suspended inside behind the silken screen. Two-tone Mahogany finish.

No. 3123 Musiconsole Height, 30⅜ inches; Width, 28⅝ inches, Depth, 12¾ inches; Weight, 20½ Lbs. . . . . Each, **$32.00**

One in a Crate

FADA



No. 415A

No. 425A

Cone

The Fada loud speaker is a circular cone, 22 inches in diameter, mounted to float free on a decorative metal base.

From the chrome steel hardened main magnet, through the special bakelite bobbins carrying the hair-fine wire coils, to the specially fitted pole pieces and the minute but carefully balanced armature, with its phosphor-bronze "retent", down through the actuating pin, with its carefully calibrated reducing motion.

It is a free-floating cone with a permanent magnet embodying an entirely new principle in speaker design and offering an entirely new conception of speaker performance.

The paper from which the cone and resonator are made is especially manufactured to insure perfect reproduction.

Used with any receiver the FADA loud speaker will bring out the best the instrument has to offer—used with FADA RADIO, its performance is perfection insofar as the human ear can tell.

No. 415A Height, 25 inches; Diameter of Cone, 22 inches. . . . . Each, **$35.00**

No. 425A Height, 55 inches; Diameter of Cone, 22 inches. . . . . Each, **$50.00**

One in a Shipping Carton

Crosley and Fada Loud Speakers are sold to Authorized Dealers only.

LOUD SPEAKERS

TOWER

Meistersinger

An efficient speaker with mellowness and depth of tone. Shell and goose neck are of duraluminum and bell is of sheet metal. Equipped with the high grade Tower Speaker Unit which can be adjusted instantly to any kind of a receiving set. Finished in golden bronze and brown to blend harmoniously with mahogany or oak.

No. 130 Diameter of bell, 13½ inches. Height overall, 21½ inches . . . . . Each, **$15.00**

One in a Shipping Carton

Scientific

Is substantially constructed and beautiful in appearance. The unit is enclosed in a heavy metal shell and attached to the base by screwing the horn ferrule to the unit cap, thus making it very secure and at the same time easily removable. The magnets are so strong they will lift 2 lbs 10 oz. through the pole pieces. The horn is made of a strong fibre material that is unbreakable and is so finished that it will not easily chip or mar. The graceful lines of the horn and base are emphasized by the soft golden bronze finish and gol-finish ferrule. Designed to blend harmoniously with mahogany or oak. Has unexcelled tone quality, the voice of the orator, cheers of the frenzied foot ball fans, mello strains of cello or violin, shrill notes of the fife or staccato beat of the drums; all are reproduced with uotmost faithfulness. The Tower reproducing unit and horn of scientific design to amplify signals to a degree hitherto unattained. This extraordinary volume is accomplished **without distortion,** and can be adjusted instantly by merely turning the shell of the unit slightly to the right or left.

No. 125. Diameter of bell, 10 inches; Height Overall, 21½ inches, ... Each. **$8.50**

One in a Carton

Little Spitfire

The horn is made of strong fibre and finished in black. Equipped with Tower adjustable scientific speaker unit. Complete with phone cords.

No. 185. Diameter of bell, 8⅛ inches; Height Overall, 17½ inches . . . . Each, **$4.95**

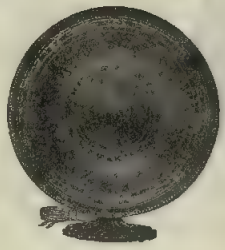
One in a Carton

Midget

Is a celluloid novelty, tortoise shell in color. Equipped with Towers adjustable speaker unit and phone cords. The reception given by this speaker is astounding.

No. 195. Diameter of face, 3 inches; Diameter of base, 3 inches; Height Overall, 5½ inches. . . . . Each, **$3.95**

One in a Box



Cone

This Cone marks a radical departure from the construction usually employed in Cone Speakers. Its superiority is the result of the use of an exclusive direct drive unit. Eight points of contact from unit to cone: An accoustically perfect non-warping Cone of parchment. Free edge design, thicker at center than edges. Reproduces both highest and lowest notes with perfect faithfulness and beauty of tone.

No. 135. Height, 17¼ in. Diameter of cone, 16 inches. Weight, 8 lbs. . . . Each, **$9.50**

One in a Shipping Carton

Meistersinger—Cone

Is a speaker of dignified beauty matched only by its rare tonal capabilities. Ideal for power tube operation, can also be used as a wall model by detaching base. The exclusive driving mechanism and free edge cone is protected by a solid mahogany frame and metal base with dolphin motif.

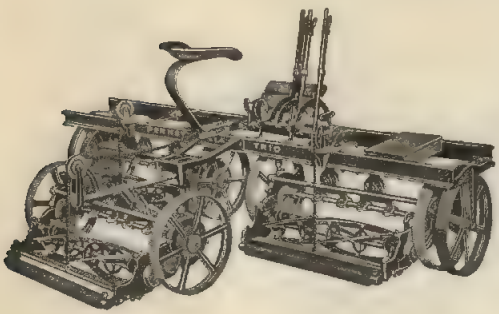
No. 140. Height, 17½ inches; diameter of cone, 16 inches. Weight 6 lbs. . . . . Each, **$15.00**

One in a Shipping Carton

FAIRWAY MOWERS.

THE PENNSYLVANIA TRIO.

86-inch Cut. Can be Drawn by Horses or Tractor.



The Pennsylvania Trio consists of three specially-constructed, 30-inch, 4 blade, mower units, high-geared, so yoked to a steel frame or sulky that a cutting swath of 86 inches is attained. Each mower unit acts independently of the others, being pivoted to the frame, enabling them to ride over uneven surfaces and to closely follow the undulation of the ground. The frame is supported on two separate ground wheels, relieving the cutting units of any extra weight, overcoming the objection of wheel marks on the turf and also giving the mowers greater flexibility and greater efficiency. Price includes wrought-iron hitch, or draft pole for double team, or single shafts. Width of frame, 9 feet. Net wt., 930 lbs.; shipping wt., 1180 lbs.

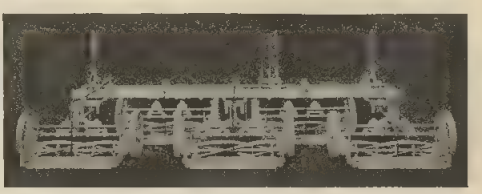
The Pennsylvania Trio.....Each **$600 00**

THE PENNSYLVANIA QUINT.

144-inch Cut. Tractor Drawn.

This outfit is built on the same lines as the Trio, with the frame two feet wider and five cutting units, all interchangeable. If desired, the two outside units can be detached and the machine operated as a Trio, with a pair of horses. Price includes draft pole or tractor hitch. Width of frame, 11 feet. Net wt., 1480 lbs.; shipping wt., 1900 lbs.

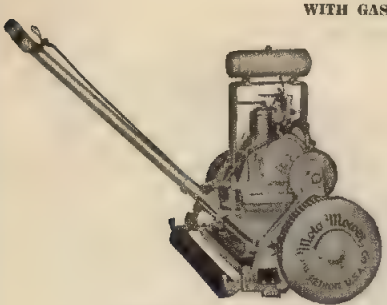
The Pennsylvania Quint.....Each **$1000 00**



LAWN MOWERS.

"MOTOMOWER" POWER.

WITH GASOLINE MOTORS.



27-inch Detroit Model.

21-inch City Model.

Simple, compactly designed, moderately priced, light enough to be easily run up and down over terraces, small enough to cut close to trees, hedges and flower beds, economical in gasoline and maintenance and so fool-proof that almost anyone can be trusted to run it without danger of getting it out of order. Starts, stops, and turns in any direction under its own power by the mere rotation of two rubber grips on the handle. The throttle control mounted on the handle allows the operator to vary the speed of the machine as conditions require.

Manufacturers' Guarantee—"We guarantee the Moto-Mower to be built of first class material throughout and of the highest grade workmanship; to be in perfect running order when leaving our factory; and to replace within sixty days from date of purchase any parts which prove defective through faulty material or workmanship, provided they are returned to our factory, prepaid, for replacement."

DETROIT MODEL.

General Specifications:

Width of cut.....27 inches
Cutting adjustment .....¼ to 3½ inches
Cutting Speed .....½ to 3½ miles per hour
Cutting capacity .....4 to 5 acres per day
Climbs .....35% grade
Gasoline consumption per day.....About one gallon
Weight .....(Net) 200 pounds
Weight .....(Crated for shipment) 265 pounds
Color .....Gray Enamel

Mower.

Blades, revolving .....5 crucible steel (tempered)
Blade, bottom .....Turned up edge, (tempered)
Clutches .....Dry disc type
Control..One or both wheels can be engaged either together or separately.
Reel Bearings.....Timken Roller
Handle .....Seamless steel tubing, fully braced
Wheels.....Indestructible, pressed steel
Side Frames .....Malleable Iron
Chains .....Diamond Roller

Motor.

Four cycle valve in head, air cooled.
Bore .....2½ inches
Stroke .....2½ inches
Horsepower 2½
Speed .....600 to 2000 R.P.M.
Control .....Throttle
Ignition .....Magneto
Carburetor .....Set Jet
Detroit Model .....Each $300 00

CITY MODEL.

General Specifications:

Width of Cut .....21 inches
Cutting adjustment .....5/16 to 2½ inches
Cutting Speed .....½ to 3½ miles per hour
Climbs .....35% grade
Gasoline consumption per day.....about 1 gallon
Weight .....(Net) 185 lbs
Weight .....(Crated for shipment) 235 lbs.
Color .....Gray enamel

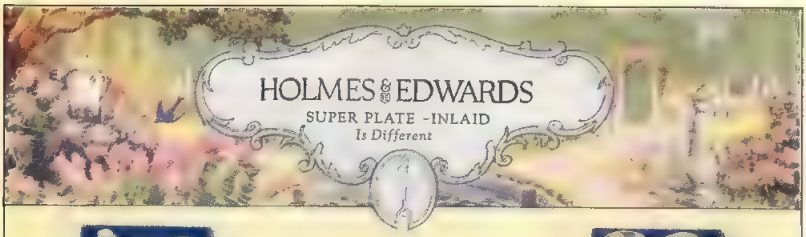
Mower.

Blades, revolving .....5 crucible steel (tempered)
Blade, bottom .....Turned up edge (tempered)
Clutches .....Dry band type
Control—One or both wheels can be engaged either together or separately.
Reel bearings .....Timken roller
Handle .....Wood, full braced
Side Frames .....Malleable Iron
Chains .....Diamond Roller

Motor.

Four cycle valve in head, air cooled.
Bore .....2 inches
Stroke .....2 inches
Horsepower 1
Speed .....600 to 2000 R.P.M.
Parts to Lubricate.....4 places
Control .....Throttle
Ignition .....Magneto
Carburetor .....Set Jet
City Model .....Each $225 00

We endeavor to carry in stock extra parts of the principal items. Others can be obtained in a few days from the factory.



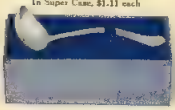
ROMANCE
PATTERN

Sugar Tongs
In Super Case. $2.23 each

Bone Spoon - Bent Handle
In Super Case, $1.11 each

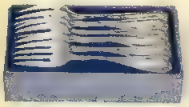
Coffee Spoons (Demi Tasse)
In Super Case, $4.17 six

Gravy Ladle
In Super Case, $2.77 each



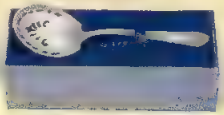
Whipped Cream Ladle
In Super Case, $2.23 each

Olive Spoon
In Super Case, $1.76 each



Individual Salad Forks
In Super Case. $8.34 six

Hollow Handle Pie Server
In Super Case. $5.03 each



Tomato or Egg Server
In Super Case. $3.63 each

3-Piece Child's Set. Sport Handle Knife
In Super Case, $3.13 set

Dessert Server
In Super Case. $4.73 each

Sugar Shell and Butter Knife
In Super Case. $2.77 set

Butter Spreaders
In Super Case. $6.96 six

3-Piece Game Set
In Super Case. $15.44 set

Oyster Forks
In Super Case. $5.30 six

INTERNATIONAL SILVER CO.

H & E-6-26

ROMANCE

			Doz
Tea Spoons	Inlaid	Plain Box	$8 34
Dessert Spoons	Inlaid	Plain Box	16 14
Table Spoons	Inlaid	Plain Box	16.68
Soup Spoons R B	Inlaid	Plain Box	16 68
Dinner Forks	Inlaid	Plain Box	16 68
Breakfast Forks	Inlaid	Plain Box	16 14
Tea Spoons	Inlaid	Super Case or Roll	9 18
Dessert Spoons	Inlaid	Super Case or Roll	17 10
Table Spoons	Inlaid	Super Case or Roll	17 72
Soup Spoons R B	Inlaid	Super Case or Roll	17 72
Dinner Forks	Inlaid	Super Case or Roll	17 72
Breakfast Forks	Inlaid	Super Case or Roll	17.18

SPOONS

Baby s (Bent Handle)	Super Case,	each	1.11
Berry or Salad, Serving,	Super Case,	each	3.63
Bouillon	Super Case,	six	8.07
Coffee -Demi Tasse	Super Case,	six	4 17
Educator Short Handle	Super Case,	each	1 11
Five o Clock Tea or Sherbet	Super Case	six	4.46
Iced Tea or Parfait	Super Case,	six	6 69
Olive	Super Case	each	1.34
Orange or Grape Fruit	Super Case	six	5 84
Preserve	Super Case	each	3.07
Sugar	Bag or Super Case	each	1 38

FORKS

Cold Meat or Salad Serving	Super Case,	each	2 23
Dried Beef	Super Case	each	1.94
Educator (Short Hand e)	Super Case	each	1 11
Five o Clock Tea	Super Case	six	6.69
Ice Cream	Super Case	six	6.69
Oyster	Super Case,	six	8.30
Pastry, Individual	Super Case	six	8.34
Pickle	Super Case	each	1 67
Salad, Individual	Super Case	six	8 34

KNIVES AND LADLES

Butter Knife	Bag or Super Case,	each	1 38
Butter Spreaders	Super Case,	six	6.86
Gravy Ladle	Super Case	each	2 77
Soup Ladle	Super Case	each	8.38
Whipped Cream Ladle	Super Case	each	2 23

SPECIAL SERVING PIECES

Dessert Server	Super Case, each	4 73
Jelly Server	Super Case each	1 96
Sugar Tongs	Super Case, each	2 23
Tomato or Egg Server	Super Case each	3.63

SOLID HANDLE CUTLERY IN ROLLS

Dinner Knife, French Blade	doz	12 80
Dinner Knife, French Blade Stainless	doz	17 64
Breakfast Knife French Blade	doz	12.34
Breakfast Knife French Blade Stainless	doz.	17 40
Fruit Knife Solid Handle Stainless	doz	15.72

HOLLOW HANDLE CUTLERY

Dinner Knives	In Rolls doz	27 70
Dinner Knives, Stainless	In Rolls, doz	39 24
Breakfast Knives	In Rolls doz	27.32
Breakfast Knives Stainless	In Rolls, doz	29 60
Butter Spreaders	Super Case, doz	23 40
Cheese Server	Super Case each	3 07
Fruit Knives Stainless	Serving Case, doz.	27 70
Pie Server	Super Case, each	5 03

HOLLOW HANDLE CARVING SETS

3-Piece Meat Set Stainless Blade	Super Case, set	20.12
2-Piece Game Set, Stainless Blade	Super Case, set	15.44
3-Piece Steak Set, Stainless Blade	Super Case, set	16.18
2-Piece Steak Set, Stainless Blade	Super Case set	10 12
Poultry Shears	Plain Box, each	12.52

SOLID HANDLE

2-Piece Steak Set, 6-inch Stainless Blade, Super Case	set	6.26

TWO-PIECE SETS IN SUPER CASES

Sugar Shell and Butter Knife	set	2 77
Educator Spoon and Fork	set	2 23
H H Salad Set, Olivewood Tines,	set	8 36

THREE-PIECE CHILD'S SETS IN SUPER CASES

With H H Knife	set	3.80
With S H Knife	set	3.15

TWELVE-PIECE KNIFE AND FORK SETS IN LINED SUPER CASES

		Set
612-A	Dinner Set H H Knives	22 18
612-AS	Dinner Set H H Knives, Stainless	23 46
612-B	Breakfast Set H H Knives	21 04
612-BS	Breakfast Set H H Knives Stainless	22 88
612-E	Dinner Set S H Knives	14 64
612-ES	Dinner Set S H Knives, Stainless	17.16
612-C	Breakfast Set S H Knives	14 24
612-CS	Breakfast Set S H Knives, Stainless	16 76

HOLMES & EDWARDS

SUPER PLATE—INLAID

Is Different

INTERNATIONAL SILVER CO.

Illustrations Full Size

H & E-6-26

COAT COMPASSES
MARBLE'S

Made with water-proof screw case, with agate bearings. Boxes are 1⅛ inches in diameter. The bracket is made like a double safety pin, and fastens securely to the coat, vest or belt. It is in plain view at all times. It balances so accurately that you can keep your direction while walking. It cannot become erratic through partial demagnetization. No. 082L has luminous dial which points the way as plainly in the dark as in the light.

No. 182 With stationary dial, weight, 2 ounces.....Each, **$1.25**
No. 082 With revolving dial, weight, 2 ounces.....Each, **1.50**
No. 082L With luminous revolving dial; weight, 2 ounces.....Each, **$2.00**

One in a Box, Twelve in a Carton

MATCH BOXES
MARBLE'S WATERPROOF

Can be quickly opened and closed in the dark and is absolutely water and moisture proof. Made of seamless drawn brass, heavily nickel plated with knurled body. Has rubber cover inside the cover
No. 181 Inside diameter, ¾ inches. Holds 20 matches . . . . . Each, **$0.60**

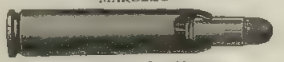
One in a Box, Twelve in a Carton

BROKEN SHELL EXTRACTORS
MARBLE'S

Extractor slips inside the broken shell, grabs it by the nose and one motion of the lever throws out extractor and the broken section

Made for all calibers from .22 automatic to .45 inclusive
No. 180 State Caliber. . . . . Each **$0.75**

AUXILIARY CARTRIDGES
MARBLE'S



For Rimless Cartridges

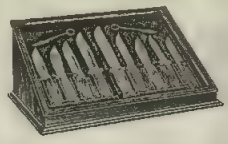
For .22 H. P. Cartridges

Places the pistol cartridges at the forward end of shell chamber for firing. Bullet takes rifling on being fired, does not strip and become deformed; does not lead the barrel. Gives thoroughly satisfactory results. It allows the use of very cheap ammunition for small game or target shooting in a large high-power rifle.

Furnished in the Following Sizes

No. 150 Size .30 Remington for use with .32 short Colt cartridges.
No. 151 Size .30-30 for use with .32 short Colt cartridges
No. 152 Size .25-35 for use with .25 Colt Auto. cartridges
No. 153 Size .25-36 Marlin for use with .25 Colt Automatic
No. 153 Size .303 Savage for use with .32 Smith & Wesson smokeless
No. 154 Size .303 Savage for use with .32 Colt Auto cartridges
No. 155 Size 30-40 for use with .32 Smith & Wesson smokeless
No. 157 Size .30-40 for use with .32 Colt Automatic
No. 158 Size .32 W. S. for use with .32 Colt Automatic.
No. 159 Size .30 Government Rimless '03 and '06 for use with .32 Colt Automatic.
No. 161 Size .22 Savage H. P. for use with .22 L. R. smokeless, semi smokeless and lesmok
No. 162 Size .30 Government Rimless '03 and '06 for use with .32 S. & W Smokeless
No. 163 Size .25 Remington for use with .25 Colt Automatic
No. 164 Size .32 Remington for use with .32 Colt Automatic.
No. 165 Size .303 British for use with .32 S. & W
No. 166 Size .303 British for use with .32 Colt Automatic.
No. 167 Size .35 Remington for use with .380 Colt Automatic.
No. 168 Size .35 Winchester for Model '95 for use with .380 Colt Automatic
No. 169 Size 8 MM for use with .32 Colt Automatic
No. 170 Size .250-3000 Savage for use with .25 Colt Automatic
No. 171 Size .250-3000 Savage for use with .25 short Stevens R. F.
No. 172 Size .300 Savage for use with .32 Colt Automatic.
Any Caliber . . . . . Each, **$0.75**

HUNTING KNIVES
MARBLE'S ASSORTMENT



Contains twenty of the most popular hunting knives for hunters, boy scouts, campers and fishermen. Put up in a beautifully designed mahogany finished case with glass top and green velvet lined removable tray. Door at rear opens to compartment for surplus knives and sheaths. Knives with stag handles are of real stag horn. Leather handles are of sole leather washers. The tangs are full length of handle. For description of knives see pages 990 and 991.

Contents:

2 **No. 41**—4¼ in. Ideal with leather handle and sheath.
2 **No. 42** 5 in. Ideal with staghorn handle and sheath.
2 **No. 45**—6 in. Ideal with leather handle with hilt and sheath.
2 **No. 46**—7 in. Ideal with staghorn handle with hilt and sheath.
2 **No. 49** 4½ in. Woodcraft with leather handle and sheath
2 **No. 50** 4¾ in. Woodcraft with staghorn handle and sheath.
2 **No. 545** 5 in Expert with leather handle and sheath.
2 **No. 83** 4½ in Safety with staghorn handle and sheath.
2 **No. 79** 2 in. Trout with sheath.
2 **No. 78**—4 in Folding Fish (no sheath)
No. 95 Assortment Size of display case, 12x20 inches..Each, **$35.50**

MARBLE'S IDEAL

The blade in the Marble's Ideal knife is adapted to sticking and skinning. It is oval ground at back of point for chopping bones and other hard substances. Every knife is forged from razor steel and is hand tempered and tested. They are keen, heavy, beautifully made and slide into the sheath up to the tip.

With Leather Handle

Have a heavy tang onto which are driven washers made of sole leather, red and black fibre and brass. Bolster is brass. Tip is aluminum. All parts held rigidly in place by a round brass nut sunk into tip, engaging the threaded tang. Knife is highly polished.

Length of Blade, Inches	4¼	5	6
Weight, Ounces	6	7	8
No. 41 With No. 34 Sheath, Each	**$2.50**	**2.75**	**3.00**

With Leather Handle With Hilt

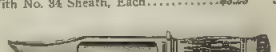
Same construction as No. 41 except has full brass hilt instead of bolster.

Length of Blade, Inches	4¼	5	6
Weight, Ounces	6	7	8
No. 45 With No. 39 Sheath, Each	**$2.50**	**2.75**	**3.00**

With Stag Handle

Handles are composed of two grooved slabs of selected stag horn carefully riveted together and driven on the tang. Brass bolster. Tip is stag horn. Knife is highly polished.

Length of Blade, Inches	4½	5	6
Weight, Ounces	6	7	8
No. 42 With No. 34 Sheath, Each	**$3.25**	**3.50**	**3.75**



With Stag Handle With Hilt

Same construction as No. 42 except has full hilt instead of bolster.

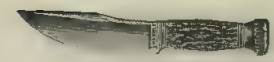
Length of Blade, Inches	4¼	5	6
Weight, Ounces	6	7	8
No. 46 With No. 34 Sheath, Each	**$3.25**	**3.50**	**3.75**

All the Above, Six in a Box

HUNTING KNIVES

MARBLE'S WOODCRAFT

No. 49 Leather Handle



No. 50 Stag Handle

Adapted for sticking, skinning, cleaning, slicing, breaking bones, etc. The thick back with tapering bevel blade carries the strength from handle to point, allowing it to serve the purpose of a thin blade, and yet has a surplus of strength. It is an all-purpose knife that will meet every requirement of the hunting, fishing or canoeing trip. Every knife is forged from razor steel and is hand tempered and tested. They are keen, heavy, beautifully made and slide into the sheath up to the tip. Tips are made of aluminum. Point protector furnished with each sheath. Knife is highly polished. Length of blade 4½ inches, length of handle 3¾ inches. Weight 4½ ounces.
No. 49 Leather handle, with No. 39 sheath.....Each, **$2.25**
No. 50 Stagborn handle, with No. 39 sheath.....Each, **3.00**

Six in a Box

MARBLE'S EXPERT

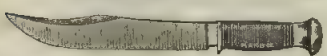
Leather Handle

Is particularly designed to meet the requirements of the professional hunter, trapper and guide who requires a thin, keen edge for dressing skins and furs. The back of the blade is designed for scraping skins while on the forms. Razor steel blade, leather handle, aluminum tip. Furnished with sheath No. 34.
No. 545 Length of blade 5 inches, weight 4½ ounces...Each, **$2.50**

Six in a Box

MARBLE'S TRAILMAKER

Leather Handle



There is no one cutting tool that will serve as many purposes as the "Trail Maker." A wonderful amount of work can be accomplished with it when blazing or cutting a way through thick undergrowth or cane brake. Tent poles, light fire wood and trees up to several inches in diameter can be cut as quickly as with an axe. Razor steel blade, leather handle. Furnished with sheath No. 41.
No. 56 Length of blade, 10 inches; length of handle, 5 inches; weight, 1 lb. Each, **$5.50**

One in a Box

MARBLE'S DEWEESE

Stag Handle

Designed by Dall DeWeese, for use on expeditions after big game. It has a dull saw back on which the thumb is placed when skinning or cutting hard substances. When sticking, the little finger should be doubled up, letting the end rest against it. This prevents hand from slipping forward. Razor steel blade, stag handle. Furnished with sheath.
No. 62 Length of blade, 4 inches; length of handle, 3¼ inches; weight, 4 ounces .....Each, **$2.00**

Six in a Box

MARBLE'S SAFETY

Open

Closed

This knife will appeal especially to that class of woodsman and sportsman who object to a sheath knife, and yet want a knife that is heavy, strong and rigid. Each knife is furnished with a sheath to fit it when folded, so that it can be carried at the belt when desired. They have a long blade with a short handle, utilizing the extension guard as a safety block when the knife is open. The guard, also the blade, are in position by a spring when either open or closed. The blades are of razor steel and have a bone chopper at back point. The hilts one on each side of the blade, and the bolsters and linings are of nickel silver. Side plates are of stagborn.
No. 83 Length of blade 4¼ inches, weight 4 ounces. Each **$3.50**
No. 85 Length of blade 5 inches, weight 6 ounces. Each **4.00**

Three in a Box

MARBLE'S SAFETY FOLDING FISH KNIVES

Open

Folded

The blade is made sharp at back of point for ripping and the back is an excellent fish scaler. The blade, when folded, is entirely protected by the nickel silver handle. When open it is as safe and rigid as a one-piece knife.
No. 78 Length of blade 4 inches, weight 8½ ounces....Each, **$1.50**

Six in a Box

MARBLE'S TROUT

Designed especially for dressing fish. Forged from finest cutlery steel equal to that used in best surgical instruments, 5⅝ inches long ⅛ of an inch thick. Insert little finger in ring, place remaining fingers and thumb back of blade and against the curve of the shank. Made in one piece, it is easily cleaned. Furnished with a metal bound leather sheath.
No. 79 Thickness, ⅛ inch; length, 5⅝ inches. Weight, 1 ounce .....Each, **$0.75**

Twelve in a Box

HUNTING KNIFE SHEATHS

MARBLE'S TUBE SHEATHS

Made of best quality leather. With point protector.

For Blade Inches	4¼	5	6
No. 34 Each	$0.60	.60	.60

MARBLE'S HILT KNIFE SHEATHS

Made of best quality leather. With point protector.

For Blade, Inches	4¼	5	6
No. 39 Each	$0.60	.60	.60

HUNTING KNIVES

REMINGTON

For hunters, trappers, fishermen, guides, boy scouts, girl scouts, woodsmen, forest rangers, campers, auto tourists, surveyors, etc. Every blade possessing a strong, durable, keen cutting edge, is a solid steel forging from special crucible cutlery steel, highly polished

One piece forged steel blade and tang with strong durable keen cutting edge; engraved solid, hard rubber handle; nickel silver thumb guard; hard cast aluminum cap. Handle securely and solidly locked with countersunk brass nut. Oak tanned leather sheath with snap fastener loop

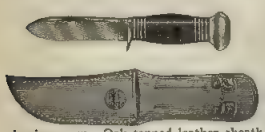
No.	RH28	RH29
Length of Blade, Inches	4⅛	5
Length Overall, Inches	8⅞	9
Weight with Sheath, Ounces	8	9
Each	$2.00	2.25

One piece forged steel blade and tang with strong durable keen cutting edge; indestructible Nova-stag handle, nickel silver thumb guard; hard cast aluminum cap. Handle securely and solidly locked with countersunk brass nut. Oak tanned leather sheath with snap fastener.

No. RH290 Length of blade, 5 inches, length overall, 9 inches; weight with sheath, 9 ounces.....Each, $2.25

One piece forged steel blade and tang with strong durable keen cutting edge. Handle made of leather, brass and colored fibre discs and permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap fastener.

No. RH32 Length of blade, 4½ inches; length overall, 8½ inches; weight with sheath, 8 ounces.....Each, $2.75



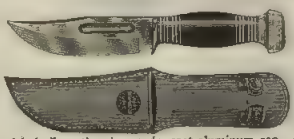
One piece forged steel blade and tang with strong durable keen cutting edge. Handle made of leather, brass and colored fibre discs and permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap fastener.

No. RH31 Length of blade, 3⅞ inches; length overall, 7⅞ inches weight with sheath, 6 ounces.....Each, $2.50

One piece forged steel blade and tang with strong durable keen cutting edge. Handle made of leather, brass, and colored fibre discs and permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap fastener.

No. RH33 Length of blade, 4½ inches; length overall, 9 inches; weight with sheath, 10 ounces.....Each, $3.00

All the Above, One in a Box; Six in a Display Carton



One piece forged steel blade and tang with strong durable keen cutting edge Handle made of leather, brass and colored fibre discs and permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap loop fastener

No. RH34 Length of blade, 5 inches, length overall, 9⅝ inches; weight with sheath, 11 ounces. . . . . Each, $3.50

One piece forged steel blade and tang with strong durable keen cutting edge. Handle made of leather, brass and colored fibre discs and permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap loop fastener.

No. RH35 Length of blade, 5¼ inches; length overall, 9¾ inches; weight with sheath, 11¼ ounces.....Each, $3.75

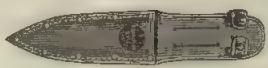
One piece forged steel blade and tang with strong durable keen cutting edge. Handle made of leather, brass and colored fibre discs, permanently locked with countersunk brass nut; nickel silver thumb guard; cast aluminum cap. Oak tanned leather sheath with snap loop fastener

No. RH36 Length of blade, 6¼ inches; length overall, 10⅝ inches; weight with sheath, 12 ounces.....Each, $4.00

All the Above, One in a Box, Six in a Display Carton

HUNTING KNIFE SHEATHS

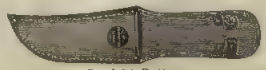
REMINGTON



Regular Pattern

Made of solid oak tanned leather, solidly machine stitched and riveted. Snap loop fastener.

For Blade, Inches	3⅜	4¼	5	5¾	6¼
No. S2 Each	$0.75	.75	.75	.75	.75



Straight Pattern

For Blade, Inches	4¼	5
No. S8 Each	$0.50	.50

Loose, Not Packed

ADJUSTABLE PLANES

STANLEY "BED" ROCK

In the Bedrock Planes the bottom of the Frog is machined so as to make it a tongue which fits into a groove formed in the bottom of the Plane. This insures great solidity and perfect alignment between the Frog and the bottom. The movement of the Frog in the groove for widening or opening the throat and the loosening or tightening of the Frog to the base of the plane is governed by screw adjustment which may be operated without removing the cap on the cutter. Rosewood Handles and Knobs

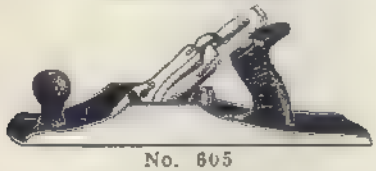
SMOOTH

No. 603.

No. 604.

With Smooth Bottom	Each
No. 602—7 in. Long, 1⅝ in. Cutter, Weight Each 2½ Lbs.	$4.25
No. 603—8 in. Long, 1¾ in. Cutter, Weight Each 3¼ Lbs.	4 40
No. 604—9 in. Long, 2 in. Cutter, Weight Each 3⅝ Lbs.	4.85
No. 604½—10 in. Long, 2⅜ in. Cutter, Weight Each 4⅜ Lbs.	5.35

JACK AND FORE



No. 605

With Smooth Bottom	Each
No. 605—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4½ Lbs.	.55
No. 605½—Jack, 15 in. Long, 2¼ in. Cutter, Weight Each 6½ Lbs.	6 25
No. 606—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7⅜ Lbs.	7 10

JOINTER

With Smooth Bottom	Each
No. 607—22 in. Long, 2⅝ in. Cutter, Weight Each 8¾ Lbs.	$8.15
No. 608—24 in. Long, 2⅝ in. Cutter Weight Each 9¾ Lbs.	9 70

SMOOTH, JACK, FORE AND JOINTER

No. 603C.

No. 606C

With Corrugated Bottom	Each
No. 603C—Smooth, 8 in. Long, 1¾ in. Center, Weight Each 3¼ Lbs.	$4.65
No. 604C—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3⅝ Lbs.	5.10
No. 605C—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4½ Lbs.	5.85
No. 606C—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7⅜ Lbs.	7.50
No. 607C—Jointer, 22 in. Long, 2⅝ in. Cutter, Weight Each 8¾ Lbs.	8.55
No. 608C—Jointer, 24 in. Long, 2⅝ in. Cutter, Weight Each 9¾ Lbs.	10.20

All Above, One in a Box.

BAILEY IRON BENCH

In the Bailey Plane the Frog may be adjusted for width of throat opening after removing the Cap and the Cutter and slightly loosening the screws. Rosewood Handle and Knob.

SMOOTH

No. 3.

No. 4.

With Smooth Bottom	Each
No. 1—5½ in. Long, 1¼ in. Cutter, Weight Each 1¼ Lbs.	$3 00
No. 2—7 in. Long, 1⅝ in. Cutter, Weight Each 2¼ Lbs.	3 85
No. 3—8 in. Long, 1¾ in. Cutter, Weight Each 3⅛ Lbs.	4 00
No. 4—9 in. Long, 2 in. Cutter, Weight Each 3¾ Lbs.	4 40
No. 4½—10 in. Long, 2⅜ in. Cutter, Weight Each 4¾ Lbs.	5 00

JACK, FORE AND JOINTER

No. 6.

With Smooth Bottom	Each
No. 5—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4¾ Lbs.	$5.00
No. 5½—Jack, 11½ in. Long, 1¾ in. Cutter, Weight Each 3¾ Lbs.	4 50
No. 5½—Jack, 15 in. Long, 2¼ in. Cutter, Weight Each 6¾ Lbs.	5.70
No. 6—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7¾ Lbs.	6.50
No. 7—Jointer, 22 in. Long, 2⅝ in. Cutter, Weight Each 8 Lbs.	7.40
No. 8—Jointer, 24 in. Long, 2⅝ in. Cutter, Weight Each 9¾ Lbs.	8.85

SMOOTH, JACK, FORE AND JOINTER

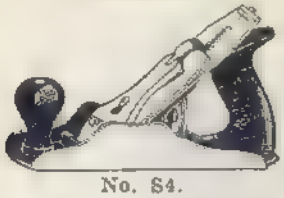
No 6C

With Corrugated Bottom	Each
No. 3C—Smooth, 8 in. Long, 1¾ in. Cutter, Weight Each 3 Lbs.	$4 20
No. 4C—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3¾ Lbs.	4 60
No. 4½C—Smooth, 10 in. Long, 2⅜ in. Cutter Weight Each 4¾ Lbs.	5.30
No. 5C—Jack, 14 in. Long, 2 in Cutter, Weight Each 4¾ Lbs.	5.80
No. 5½C—Jack, 11½ in. Long, 1¾ in. Cutter Weight Each 3¾ Lbs.	4 75
No. 5½C—Jack, 15 in. Long, 2¼ in Cutter, Weight Each 6¾ Lbs.	6.00
No. 6C—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7¾ Lbs.	6.80
No. 7C—Jointer, 22 in Long, 2⅝ in Cutter, Weight Each 8 Lbs.	7.80
No. 8C—Jointer, 24 in. Long, 2⅝ in. Cutter, Weight Each 9¾ Lbs.	9.30

All Above, One in a Box.

ADJUSTABLE STEEL PLANES

STANLEY



No. S4.

With Smooth Bottoms.

Rosewood Handles and Knobs.

These Planes are similar in design to the regular Bailey Iron Plane, but are of forged steel construction. They have the toughness to withstand a blow from a fall or other cause that would break the regular iron plane.

	Each
No. S4—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3 Lbs.	$4.85
No. S5—Jack, 14 in. Long, 2 in. Cutter, Weight Each 3¾ Lbs.	5.55

One in a Box.

ADJUSTABLE ALUMINUM PLANES

STANLEY

These new Planes are the regular Stanley "Bailey" type of Bench Planes having the same adjustable features as regards the frogs and cutters. The bottom and frogs are made of Aluminum instead of iron which provides an exceptionally light tool that will not rust. They are equipped with rosewood handles and knobs.

SMOOTH

With Smooth Bottom

	Each
No. A4—9 in. Long, 2 in. Cutter, Weight Each 2¼ Lbs.	$5.80

One in a Box.

JACK

With Smooth Bottom

	Each
No. A5—14 in. Long, 2 in. Cutter, Weight Each 2⅝ Lbs.	$6.60

One in a Box.

FORE

With Smooth Bottom

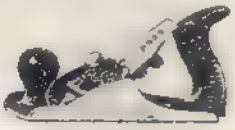
	Each
No. A6—18 in. Long, 2⅜ in. Cutter, Weight Each 3½ Lbs.	$8.80

One in a Box

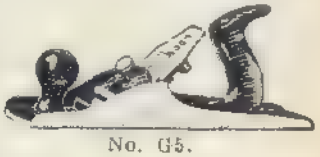
ADJUSTABLE IRON PLANES

GAGE SELF-SETTING

The Self-Setting Feature lies in the fact that the Plane Iron, if taken out to be sharpened, goes back in exactly the same position as before removed. Rosewood handle and knob, iron body.



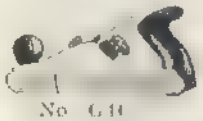
No. G4.



No. G5.

With Smooth Bottoms

	Each
No. G4—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3 Lbs.	$4.60
No. G5—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4¼ Lbs.	5.80
No. G6—Fore, 18 in. Long, 2¼ in. Cutter, Weight Each 5¾ Lbs.	6.80
No. G7—Jointer, 22 in. Long, 2½ in. Cutter, Weight Each 6½ Lbs.	7 80



No G4C

No G5C

With Corrugated Bottoms

	Each
No. G4C—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3 Lbs.	$4.85
No. G5C—Jack, 14 in. Long, 2 in Cutter Weight Each 4¼ Lbs.	5.55
No. G6C—Fore, 18 in. Long, 2¼ in. Cutter, Weight Each 5¾ Lbs.	7.15
No. G7C—Jointer, 22 in. Long, 2½ in. Cutter, Weight Each 6½ Lbs.	8.15

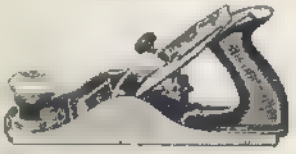
The upper part of the plane irons of these planes are cast and has a steel bottom fastened to it by screws.

One in a Box

SIEGLEY

These Planes have cutters adjustable lengthwise and laterally. The cutters are solid steel, very thin for fine work They have varnished hardwood handles and knobs.

SMOOTH



With Corrugated Bottoms

	Each
No. S4C—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3 Lbs.	$4 40

JACK, FORE AND JOINTER

With Corrugated Bottoms

	Each
No. S5C—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4 Lbs.	$5.00
No. S6C—Fore, 18 in. Long, 2¼ in. Cutter, Weight Each 5½ Lbs.	6 50
No. S7C—Jointer, 22 in Long, 2⅜ in. Cutter, Weight Each 6½ Lbs.	7 40
No. S8C—Jointer, 24 in. Long, 2⅜ in. Wide, Weight Each 9½ Lbs.	8 80

One in a Box.

WOOD BOTTOM PLANES

BAILEY ADJUSTABLE

A Wood Plane of Superior Quality. The Bottom, Handle, and Knob are made from selected and well seasoned beech, the Cutters are the regular "Bailey" Type, and are adjustable both endwise and sidewise.

The Frog is held in place by two machine screws which pass through the top iron and screw into two brass lugs. These lugs are screwed and securely pinned into the wood bottom. This method holds the wood bottom and top iron firmly together. Black Japanned Iron Frame.

HANDLED, SMOOTH

	Each
No. 35—9 in. Long, 2 in. Cutter, Weight Each 3¼ Lbs.	$4.20
No. 36—10 in. Long, 2⅜ in. Cutter, Weight Each 4 Lbs.	4.75

One in a Box

JACK, FORE AND JOINTER

	Each
No. 26—Jack, 15 in. Long, 2 in. Cutter, Weight Each 3¾ Lbs.	$3.70
No. 27½—Jack, 15 in. Long, 2¼ in. Cutter, Weight Each 4¾ Lbs.	4.30
No. 28—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 5½ Lbs.	4.70
No. 31—Jointer, 24 in. Long, 2⅜ in. Cutter, Weight Each 6½ Lbs.	5.05
No. 32—Jointer, 26 in. Long, 2⅝ in. Cutter, Weight Each 7⅝ Lbs.	5.45

One in a Package.

WOOD BENCH PLANES

SMOOTH

Beechwood	Each
No. 8—8 in. Long, 2 in. Double Iron, Polished Start, Average Weight Each 1½ Lbs.	$2.00

JACK

Beechwood	Each
No. 18—16 in. Long, 2 in. Double Iron, Polished Start, Average Weight Each 4 Lbs.	$2.30

FORE

Beechwood	Each
No. 19—22 in. Long, 2⅝ in. Double Iron, Polished Start, Average Weight 6 Lbs.	$3.80

FANCY WOOD PLANES

SKEW RABBET

No. 146—Beechwood, Forged Steel Cutter

Width Cutter, In.	⅛	⅜	½	¾	1	1¼	1½
Wt. Each, Lbs..	⅜	⅜	⅞	1	1¼	1½	1½
Each	$2.30	2.30	1.40	1.40	1.40	1.50	1.60

NOSING

No. 113—Beechwood, Forged Steel Double Cutters

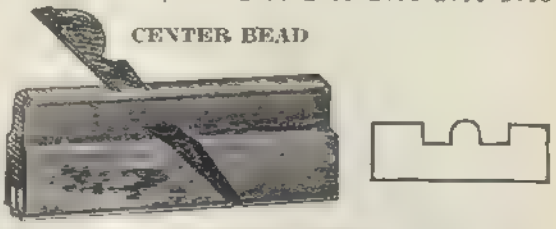
Width Cutter, Inches	¾	1	1¼	1½
Weight Each, Lbs.	1⅛	1½	1⅝	1⅞
Each	$3 20	3 20	3 20	3 70

SIDE BEAD

No. 47—Beechwood, Forged Steel Cutter, Single Boxed

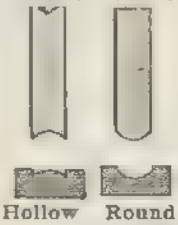
Width Cutter, Inches.	⅛	⅜	¼	⅜	½	½
Weight Each, Lbs.	⅝	⅝	¾	¾	⅞	⅞
Each	$1.70	1.70	1.70	1.70	1.70	1.70

CENTER BEAD



No. 51—Beechwood, Forged Steel Cutter, Double Boxed

Width Cutter, Inches.	⅛	⅜	¼	⅜	½	½
Weight Each, Lbs.	⅝	⅝	¾	¾	⅞	⅞
Each	$2.00	2 00	2 00	2.00	2.00	2.00



Hollow Round

HOLLOWS AND ROUNDS

The Round Plane Cuts the Hollow, and the Hollow Plane Cuts the Round.

Note—When Ordering Separate Planes, Always State Whether the Hollow or Round Plane is Wanted.

Beechwood, Forged Steel Cutters

Nos.	92A	92B	92C	92D	92E
Width Cutter, Inches.	¼	⅜	½	⅝	¾
Circle Worked, Inches.	½	¾	1	1¼	1½
Weight Pair, Lbs.	1	1¼	1½	1¾	2
Per Pair	$3.20	3.20	3.20	3.20	3 20

Nos.	92F	92G	92H	92I
Width Cutter, Inches.	⅞	1	1⅛	1¼
Circle Worked, Inches.	1¾	2	2¼	2½
Weight Pair, Lbs.	2¼	2¼	2½	3
Per Pair	$3.20	3.60	3.60	3.60

CROSS-CUT SAWS

HOLLOW BACK, CHAMPION TOOTH

Hibbard—The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness, taper ground, polished, without handles, 3½ in. wide.

No. X210 Hibbard—Feet	5	5½	6	6½
W't, lbs.	3½	3¾	4	5
Each	$4.10	4.50	4.80	5.20

LOOSE

Hibbard, cast steel, polished, without handles, 3½ in. wide.

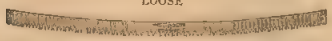
No. X7—Feet	5	5½	6	6½
W't, lbs.	3½	4¼	4¾	5
Each	$3.45	3.80	4.10	4.45

LOOSE

CRUSO, cast steel, polished, without handles, 3¼ in. wide.

No. X17—Feet	5	5½	6
W't lbs.	3¼	4¼	4¾
Each	$2.80	3.05	3.35

LOOSE

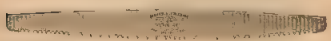


DISSTON'S, cast steel, polished, without handles, 3¼ in. wide.

No. X8—Feet	5	5½	6
W't, lbs.	3¼	4	4½
Each	$4.90	5.45	5.80

LOOSE

PLAIN TOOTH



DISSTON'S, cast steel patent ground, 14 to 16 gauge, without handles.

No. X6—Feet	4	4½	5	5½	6
Width at center, in.	6¼	6½	6¾	7	7¼
W't, lbs.	3¾	4¼	5¼	6¼	7
Each	$5.90	6.65	7.35	8.10	8.90

LOOSE

CHAMPION TOOTH

Hibbard, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. X9—Feet	5	5½	6	6½
Width at center, in.	7	7¼	7½	7¾
W't, lbs.	7½	8	8½	9
Each	$5.10	5.65	6.20	6.80

LOOSE

DISSTON'S, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. X2—Feet	5	5½	6
Width at center, in.	7	7¼	7½
W't, lbs.	6¼	7	8
Each	$7.35	8.10	8.90

DISSTON'S, cast steel, polished, extra thin back, graduated from 14 to 18 gauge, without handles.

No. X1—Feet	5	5½	6
Width at center, in.	7	7¼	7½
W't, lbs.	5¼	6¼	7
Each	$8.45	9.35	10.20

LOOSE

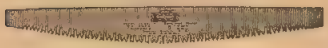
SIMONDS', crescent ground champion tooth. Made of Simonds' crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back. Cut easy, saw fast and wear well. Polished, 14 to 19 gauge, without handles.

No. X13—Feet	4½	5	5½	6	6½
Width at center, in.	5½	6¼	6⅝	7	7¼
W't, lbs.	4¼	5¼	6¼	7¼	8¼
Each	$10.65	12.00	13.35	15.55	18 00

LOOSE

CROSS CUT SAWS

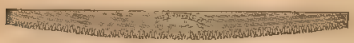
TUTTLE TOOTH



[illegible], finest crucible steel, especially hardened and tempered, taper-ground, polished, graduated 14 to 19 gauge, without handles.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. X200 [illegible]—Feet	5	5½	6	6½
Width at center, in.	6½	7	7½	7½
W't, lbs.	5	6	6½	7½
Each	$7.80	8.55	9.35	9.90



These saws are known as Crescent Ground Cottonwood saws. They are particularly adapted for use in lumbering operations throughout the lower Mississippi Valley and bordering states.

SIMONDS', crescent ground cottonwood pattern. This saw is slightly narrower than the standard straight back saw. Teeth are ground to an even thickness throughout the entire length of the blade. Made of Simonds' polished, 14 to 19 gauge.

No. X326—Feet	5½	6	6½	7
Width at center, in.	5½	5¾	6¼	6¾
W't, lbs.	5½	6¼	7⅛	8
Each	$13.35	15.55	18.00	20.45

LOOSE

Hibbard
HARDWARE
FOR
HARD~WEAR

TUTTLE TOOTH

ATKINS' cast steel, graduated from 14 to 18 gauge, without handles.

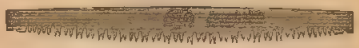
No. X331—Feet	5	5½	6	6½
Width at center, in.	6½	6¾	7	7½
W't, lbs.	5	6	7	7½
Each	$8.45	9 20	10.10	11.00

ATKINS', cast steel, graduated from 14 to 19 gauge, without handles.

No. X332—Feet	5	5½	6	6½
Width at center, in.	6½	6⅝	7	7½
W't, lbs.	5	5½	6½	7½
Each	$9.00	10.00	10.90	11.80

LOOSE

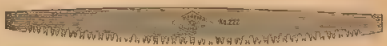
DIAMOND TOOTH



[illegible], Lone Star pattern, 14 to 18 gauge, high grade spring steel, extra thin back, without handles, all 5½ in. wide at center.

No. X205 [illegible]—Feet	5	5½	6	6½
W't, lbs.	4½	5	5½	6½
Each	$7.55	8.35	9.00	9.80

LOOSE



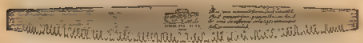
ATKINS, special steel, graduated from 14 to 18 gauge, without handles.

No. X222—Feet	5	5½	6
Width at center, in.	6⅝	6⅞	7½
W't, lbs.	4½	5½	7½
Each	$9.10	10.10	11.00

LOOSE

CROSS CUT SAWS

PERFORATED LANCE TOOTH

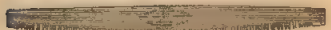


The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

[illegible], 14 to 19 gauge, high grade spring steel, without handles.

No. X215 [illegible]—Feet	5	5½	6	6½
Width at center, in.	5⅞	6⅜	6⅝	7⅛
W't, lbs.	4⅞	5⅜	6⅜	7⅜
Each	$8.80	9.65	10.45	11.35

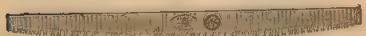
LOOSE



DISSTON'S, spring steel, extra thin back, graduated from 14 to 18 gauge, without handles.

No. X16—Feet	5½	6
Width at center, in.	6⅛	6½
W't, lbs.	5⅝	6⅞
Each	$11.90	12.90

LOOSE



DISSTON'S BUZZ, highest grade crucible steel, carefully ground tempered and polished, 14 to 19 gauge, four cutting teeth to each raker.

No. X470—Feet	5	5½	6
Width at center, in.	5⅛	5⅝	6
W't, lbs.	5¼	5¾	5⅞
Each	$11.10	13.20	15.00

LOOSE

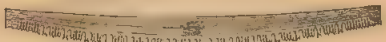
ATKINS', perfection, silver steel, perforated, lance tooth, 14 to 20 gauge, medium width, four cutting teeth to each raker, without handles.

This saw is especially adapted for hard wood and frozen timber.

No. X4—Feet	5½	6
Width at center, in.	5⅞	6
W't, lbs.	5⅛	6
Each	$13.10	15.10

LOOSE

PERFORATED LANCE TOOTH



SIMONDS, cast steel, polished 14 to 19 gauge, four cutting teeth to each raker, used largely in the middle West and South.

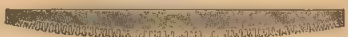
No. X133—Feet	5½	6	6½
Width at center, in.	5½	5⅝	6
W't, lbs.	4½	5⅛	6⅛
Each	$13 35	15.55	18.00

LOOSE

SIMONDS', crescent ground, lance tooth. Made of Simonds crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back, polished, 14 to 19 gauge, without handles.

No. X22—Feet	5	5½	6	6½
Width at center, in.	6⅛	6⅝	7	7⅜
W't, lbs.	5½	6¼	7¼	8⅛
Each	$12.00	13.35	15 55	18.00

LOOSE



SIMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge.

No. X316—Feet	5½	6	6½	7
Width at center, in.	5⅛	5⅝	6⅛	6⅝
W't, lbs.	5½	6	6⅝	7⅛
Each	$13.35	15.55	18.00	20.45

LOOSE

SIMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge, four cutting teeth to each raker.

No. X324—Feet	5½	6	6½	7
Width at center, in.	5⅛	5⅝	6⅛	6⅝
W't, lbs.	5⅛	6	6⅛	7⅛
Each	$13.35	15.55	18.00	20.45

LOOSE

SIMONDS', Crescent ground, Lance Tooth, four cutting teeth to each raker, made of Simonds' Crucible Steel, polished, 14 to 19 gauge, this is a narrower saw than other numbers.

No. X325—Feet	5	5½	6
Width at center, in.	4⅜	4½	4⅝
W't, lbs.	4½	5	5½
Each	$12.00	13.35	15.55

LOOSE

1847 ROGERS BROS.
SILVERPLATE

ANNIVERSARY
PATTERN

The simple yet rich Colonial design suggests cordial hospitality and the atmosphere of family reunion and anniversary celebration

Tea Spoon

Dessert Fork
Flat Handle

Dessert Spoon

Six in Box, Prices per Dozen

8501	Tea Spoons	$9.18
8502	Dessert or Oval Soup Spoons	17.74
8503	Table or Serving Spoons	18.36
8504	Soup Spoons, round bowl	18.36
8505	Dinner Forks, flat	18.36
8506	Dessert or Luncheon Forks, flat	17.74
85005	Bouillon Spoons, in blue velvet lined box, set of six	$8.87

Hollow Handles, Nickel Silver, Silver Soldered. Six in Flannel Roll, Prices per Dozen

85402s	Dinner Knives, Stainless French Blades	$21.30	85414	Dessert or Luncheon Knives, Stainless Blades	$30.62
85401	Dinner Knives, Plated Blades	28.70	85404	Dessert or Luncheon Knives, Plated Blades	28.42
85403s	Breakfast Knives, Stainless French Blades	21.30	85416	Dinner Forks	28.70
85403	Breakfast Knives, Plated Blades	28.70	85417	Dessert or Luncheon Forks	28.42

Embossed Solid Handles. Six in Racked Box, Prices per Dozen

85472s	Dinner Knives, Stainless French Blades	$18.28	85478	Dinner Forks	$13.06
85471	Dinner Knives, Plated Blades	13.06	85479	Dessert or Luncheon Forks	12.76
85474	Dessert or Luncheon Knives, Plated Blades	$12.76			

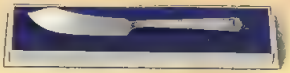
Dinner Knife
Hollow Handle
Stainless
French Blade

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.
SILVERPLATE

Fancy pieces in Velvet Lined Gift Boxes without extra charge

ANNIVERSARY

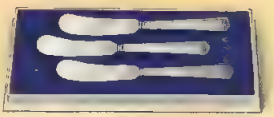


85201 Butter Knife, bent handle, each $1.54

85017 Sugar Shell, each $1.54

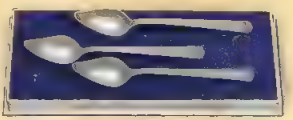
85013 Olive Spoon, each $2.14

85108 Pickle Fork, short, each $1.84



85202 Butter Spreaders, set of six $7.68

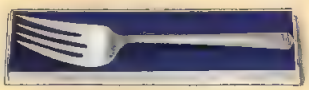
85301 Butter Knife and Sugar Shell, per set $3.06



85014 Orange or Grape Fruit Spoons, set of six $6.45

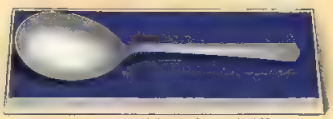
85111 Salad Forks, individual, set of six $7.18

85252 Cucumber or Tomato Server each $3.98



85103 Cold Meat Fork, large, each $2.46
85104 Cold Meat Fork, small, each 2.14

85227 Gravy Ladle each $3.06
85226 Cream Ladle, each 2.46
85229 Medium Ladle, each 4.70



85003 Berry or Salad Spoon, large, each $3.98
85004 Berry, small, or Preserve Spoon, each $3.38

85254 Pie or Ice Cream Server, hollow handle, each $5.52

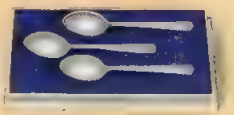
85430s Bird or Steak Set, 2 pieces, per set $10.44
85438s Bird or Steak Set, 3 pieces, per set 14.66
85437s Game Set, 2 pieces, per set $15.98
85436s Carving Set, 3 pieces, per set $20.86
Nickel Silver, Silver Soldered, Hollow Handles, Stainless Blades

e-6-25

1847 ROGERS BROS.
SILVERPLATE

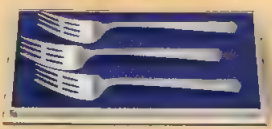
ANNIVERSARY

Fancy pieces in Velvet Lined Gift Boxes without extra charge



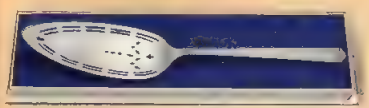
85008 Coffee Spoons, set of six $4.56

85207 Sugar Tongs, each $1.46

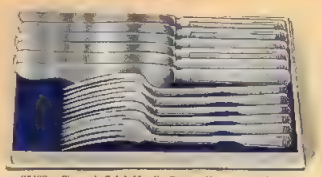


85107 Pie or Pastry Forks, set of six $9.18

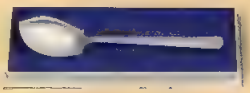
85106 Oyster Forks, set of six $5.52



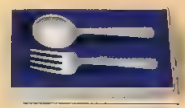
85253 Dessert Server, each $3.22



85483s Six each Solid Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $18.[illegible]
85483 Above, Knives with Plated Blades, per set $15.70
85484 Dessert, Knives with Plated Blades, per set 1[illegible].21
85481s Six each Solid Handle Dinner Knives, Stainless French Blades, and Dinner Forks, per set $[illegible].[illegible]
85481 Above, Knives with Plated Blades, per set $13.06
85482 Dessert, Knives with Plated Blades, per set 12.76



85204 Jelly Knife or Server, each $2.14



85304 Baby Spoon and Fork, short handles, per set $2.46
85007 Baby Spoon, short handle, each $1.22
85111 Baby Fork, short handle, each $1.22

8501[illegible] Iced Tea Spoons, set [illegible] x $7.[illegible]

85350 Child's Set, 3 pieces, Solid Handle Knife, per set $[illegible].
85353 Child's Set, 3 pieces, Hollow Handle Knife, per set $4.40
[illegible] Child's Set, 2 pieces, per set $[illegible]

85435s Six each Hollow Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $24.82
85421 Above, Knives with Plated Blades, per set $[illegible].[illegible]
85422s Dessert, Knives with Stainless Blades, per set $24.18
85422 Above, Knives with Plated Blades, per set $2[illegible].06
85423s Six each Hollow Handle Breakfast Knives, Stainless French Blades and Flat Dinner Forks, per set $24.82
85423 Above Knives with Plated Blades, per set $2[illegible].51

INTERNATIONAL SILVER CO.

A. C. SPARK PLUGS

ONE PIECE CONSTRUCTION.

THE BIG SELLING TYPES

No. C5159—1075—For Fords, per box of 10.....$3.00

No. C5160—**Extra Porcelains** for above, per box of 10.....$4.90

No. C5152—Type "A," ⅞ in. Regular, will fit:

*Cadillac	Lincoln
*Chrysler	*Maxwell
*Flint	*Nash Light Six
Hupmobile	*Star
Jewett	Whippet

per box of 10.....$11.75

No. C5153—Type "B," ⅞ in. long, will fit:
*Chevrolet
*Oakland
*Buick (To 1924)
*Pontiac
*Cleveland
And other cars using this size,
per box of 10.....$11.75

No. C5156—Type "C," SAE, long, will fit:
Buick
*Nash Special Six
*Nash advanced
*Oldsmobile Six (To 1926)
*Oakland (To 1924)
And other cars using this size,
per box of 10.....$11.75

No. C5149—Type "D," ⅞ in. long thread, will fit:
Dodge Brothers
*Chandler
Graham Bros.
Cunningham
And other cars using this size,
per box of 10.....$11.75

No. C5157—Type "W," long metric, will fit:
*Essex
*Hudson
per box of 10.....$11.75

OTHER TYPES OF AC SPARK PLUGS

No. C5148—Type "H" SAE, extra long.....per box of 10 $11.75
No. C5154—Type "I" ⅞ in. long body.....per box of 10 11.75
No. C5155—Type "E" SAE Regular.....per box of 10 11.75
No. C5158—Type "F" ⅞ in. Regular Carbon Proof.....per box of 10 11.75
No. C5150—Type "Z" ⅞ in. Special for 1927 Packards and Studebaker.....per box of 10 11.75

*Indicates Used as Factory Equipment. One in a Box, Ten in a Carton. Approximate Weight Per Box 3½ Lbs.

9 *Reasons why AC Spark Plugs have the biggest demand, are the most profitable and the most satisfactory.*

1 **EQUIPMENT CREATES DEMAND**—Millions of cars per year are AC-equipped.

2 **POPULARLY PRICED.**

3 **IMPROVED DESIGN**—Absolutely gas-tight—insuring full power. Remains gas-tight after cleaning.

4 **BETTER INSULATOR**—Insures delivery of full spark.

5 **BETTER GLAZE**—So hard and smooth it effectively minimizes carbon accumulation.

6 **BETTER SPARKING POINTS**—Insure long life, easy starting and good performance.

7 **DEALER HELPS**—Display Cabinets, Window Displays, Signs, Folders, etc.

8 **SALEABILITY**—AC's are more saleable because of quality, price, advertising and an ever-increasing equipment demand.

9 **BUILD BUSINESS**—Sell AC's by the set of 4 or 6.

CHAMPION SPARK PLUGS

Fits all Ford cars, trucks and Fordson tractors continuously since 1911

FOR FORD CARS

No. C5280 — A15 — ⅞ in., petticoat core, two-piece, w't per box 4 lbs., per box of 10....$10.00

X LONG FOR FORDS AND TRACTORS

No. C5295 - A25 — ⅞ in. long, petticoat core, two-piece, w't per box 4 lbs., per box of 10....$10.00

No. C5289 — 1 — Two-piece petticoat core, ¾ SAE. Fits Auburn, Durant 6, Gardner, Haynes, Lexington, Locomobile, Marmon (from '26), Studebaker, Stutz 4, Willys-Knight Light 6, w't per box 3 lbs., per box of 10....$11.75

No. C5291—2—¾ in. reg., petticoat core, two-piece. Fits Cadillac, Chrysler, Flint, Hupmobile 4 & 8, Jewett, Lincoln, Packard, Paige, Pierce Arrow, Willys-Knight Great 6, w't per box 4 lbs., per box of 10....$11.75

No. C5293—7—⅞ in. long, regular two-piece. Fits Overland 4, Reo, most stationary and marine engines, w't per box 3 lbs., per box of 10....$11.75

No. C5288—3—⅞ in. long, reg., two-piece. Fits Ajax, Chandler (from '23), Chevrolet, Cleveland, Dodge Brothers, Hupmobile 6, Marmon (to '26), Oakland (from '24), Pontiac, Star, Stephens, Yellow Cab, w't per box 4½ lbs. per box of 10, $11.75

No. C5292—4—⅞ in. long body regular, two-piece. Fits Chandler (to '23), Jordan, Maxwell, Moon, Overland 6, Peerless Willys-Knight 4, w't per box 4 lbs., per box of 10.....$11.75

No. C5290—6—⅞ in. long, special, petticoat core, two-piece. Fits Buick, Durant 4, Gray, Oakland (to '24), Oldsmobile 4 & 6, Rickenbacker, w't per box 4½ lbs., per box of 10.....$11.75

CORES

No. C5283—A105—To fit plugs C5280, per box of 10....$4.90

CORES

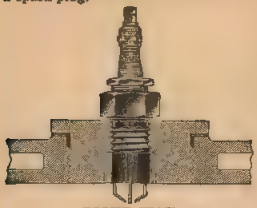
No. C5299—A205—To fit plugs C5295, per box of 10....$4.90

CORES

No. C5303—A204—To fit plugs C5291,5288, C5293, C5292, C5290, per box of 10....$6.00

POSITION OF SPARK PLUG IN CYLINDER

The correct position of the spark plug electrodes within the cylinder is an important item and the successful operation of an engine depends to a great extent upon the correct fitting of a spark plug.



RIGHT WAY

This illustration shows the correct position of the firing points of the plug in position in the cylinder.

The best results are obtained when the firing points are surrounded by the fresh gaseous mixture.

WRONG WAY

This illustration shows the improper fitting of a plug in the cylinder.

The recess between the firing points and the top of cylinder forms a pocket for burnt gas and permits carbon to accumulate rapidly, causing the plug to misfire.

Excessive oil in the combustion chamber, or too rich mixtures of gasoline will cause any spark plug to become fouled or short-circuited by carbon deposits. Unless you remove the cause of the trouble by giving proper attention to engine valves, pistons, rings, lubrication, carburetor adjustment, etc., cleaning will give you temporary relief.

It is also necessary to make any spark plug function perfectly to see that the gap between the electrodes (where the spark jumps) is kept adjusted to .020 to .032 inch. The requirements of any particular engine may vary—you may have to experiment to find just the right setting. When you have found it, keep your plugs always adjusted.

SPLITDORF SPARK PLUGS

No. C5272A—P179, ½ in. Ford Special w't per doz. 4 lbs.,
per box of 10.....$11.10

No. C5273A—P165, ⅞ in. long, w't per doz. 4 lbs.....per box of 10 $12.90

KINGSTON MICA

These plugs are made from mica of best obtainable grade and are recognized as the standard of all mica plugs.

No. C5300—½ in.,
per box of 10.....$11.10

OVD

Our Very Best for Fifty Years Has Stood the Test

NICHOLSON TUNGSTEN COIL FILES

For spark gaps, spark plugs, magnetos, coils and contact points of all kinds.

No. C6470—6 in. long including handle, uniform thickness, bevel pointed, w't per doz. 1 lb.,
per dozen $1.90

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES

Hibbard COIL FILES AND GAP GAUGE COMBINED

Made of High Carbon Crucible Tool Steel with a percentage of chrome to permit filing tungsten.

Cutting of files is done under Swiss file process.

"GAP GAUGE"

Round spacer at end of handle is .025 in. thick which permits setting the points after filing, as this is the correct space between points.

No. C6469—Length overall 6 in., w't 3¼ oz.,
per dozen $1.65

ONE DOZEN ON A CARD. WE DO NOT BREAK CARDS

SPARK PLUG WRENCHES.

MOSSBERG

Pressed steel, double end, removable handle, will not crack or spread when in use. For ½ and ⅝ in. plugs, length 4 in.

No. C6473—453 **Openings 29-32 and 31-32 in.**, w't per doz. 7½ lbs., each $0 65

No. C6474—455 **Openings 29-32 and 1 1-32 in.**, w't per doz. 7½ lbs., each $0.65

ONE IN A CARTON.

MOSSBERG
For Ford Cars.

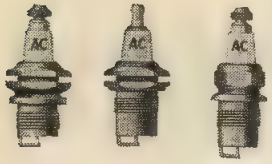
Wrench to fit spark plugs on Ford cars. Satin-nickel finish. Duplicate of Ford No. 2335.

No. C6475—635—Length 10 in., w't per doz. 6 lbs.,
each $1.25

SIX IN A CARTON

SPARK PLUGS.

AC TITAN.

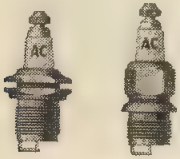


A B C

Type A. ⅞ inch Regular. For: *Cadillac, *‡Flint, Hupmobile, *Maxwell, *Star. Wt. of container of ten, 2 lbs. 8 ozs. .....Each **$0 75**

Type B. ⅞ inch Long. For: *Chevrolet, *‡Oakland, *Buick to 1924, *Durant Four, *‡Pontiac, *Cleveland. Wt. of container of 10, 2 lbs., 4 ozs. .....Each **$0 75**

Type C. SAE Long. For: *Buick, *Nash, *‡Oldsmobile Six, *Oakland to 1924. Wt. of container of ten, 2 lbs. .....Each **$0 75**



D E

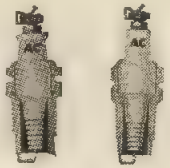
Type D. ⅞ inch Long Thread. For: ‡Dodge Brothers, *‡Chandler, *Hanson, Cunningham. Wt. of container of ten, 2 lbs., 6 ozs. .....Each **$0 75**

Type E. SAE Regular. For: Studebaker, *Durant Six, *‡Marmon, *‡Stearns-Knight, Velie. Wt. of container of ten, 2 lbs., 4 ozs..Each **$0 75**

AC Carbon-proof plugs are made in all sizes and carry the same letter designation with the word "Carbon-proof" across the end of the carton and container. In ordering be sure to specify **"Carbon-proof."**

Note—*Factory equipment; *‡AC Carbon-proof recommended.

Type F.—½ in. Regular.
Type G—Regular Metric.
Type H.—SAE Extra Long.
Type I.—⅞ inch Long Body.
Type J—⅞ in. Regular Spec., for *Chrysler.
Type K—⅞ inch Regular Heavy Elec.
Type L.—Metric, Long Body, Long Thread
Type M.—Metric, Long Body, Short Thread.
Type O.—Short Metric Special.
Type P.—Short Metric.
Type Q. ½ inch Long.
Type W.—Long Metric. For *Hudson, *Essex.
Type Z.—⅞ inch Special. For 1927 Models Studebaker and Packard.
AC Titan. All above.....Each **$0 75**



U T

AC 1075 FOR FORDS.

Type U. 2-piece .....Each **$0 50**
Type T. 1-piece .....Each **50**

⅛ inch Regular; spring terminal clip; heavy body porcelain; hexagon of extra length permits easy and positive application of spark plug wrench; high temperature fins; patented carbon proof porcelain; drip electrode forming natural oil drain. Made in one and two-piece designs.

Insulators.

No. AC 1075. For Type U Spark Plugs .....Each **$0 35**

AC LONG LIFE.

Made especially for bus, truck, marine and other heavy duty equipment.

Type D.—⅞ inch long thread. For Dodge Bros.; G M C; Graham Bros. .....Each **$0 90**

Type G.—Regular Metric. For Pierce Arrow R-9, Brennan M, E-4, D6, 100; Fageol; White .....Each **$0 90**

Type I.—⅞ inch long body. For American La France; Brockway; Diamond T; Fageol; Federal; Mack; Pierce-Arrow (except R 9); White; Yellow. Also recommended for trucks, tractors, etc, where types A, J and K plugs are specified on "proper plugs to use" chart .....Each **$0 90**

The AC Quick Seller is an added salesman. It occupies but little counter space and enables the dealer to place a handy and adequate stock on the counter convenient to the point of purchase. There are three types:

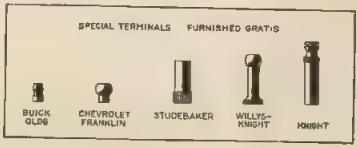
Type Regular. Holds 140 plugs; Size, 14¼x18. Shipping wt., 20 lbs.

Type Junior. Holds 50 plugs; size, 10¾x11½; shipping wt. 8½ lbs.

Type AC-1075. Holds 50 plugs; size, 10¾x11½; shipping wt., 8½ lbs.

Any type may be had by bringing stock of AC spark plugs to the capacity of type desired—shipped no charge from distributor's stock.

SPECIAL TERMINALS.



Packed in individual containers; 10 containers to a carton, weighing about 2¼ lbs.

SPARK PLUGS.

AC SIZE CHART.

Proper Plug to Use for Passenger Cars.

Car	Size	Type
*Ajax	⅞ in. Regular	A
*American	⅞ in. Long	B
*Anderson	⅞ in. Regular	A
*Apperson Eight	SAE Regular	E
*Apperson Six, 1924	SAE Extra Long	H
Auburn	⅞ in. Regular	A
*Bauer	⅞ in. Regular	A
*Buick to 1924, Inc.	⅞ in. Long	B
*Buick	SAE Long	C
*Cadillac	⅞ in. Regular	A
*Californian	⅞ in. Regular	A
*Case	⅞ in. Regular	A
*Chandler to 1923	⅞ in. Long Body	I
*Chandler, 1923	⅞ in. Regular	A
*‡Chandler Pikes Peak	⅞ in. Long Thread	D
*Checker Cab	⅞ in. Regular	A
*Chevrolet	⅞ in. Long	B
*Chrysler	⅞ in. Regular Special	J
*Cleveland	⅞ in. Long	B
*Cole	⅞ in. Regular	A
Cunningham	⅞ in. Long Thread	D
*Davis	⅞ in. Regular	A
Diana	⅞ in. Regular	A
‡Dodge Brothers	⅞ in. Long Thread	D
Dorris	⅞ in. Regular	A
*Dort Four	⅞ in. Regular	A
*Dort Six	SAE Extra Long	H
*Driggs	⅞ in. Long Thread	D
*Duesenberg	Regular Metric	G
*Dupont	⅞ in. Regular	A
*Durant Four	⅞ in. Long	B
*Durant Six	SAE Regular	E
Elcar	⅞ in. Regular	A
*Essex	Long Metric	W
*‡Flint	⅞ in. Regular	A
Ford	½ in. Regular	AC1075
Franklin	SAE Long	C
Gardner	⅞ in. Regular	A
‡Gray	⅞ in. Regular	A
*Gray-Dort Six	SAE Extra Long	H
*Gray-Dort Four	⅞ in. Regular	A
H. C. S.	⅞ in. Regular	A
H. C. S. Taxi	⅞ in. Long Body	I
*Haynes	SAE Regular	E
*Hertz	⅞ in. Regular	A
*Hudson to 1921	⅞ in. Regular	A
*Hudson	Long Metric	W
Hupmobile	⅞ in. Regular	A
*Jewett	⅞ in. Regular	A
‡Jordan	⅞ in. Regular	A
Kessler	SAE Regular	E
King	⅞ in. Regular	A

Proper Plug to Use for Passenger Cars.

Car	Size	Type
*Kissel "6"	⅞ in. Regular	A
*Kissel "8"	⅞ in. Long	B
Lexington	SAE Regular	E
Lincoln	⅞ in. Regular	A
Locomobile	⅞ in. Regular	A
Luxor	⅞ in. Regular	A
*‡Marmon	SAE Regular	E
*Maxwell	⅞ in. Regular	A
*McFarlan	SAE Extra Long	H
*McLaughlin	SAE Long	C
*McLaughlin to 1924	⅞ in. Long	B
Mercer "4"	SAE Long	C
Mercer "6"	⅞ in. Regular	A
Mitchell	SAE Regular	E
Moline-Knight	⅞ in. Regular	A
Moon	⅞ in. Regular	A
*Nash Light 6	⅞ in. Regular	A
*Nash ADV. and Special	SAE Long	C
*‡Oakland	⅞ in. Long	B
*Oakland '18 to '23	SAE Long	C
*Oakland to 1918	⅞ in. Regular	A
*Oldsmobile Eight	⅞ in. Regular	A
*‡Oldsmobile 4-6	SAE Long	C
Overland Four	½ in. Long	Q
Overland Six	⅞ in. Long Body	I
Packard	⅞ in. Regular	A
*Paige	⅞ in. Regular	A
Peerless	⅞ in. Regular	A
Pierce Arrow	⅞ in. Regular	A
*‡Pontiac	⅞ in. Long	B
*Premier	⅞ in. Regular Special	J
Reo	½ in. Long	Q
*Revere	⅞ in. Regular	A
‡Rickenbacker	SAE Long	C
Rollin	⅞ in. Regular	A
Rolls-Royce	Regular Metric	G
*Sandow Taxicabs	⅞ in. Regular	A
*Star	⅞ in. Regular	A
*‡Stearns-Knight	SAE Regular	E
Stevens-Duryea	⅞ in. Regular	A
Studebaker	SAE Regular	E
Studebaker to 1920	½ in. Regular	F
Stutz	SAE Regular	E
Velie	SAE Regular	E
*Westcott	⅞ in. Regular	A
*White	⅞ in. Regular	A
*Wills Sainte Claire	Regular Metric	G
Yellow Cab	⅞ in. Regular	A

*Factory Equipment. ‡AC Carbon-proof Recommended.

SPARK PLUGS.

CHAMPION.

IN BLUE BOXES.

The concentration of the Champion Spark Plug Line to Blue Box numbers and the Champion X, is of great importance to the dealer. It means a more complete stock, with a smaller investment, a much more rapid turn over and more profit. They provide a type and size for every car. Champion special alloy electrodes will not burn or corrode; Sillimanite core, double silk ribbed semi-petticoat; carbon, heat and breakage proof.

No. 1—⅞ In. Standard.

No. 1. ⅞ in. Standard. For Auburn, Durant 6, Gardner, Haynes, Lexington, Locomobile, Marmon (from '26), Studebaker, Stutz 4, Willys-Knight 6. Wt., 4 ozs. .....Each $0 75

No. 3—⅞ In. Long Reg.

No. 4—⅞ In. Regular.

No. 3. ⅞ in. Long Regular. For Buick (to '24), Chandler, Chevrolet, Cleveland, Dodge Bros., Marmon (to '26), Oakland (from '24), Star, Stephens, Yellow Cab. Wt. 5 ozs.Each $0 75

No. 4. ⅞ in. Regular. For Cadillac, Chrysler, Flint, Hupmobile, Jewett, Jordan, Lincoln, Maxwell, Moon, Overland 6, Packard, Paige, Peerless, Pierce Arrow, Willys-Knight 4 and Big 6. Wt. 4½ ozs. .....Each $0 75

Packed in individual containers, 10 containers to a carton.

No. 7—½ In. Long Standard.

No. 6—⅞ In. Long Standard.

No. 6. ⅞ in. Long Standard. For Buick (from '24), Durant 4, Gray, Nash, Oakland (to '24), Oldsmobile 4 and 6, Rickenbacker.....Each $0 75

No. 7. ½ in. Long Standard. For Overland 4, Reo, most stationary and marine engines. Wt. 4 ozs..Each $0 75

Nos. 8 and 9—Metric Standard.

No. 8. Metric Standard. For Duisenberg, Rolls Royce, Wills Ste. Claire 6. Wt. 4 ozs. .....Each $0 75

No. 9. Metric Long. For Hudson (from '21) Essex. Wt. 3 ozs..Each $0 75

Packed in individual containers, 10 containers to a carton.

CHAMPION X.

IN RED BOXES.

X Long—⅛ Inch Long.

X Long. For Ford cars, trucks and Fordson tractors. Wt. 4 ozs..Each $0 60

Packed in individual containers; 10 containers to a carton.

CHAMPION CORES.

A-105.

A-205.

Gaskets furnished with all cores.

No. A-105. Plug type X -A15..Each $0 30

No. A-205. Plug type X Long—A25 .....Each $0 30
Extra Gaskets .....Each 04

Ten cores in a package, weighing about 12 ozs.

ALVIN SILVER

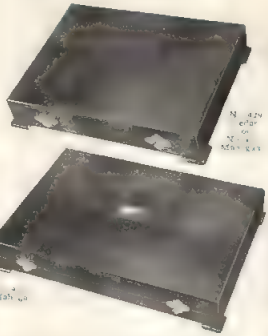
Long Life Plate

LOUISIANA

GRAY FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as Sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

This handsome velvet lined Gift Case will be furnished *free* with 26, 29, 32 or 39 piece combinations



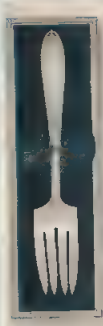
26, 50, 65 and 96 piece chests in Cedar or Mahogany. See seventh page following for prices.

·ALVIN·

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost

ALVIN SILVER

Long-Life Plate


COLD MEAT FORK

TOMATO SERVER

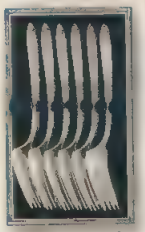
JELLY SERVER

SALAD SERVING FORK

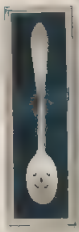
PICKLE OR OLIVE FORK

ASTRY SERVER

BERRY SPOON


INC SALAD FORKS

SUGAR SHELL


OLIVE SPOON

COFFEE SPOONS

CHEESE SERVER

BUTTER KNIFE

OYSTER FORKS

LOUISIANA

GRAY FINISH

Pieces Not Illustrated

BUTTER SPREADERS

ORANGE OR GRAPE FRUIT SPOONS

·ALVIN·

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combination is furnished with all patterns at a slight extra cost

ALVIN SILVER

Long Life Plate

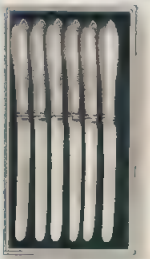
KNIFE AND FORK SET

FIVE O'CLOCK TEAS

FRUIT KNIVES

6 Handle $5 Blades
six $14.4

PIE SERVER



SIX ORANGE KNIVES

3 PIECE CHILD'S SET

CED TEA SPOONS

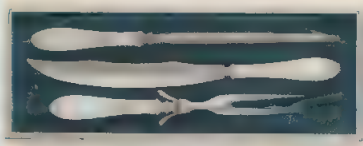
Per set of six $7.38

BUTTER KNIFE AND SUGAR SHELL

LADLES

LOUISIANA

GRAY FINISH



CARVING SET

BABY SPOON

Curved Handle

SUGAR TONGS

BABY SET

ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

New Cadillac Model 341 Larger Car Throughout

Wheelbase of 140 in., Torque Tube Drive and 341 cu. in. Engine With Side by Side Rods Are Features

By Athel F. Denham

NEW larger Cadillac is announced by the Cadillac Motor Car Company. It embodies a new larger engine of 341 cu. in. piston displacement, a new double disk dry clutch, torque tube drive, larger rear axle, and larger lower bodies on a longer, 140 in. wheelbase.

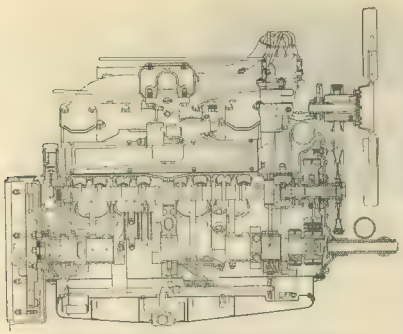
Individuality of appearance has been obtained in the new Cadillac by the use of stream lining, and balanced body design, rather than through the use of freakish or unusual departures. Luxurious interiors, higher standards of performance and a wider variety of body designs are all featurse of the new line. There are fourteen Fisher bodies in the line and twelve bodies by Fleetwood. The former include four open models, while the latter include four "transformable" body models.

Leading the chassis changes is the larger 8-cylinder V-type engine, having a bore and stroke of 3-5/16 by 4-15/16 in., giving an S. A. E. rating of 35.1 hp. Actual horsepower is 90 at 3000 r.p.m. As formerly, a three bearing crankshaft provided with weights compensating for the inertia forces of reciprocating parts is embodied in the engine. Main bearings are of the Chadwick interchangeable type, 2⅝ in. in diameter and with lengths from front to rear of 1 31/32, 1 11/16 and 2⅛ in. Crankpin journals are also 2⅛ in. in diameter, but the rods are now side by side on the journals. Connecting rods themselves are of alloy steel, 10½ in. between centers, and fitted with shimless die cast bearings at the crankpin ends. A bronze bushing is fitted in the small end, in which bears the ⅞ in. diameter, 3 3/32 in. long piston pin, which is locked in the nickel iron pistons. The latter are fitted with three ring grooves, two above the pin, and one below, all 3/16 in. wide, with the lower ring of the oil scraper type.

Four-bearing Support on Camshaft

Four-bearing support is used for the camshaft. The front bearing is of aluminum alloy, while the rear bearings are of

Seven-passenger sedan on new Cadillac 341 chassis



Note the side by side rods of the 341 Cadillac engine

bronze. Following are camshaft bearing sizes:

	Diameter	Length
Front	1⅛	1 13/16
Front center	2 ⅜	1
Rear center	2⅜	1¾
Rear	1 11/16	1 9/16

Camshaft drive is by means of a non-adjustable chain from the crankshaft. A second chain is used to drive the water pump and generator which are mounted in tandem. This chain is adjustable through a bracket on the generator.

Inlet Valves of Tungsten Steel

Inlet valves are of tungsten steel, with a 30 degree seat, while the silicon chromium exhaust valves have a 45 degree seat. Both have a 1⅛ in. head diameter and ⅜ in. stems. Tappet clearance for the inlet is .004 in., and for the exhaust .006 in., both adjusted cold.

Engine lubrication is similar to that used in the Cadillac 314. Oil capacity, however, now is eight quarts (seven quarts refill).

A two-inch single jet carburetor of Cadillac manufacture, provided with an air plunger in the accelerating well, and thermostatic air valve control is used in connection with an improved manifold. Fuel is fed to the carburetor from a larger 21-gallon tank at the rear through a vacuum tank on the dash, manifold vacuum being assisted by a vacuum pump driven from the rear end of the camshaft.

A new style of exhaust manifold is also incorporated on the engine. The manifold from the right hand block is brought across the engine Vee at the front end and joins the manifold from the left hand block, from whence it passes into a single exhaust pipe and muffler. A heat control valve is also provided in the left hand exhaust manifold, which when turned on, forces all exhaust gases from the left hand block to pass through a jacket around the inlet manifold Tee in the Vee of the engine, into the exhaust manifold of the right hand block.

With the increase in engine size, the cooling system has also been enlarged. Water capacity is six gals. The cellular radiator is higher and deeper than formerly and is provided with thermostatically operated radiator shutters. A six bladed "Automotive" fan driven by a Vee belt is standard.

Delco-Remy electrical units are used, the distributor having a semi-automatic advance, and starter engagement being by means of a mechanical gear shift. Included in the electrical system is a 130 amp. hr. Exide battery.

Engine suspension is of the three-point type. The front end is supported in a trunnion mounting to the front frame cross member, while the rear supports are rubber cushioned, flanged rubber bushings being used.

Assembled in unit with the engine is the double plate clutch and three speed transmission. The clutch consists of two carbon steel driven disks, faced on both sides with 9½ in. outside diameter asbestos facings. Springs, levers, etc., are all mounted on the flywheel in order to reduce the inertia forces of the clutch plates.

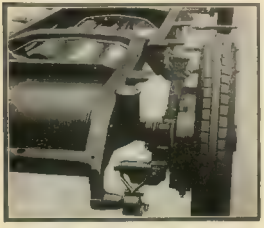
With the adoption of a torque tube drive and in order to reduce transmission noises, the former aluminum transmission case has been replaced by a cast iron housing. Gears and bearings, however, are similar to those used in the Cadillac 314. Directly back of the transmission case is a ball and socket universal joint, connecting the transmissions mainshaft to the 2⅛ in. propeller shaft enclosed in the torque tube. Lubrication of the universal joint is automatically taken care of by oil from the transmission case.

All Cadillac front seats are adjustable by means of the above control handle

Gears in the rear axle are larger than formerly, as is the differential carrier. Axle shafts are also longer than formerly, while the housing has been strengthened to provide for the torque tube drive now used. Brace arms are attached to the top of the axle housing, inside the spring pads, running to a point about midway forward of the torque tube. Springs are now underslung, contributing to the decreased overall height of the car.

With the change in type of drive, the rear spring front brackets have been redesigned, and are shackled to heavy malleable iron brackets attached to the frame side member. Rear brackets are of the ball and socket type. Front springs are now 42 by 2¼ in., and rear springs are 60 in. long and 2½ in. wide, all semi-elliptic.

Front axles remain virtually unchanged, as does the steering gear. Frames, however, in addition to greater length, are now provided with a five in. kickup over the rear and 1¾ in. kickup over the front axle. A new tubular cross-member has been added back of the engine supports, with the adoption of rubber cushioned engine mountings.



This shows the frame rear kickup and new front mounting of rear springs

This cross member is bolted to malleable iron brackets riveted to the underside of the frame side channel to facilitate removal of the transmission. From a point about midway of the frame to the front end, the side channels are of a double layer of sheet steel, the thickness of the frame side member proper being 5/32 in., while the reinforcing channel plate is ⅛ in. thick. Side members are 7⅛ in. deep and have 2⅝ in. flanges.

The inverted U shaped pressed steel members have been strengthened through the addition of horizontal flanges.

Brakes are similar in design to those used on the model 314, but larger, 16 in., drums are used. Front wheel brakes require 63 in. 2¼ in. wide 3/16 in. thick lining. Rear wheel service brakes take 91 in. of 2¼-in. wide, 3/16 lining, while the hand brake is lined with 2-in. wide lining, also 3/16 in. thick, 80¾ in. being required.

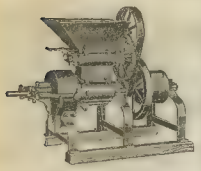
Other chassis changes include the adoption of a 4.75 to one standard gear ratio instead of 4.91 to one, as on the former model, re-location of the speedometer drive, which is now inside the universal joint instead of the transmission, adoption of Delco-Remy-Lovejoy hydraulic shock absorbers, mounting of the oil filter on the crankcase instead of on the dash as formerly, mounting of the starting motor in a horizontal position on the transmission case, instead of vertically at the rear of the crankcase, and the adoption of a new carburetor heat-deflector, covering carburetor and inlet manifold Tee. The gas tank filler has also been removed to the side of the tank, and is provided with a separate external pipe for venting the tank at the top. Tires are 32 by 6.75 on 20-in. wheels.

Rubber covered steel running-boards are now used. All driver's seats are adjustable fore and aft by means of a crank at the top of the seat back. On those models which have a full cross seat, adjustment affects the driver's seat only, made possible by the use of an invisible pleat in the center of the cross seat upholstery.

Dash instruments include engine thermometer, gasoline gage, electric clock, cigar lighter and a new type of ignition lock, which grounds the distributor in addition to opening the battery lead. With this new instrument board, the usual wood cross piece used with Fisher VV windshields has been eliminated, although the VV windshield has been retained.

Upholstery of the closed car is mohair velvet. Artillery wheels are standard.

GRINDING MILLS
KELLY-DUPLEX



Height 48 inches; outside distance between sills 27 inches; length of main shaft 61 inches; diameter of pulley 12 inches; width of face 9½ inches; diameter of grinding plates 12 inches; speed 900 to 1100 revolutions; will grind velvet beans without vines.

Power required to operate 12 to 20 H. P. gasoline engine or electric motor.

Each

No. 4—Capacity 40 to 65 bushels shelled corn per hour ..... ✣$313 50

Shipped loose; wt 850 lbs.

COMBINATION CUTTER AND GRINDING MILLS
KELLY-DUPLEX

Grinds alfalfa, corn fodder, clover hay, pea-vine hay, kaffir corn and milo maize in the head, with a portion or all of the stalk either alone or mixed in varied proportions with wheat, shelled corn, rye, oats or other small grain. Gears can be changed to cut fine, medium or coarse.

Height over all 44 in.; width 24 in.; outside distance between sills 24 in.; length of main shaft 46 in.; diam. of pulley 8 in.; width of face 6 in.; diam. of grinding plates 7½ in.; speed 800 to 1100 revolutions. Four extra plates furnished with each mill. Power required to operate 7 to 10 H. P. gasoline engine or electric motor.

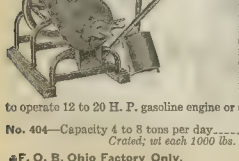
Each

No. 202 Capacity 2 to 4 tons per day..... ✣$313 50

Crated; wt each 700 lbs.

KELLY-DUPLEX

Grinds alfalfa, corn fodder, clover hay, pea-vine hay, kaffir corn and milo maize in the head, with a portion or all of the stalk either alone or mixed in varied proportions with wheat, shelled corn, rye, oats or other small grain. Gears can be changed to cut fine, medium or coarse.



Height over all 44 in.; width 27 in.; outside distance between sills 27 in.; length of main shaft 61 in.; diam. of pulley 10 in., width face 10 in.; diam. of grinding plates 12 in.; speed 800 to 1100 revolutions. Four extra plates furnished with each mill.

Power required to operate 12 to 20 H. P. gasoline engine or electric motor.

Each

No. 404—Capacity 4 to 8 tons per day..... ✣$432 00

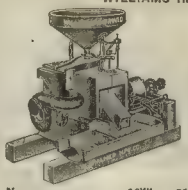
Crated; wt each 1000 lbs.

✣F. O. B. Ohio Factory Only.

BURR GRINDING MILLS

Especially designed ball-bearing to prevent heating. Well lined with babbitt and fitted with compression grease cups. The mill stones or burrs used are of the pearl flint grit which is the best burr known for grinding grain for table use.

WILLIAMS IMPROVED



With Blower.

Designed with special care, so as to leave as little meal as possible in the mill after grinding. This is obtained by two fans being attached to the runner stone. These fans draw a current of cool air between the bed and the runner stones while the mill is in operation, keeping the meal cool and cleanly blown out.

Nos.	16WI	20WI	24WI	28WI	30WI
Size burrs, ins.	16	20	24	28	30
Horse Power	4 to 6	5 to 7	7 to 10	9 to 11	10 to 12
Size pulley, ins.	10x6	12x6	14x6	14x6	14x6
Speed, R. P. M.	850	750	650	600	550
Cap. per hr., bu.	Meal 6 to 10 / Chops 12 to 20	8 to 12 / 16 to 25	9 to 15 / 20 to 30	11 to 18 / 23 to 38	12 to 20 / 25 to 40
Floor space, ins.	30x58	36x66	39x66	43x66	45x66
Wt each, lbs.	750	950	1200	1400	1600
Each	✣$240 00	✣$300 00	✣$390 00	✣$471 00	✣$498 00

WOOD ROLL CIDER MILLS
—BLUE GRASS—

Hardwood frames, varnished and striped; tubs are of wood staves, natural finish, riveted to japanned iron bands; straw color hoppers. Hardwood rolls, fitted with high carbon steel cutters; steel press screw; gearing is heavy and easy running.

—BLUE GRASS—BANTAM

Height over all 40 in.; tub 12x10 in.; hopper 12x14 in.; press screw 1¼ in. in diameter; floor space 20x23 inches.

For grinding and pressing grapes for wine, and for all small fruits, this mill has ample capacity for general use.

Each

No. B610B—Capacity ½ to 1 barrel per day..... $51 75

Shipped loose, set up; wt 119 lbs.

—BLUE GRASS—JUNIOR

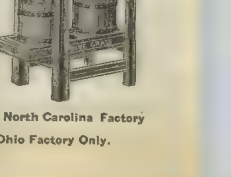
Height over all 40 in.; tubs 12x10½ in.; hopper 16x14¾ in.; press screw 1¼ in. in diameter; floor space 20x34 inches.

Designed especially for family use.

Each

No. B611—Capacity 2 to 4 barrels per day..... ✣$81 00

Shipped loose, set up; wt 172 lbs.



✣Williams Improved—F. O. B. North Carolina Factory Only.

✣Blue Grass Junior—F. O. B. Ohio Factory Only.

WOOD ROLL CIDER MILLS

—BLUE GRASS—

Hardwood frames, varnished and striped; tubs are of wood staves, natural finish, riveted to japanned iron bands; straw color hoppers. Hardwood rolls, fitted with high carbon steel cutters; steel press screw; gearing is heavy and easy running.

—BLUE GRASS—MEDIUM

Height over all 42 in.; tubs 12½x13½ in.; hopper 15½x19 in.; press screw 1¾ in. in diameter; floor space 22x35 inches.

Each

No. BG2M—Capacity 3 to 6 barrels per day. ✣$97 50

Shipped loose, set up; wt 253 lbs.

—BLUE GRASS—SENIOR

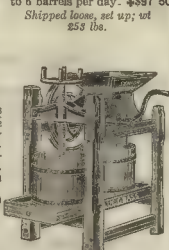
Height over all 45 in.; tubs 15x15½ in.; hopper 18½x21½ in.; press screw 2 in. in diameter; floor space 29x45 inches.

Designed for use where considerable capacity is required.

Each

No. BG3S—Capacity 6 to 10 barrels per day ✣$127 50

Shipped loose, set up; wt 567 lbs.



CIDER MILLS

—BELKNAP SPECIAL—

Adapted for grapes and small apples—large apples must be cut or quartered. Hopper enclosed and grinding mill made heavier than other mills of this style. Painted red with japanned castings. Height over all 46 ins; tub 11x11 ins inside; hopper 7x9 ins at top; press screw 1½x19½ ins; diam of crank wheel 16 ins; uprights 6x1¾ ins at bottom, 3¼x1¾ ins. at top; floor space 20x24 ins.

Each

No. 0BS—Capacity ¼ to 1 barrel per day $37 50

Shipped loose; wt each 115 lbs.

—CYCLONE—

Frame nicely finished, tub natural wood stave, riveted to japanned iron band; height over all 46 ins; tub 11x11 ins inside; hopper 7½x9 ins at top; press screw 1¼x25½ ins; diam fly-wheel 16 ins; uprights 5½x1¾ ins at bottom, 4¼x1¾ ins at top; floor space 20x23 ins.

Each

No. 10C—A first class single tub cider mill and wine press for family use; capacity 2 to 3 barrels per day; wt each 136 lbs $46 50

Shipped loose.

✣F. O. B. Ohio Factory Only.

CIDER MILLS

Frame varnished, natural wood finish with neat red stripes; tubs natural wood; castings japanned finish.

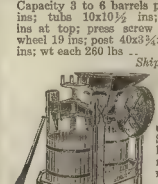
Substantially built of first quality material throughout and a high grade mill in every respect.

No. 1BS—Belknap Special Junior, Steel Roll; capacity 2 to 4 barrels per day; height over all 42 ins; tubs 10x10¾ ins; hopper 12x13½ ins; press screw 1¼x18½ ins; diam fly-wheel 18¾ ins; posts 36x3 ½x2¾ ins; floor space 34x20 ins; wt each 130 lbs ..... Each ✣$69 00

No. 2BS—Belknap Special Medium, Steel Roll.

Capacity 3 to 6 barrels per day; height over all 48 ins; tubs 10x10½ ins; inside hopper 14x14 ins at top; press screw 1½x21 ins; diam of fly-wheel 19 ins; post 40x3¾x2¾ ins; floor space 35x22 ins; wt each 260 lbs ..... ✣$90 00

Shipped loose.



—BELKNAP SPECIAL— SENIOR

Steel Rolls.

Hardwood frame, varnished natural wood finish with black stripes. Steel rolls and press screw; large hopper; gearing heavy and easy running; tubs natural wood staves riveted to japanned iron bands.

Height over all 48 ins; tubs 17x14¾ ins; hopper 17x15 ins; press screw 2x22 ins; diam fly-wheel 23 ins; posts 46x5x2¾ ins; floor space 45x30 ins.

Each

No. 3BS—Capacity 6 to 8 barrels per day ..... ✣$120 75

Shipped loose; wt each 415 lbs.

RED CROSS

Self Feed.

Hardwood frame, varnished; natural wood finish with black and red stripes. Tub natural wood staves, riveted to japanned bands. Shaft and press screw cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead.

Height of legs 4 ins; diam tub 14 ins; height tub 12 ins; press screw 1¾x24½ ins.

Each

No. 1SF—Capacity 1 to 2 barrels per day ..... ✣$46 50

Shipped loose; wt each 130 lbs.

RED CROSS

Hardwood frame, varnished natural wood finish with black and red stripes. Tubs are natural wood staves, riveted to japanned iron bands. Shafts and press screws cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead. Securely bolted and braced.

Each

No. 4R—Junior Iron rolls; Capacity 2 to 4 barrels per day; height legs 36 ins; tubs 10x12 ins; press screw 1¾x18¾ ins; wt each 180 lbs ..... ✣$62 25

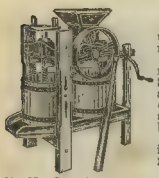
Each

No. 4E—Medium Iron rolls; capacity 3 to 6 barrels per day; height legs 40 ins; tubs 12x14 ins; press screw 1¾x20½ ins; wt each 235 lbs ..... ✣$73 50

Shipped loose.

✣No. 1BS—F. O. B. Ohio Factory Only. All other Nos. F. O. B. Indiana Factory Only.

CIDER MILLS



RED CROSS SENIOR

Hardwood frame, varnished natural wood finish with black and red stripes.

Tubs are natural wood staves, riveted to japanned iron bands. Shafts and press screws cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead securely bolted and braced.

Height legs 46 ins; tubs 14x17 ins; pulley 3½x18 ins; press screw 2x23½ ins.

Each

No. SR—Capacity 6 to 12 barrels per day ..... ✣$109 05

Shipped loose; wt each 341 lbs.

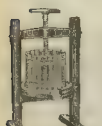
FRUIT PRESSES

Maple frame and tub, varnished natural finish. Securely bolted and braced.

Each

No. FPS—Diam tub 9½ ins; depth 9 ins; height over all 18¼ ins; width base 14¼ ins $14 55

Shipped loose, set up; wt each 22 lbs.



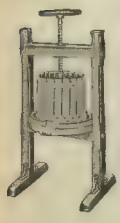
LANSING

Hardwood frame, varnished; wood stave tub, natural finish. Securely bolted and braced. Easily operated.

Each

No. GL—Capacity 8 qts; height over all 34 ins; diam of cylinder 9½ ins; height of cylinder 9½ ins ..... ✣$19 50

Shipped loose; set up.



Hardwood frame, varnished; wood stave tub, natural finish. Securely bolted and braced. Easily operated.

LANSING

Nos.	1L	2L	3L
Capacity, qts	14	20	30
Height over all, ins	37	47	49
Diam of cylinder, ins	12	14	16
Height of cylinder, ins	11	14	15
Wt each, lbs	70	146	230
Each	✣$31 50	✣$45 75	✣$83 25

Shipped loose; set up.

✣Red Cross—F. O. B. Indiana Factory Only

✣Lansing—F. O. B. Michigan Factory Only.

FRUIT PRESSES

RED CROSS

Hardwood frame, varnished; wood stave tub, natural finish; shaft and press screw of cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead, securely bolted and braced.

Nos.	1RCP	2RCP	3RCP
Height of legs, ins	36	40	46
Height of tub, ins	10	12	14
Diam of tub, ins	12	14	17
Diam of screw, ins	1¼	1¼	2
Length of screw, ins	18¼	20	23½
Wt each, lbs	72	100	168
Each	✣$30 00	✣$38 25	✣$52 95

Shipped loose; set up.

FRUIT CRUSHERS

Hardwood frame and removable hinged hopper, varnished natural finish; 3½ inch fluted maple crushing rollers 6 inches wide; outside gears insure uniform drive.

Each

No. FC10—Length hopper 21 ins, width 10½ ins; depth 10½ ins; height over all 13¼ ins $15 75

Two in crate; wt each 22 lbs.

GRAPE AND BERRY CRUSHERS

RED CROSS

Hardwood frame and hopper, varnished natural finish; iron parts painted gray. Self aligning bearings permit a great range of roll adjustment. Locked assembly of gears and rolls prevents them from coming loose on the shafts. Diameter rolls 5¾ inches, length 10 inches; size hopper at top 20x20 inches; depth 8 inches.

Each

No. BC—Length over all 28 ins; width 21 ins; height 15 ins ..... ✣$36 90

Shipped loose; wt each 100 lbs.

✣F. O. B. Indiana Factory Only.

Fruit Presses and Fruit Crushers sell everywhere. Are you carrying several in stock for immediate delivery to your customers?

CHROME VANADIUM WRENCH ASSORTMENT

BONNEY

VALVE TAPPET

Bonney "C-V" Assortment No. 308 Contains Three Each of Eight of the Most Popular Numbers of Bonney Chrome Vanadium Valve Tappet Wrenches. All Wrenches are Drop-forged from Chrome Vanadium Steel, Properly Heat Treated and Guaranteed.

Finished in Nickel with Buffed Heads.

With Each Assortment a Mahogany Finished Board with Hooks, Number Plates, etc., is Furnished Free of Charge. The Board is of a Convenient Size 25¾ Inches Long by 7¼ Inches Wide

The Complete Assortment is Packed in a Shipping Container and Weighs 8 Pounds. It Can be Shipped by Parcel Post.

Stock No.	Milled Opening	For S. A. E. Nuts Bolt Size	For U. S. S. Nuts Bolt Size	Extreme Length	Thickness of Head
402	5/16	1/4	1/4	3	1/8
402A	3/8	.....	.....	3	1/8
403	7/16	5/16	.....	3	1/8
403A	1/2	.....	5/16	3	1/8
404	9/16	3/8	.....	3	1/8
405	5/8	.....	3/8	3	1/8
406	11/16	7/16	.....	3	1/8
407	3/4	.....	.....	3	1/8

Per Asst

No. 308—Assortment (24 Wrenches)

Bonney "C-V" Assortment No. 614 Contains Six Each of Fourteen of the Most Popular and Best Selling Sizes of Bonney Chrome Vanadium Valve Tappet Wrenches A Wrenches are Drop-forged from Chrome Vanadium Steel, Properly Heat Treated and Guaranteed. With Each Assortment a Mahogany Finished Board with Hooks, Number Plates, etc., is Furnished Free of Charge. The Board is 31¼" Long by 16½" Wide and the Complete Assortment, Packed for Shipment, Weighs 52 Lbs.

Stock No.	Milled Opening	For S. A. E. Nuts Bolt Size	For U. S. S. Nuts Bolt Size	Extreme Length	Thickness of Head
401A	1/4	1/4	.....	3	1/8
402	5/16	1/4	1/4	3	1/8
402A	3/8	.....	.....	3	1/8
403	7/16	5/16	.....	3	1/8
403A	1/2	.....	5/16	3	1/8
404	9/16	3/8	.....	3	1/8
405	5/8	.....	3/8	3	1/8
406	11/16	7/16	.....	3	1/8
406A	3/4	.....	7/16	3	1/8
407	13/16	1/2	.....	3	1/8
407A	7/8	.....	1/2	3	1/8
408	15/16	9/16	.....	3	1/8
408A	1	.....	9/16	3	1/8
409	1 1/16	5/8	.....	3	1/8

Per Assortment

No. 614—Assortment (84 Wrenches) ....

BONNEY
Drop Forged Wrenches

The Following Assortment Consists of Display Board (i. e., 7¼ x 26 Inches) with Assortment of Wrenches for Varied Purposes. Three Each of Twelve Different Drop-forged Wrenches in Three Popular Designs, Suitable for Farm, Machine and Automotive Purposes. There are Three Each of Four Sizes of 22½° General Purpose Wrenches, No. 500A, 501A, 502 and 503, Three Each of Four Sizes of Double Head 15° Engineers Wrenches, Nos. 23, 25, 27 and 29. Three Each of Four Sizes of Light Cap Screw Wrenches, Nos. 725, 725B, 727 and 731A.

No.	Openings Finished Inches	Extreme Length	Thickness of Head	For U. S. S. Standard Nuts Bolt Size	For Hex. Head Cap Screws	For S. A. E. Standard Nut
500A	1/4 & 5/16	6 1/16	1/8	. . .	..	
501A	3/8 & 7/16	7 1/16	1/4	..	. .	
502	1/2 & 9/16	8 1/16	...	. ..	.	.
503	5/8 & 3/4	9 1/16	3/16	...	.	. .
23	11/16 & 13/16	4	1/4 & 1/4	1/4 & 1/4	..	. .
25	7/8 & 15/16	4 7/8	1/4 & 1/4	1/4 & 1/4		. .
27	1 1/16 & 1 1/8	5 1/2	1/4 & 1/4	1/4 & 5/16	. ....	. .
29	1 1/4 & 1 5/16	6 1/2	1/4 & 1/4	5/16 & 3/8	..	.
725	1/4 & 5/16	4 1/16	1/8	..	1/4 & 1/4	1/4 & 1/4
725B	7/16 & 1/2	4 1/2	1/8	.	1/4 & 1/4	1/4 & 1/4
727	1/2 & 9/16	5 1/2	1/8		1/4 & 1/4	1/4 & 1/4
731A	1/2 & 7/16	7 1/4	1/8	..	1/4 & 1/4	1/4 & 1/4

Per Assortment

No. 56—Assortment (36 Wrenches) ... .

VALVE TAPPET WRENCH SET

BONNEY

Three Pair of Finely Finished Extremely Thin, Strong Wrenches, Especially Designed for Adjusting Valve Tappets. Furnished in Pairs, Because in Many Tappet Assemblies Two Nuts of Same Size are Used to Lock Against Each Other. This Set Fits the Six Different S.A.E. Nuts Most Commonly Used on Valve Tappets.

Sizes, Inches 1/4 5/16 3/8 7/16 1/2 9/16

Per Set

No. 6CB $3.88

Set in cardboard box.

BONNEY CHROMEVANADIUM WRENCH SET

Bonney

An Assortment of Three (3) Popular Sizes Chrome Vanadium Wrenches. Each Set Contains a No. 1723, 1725B and a 1729 Wrench. Complete in a Durable Leatherette Roll.

These "C-V" Wrenches are Guaranteed to Strip the thread or Break the Bolt Without Injuring the Wrench. This Wrench Set is Very Popular with Mechanics.

Per Set

No. 1 .....

WRENCHES

"Premax"

Key-Kase Midget Wrench Set

Consists of Five (5) Hardened Double Ended Wrenches and One Screw Driver in a Heavy Leather Pocket Case. Will Fit All Square Head Nuts from 3/16 to 1/2 Inch.

Per Dozen Sets

No. MC .....

One dozen sets on display card.

WRENCHES

"Premax"

"Single Six" Set

Set of Six (6) Hardened Wrenches on a Key Ring. Will Fit Square and Hexagon Nuts from 1/4 to 5/8 Inches. Used on the Car, Vacuum Cleaner, Radio, etc.

Per Dozen Sets

No. SS .....

One dozen in a display box

"Radio" Wrench Set

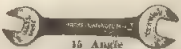
Specially Adapted Little Wrench Set for Radio Work. Five (5) Wrenches and Screw Driver. Fits All Radio and Small Nuts from 3/16 to 5/8 Inches.

Per Dozen Sets

No. M .....

One dozen sets on display card.

BONNEY CHROME VANADIUM WRENCHES



15° Angle

DROP-FORGED—CHROME VANADIUM STEEL (Heat Treated)

This Line of Open End Wrenches is the Highest Quality of Wrenches Made

Nickel Finish with Buffed Heads

For U. S. Standard, Cap Screws, Also S. A. E. Standard.

No.	S. A. E. Size	U. S. Standard Cap Screw	S. A. E. Standard Screw and Nut	Openings Milled	Extreme Length	Thickness of Heads	List Price Nickel Finished
1723		1/4 x 1		3/16 x 1/4	4 1/2	1/8	$ 96
1023	1/4 x 1			1/4 x 3	4 1/2	1/8	.96
1723A		5/16 x 1		1/4 x 1	4 1/2	1/8	96
1 25		1/2 x 3	1/4 x 1	5/16 x 1	5 1/2	1/8	1 16
1725B		5/16 x 1	1/4 x 1	5/16 x 1	5 1/2	1/8	1.16
1025	5/16 x 1			5/16 x 1	5 1/2	1/8	1.16
1727		3/8 x 1	3/8 x 1	3/8 x 1	6 1/2	1/8	1 40
1027	3/8 x 1			3/8 x 1	6 1/2	1/8	1 40
1027C	3/8 x 1			3/8 x 1	6 1/2	1/8	1 40
1029S	7/16			7/16	7 1/2	1/8	1 74
1729		7/16 x 1		7/16	7 1/2	1/8	1 74
1029	7/16			7/16	7 1/2	1/8	1 74
1731		1/2 x 1		1/2	8 1/2	1/8	2.14
1731A		1/2 x 1	3/8 x 1	1/2	8 1/2	1/8	2 14
1031	1/2 x 1			1/2 x 1	8 1/2	1/8	2 14
1033	9/16			9/16	9 1/2	1/8	2 64
1733		9/16 x 1	7/16 x 1	9/16	9 1/2	1/8	2 64
1033C			7/16 x 1	9/16	9 1/2	1/8	2 64

Same Wrenches as are Illustrated on Following Page. Set Consists of Six Wrenches Packed in a Leatherette Roll, Brown Cloth Bound, Lined with Blue Flannel.

CONTAINS

1—No. 1723
1—No. 1025
1—No. 1027C
1—No. 1029S
1—No 1731A
1—No. 1033C

List Per Set

No. 2S—Complete Set as Above $11 70

One set in a cardboard box.

BONNEY CHROME VANADIUM

15° ANGLE

An Assortment Somewhat Smaller Than the No. 618. Mounted on Wood Display Board Finished in Mahogany. Contents Are as Follows

Quantity	No.	List Price Each
3	1723	$ .96
3	1023	.96
3	1723A	.96
3	1725	1.16
3	1725B	1.16
3	1025	1.16
3	1727	1.40
3	1027	1.40
3	1027C	1.40
3	1029	1.74
3	1731A	2.14

List Per Se

No. 311—On Display Board as Above $43 32

FORD WRENCH SET

BONNEY

New and Strong Design, Milled to Fit Every Nut on a Ford Car. Also a Thin Wrench with Offset Bar, for the Reverse Gear and Brake Adjustment.

No	Openings	For Nuts and Cap Screws	Length, Ins.	Finished	No
23F	⅛ & ¼	⅛ A. L. A. M. Nuts ¼ Cap Screw ¼ A. L. A. M. Nuts ⅜ S. A. E. Nuts ⅜ Cap Screw ⅜ U. S. S. Nuts	4¼	$ .42	23F
25F	¼ & ⅜	¼ A. L. A. M. Nuts ⅜ Cap Screw ⅜ S. A. E. Nuts ⅜ Cap Screw	5	.56	25F
27F	⅜ & ½	⅜ A. L. A. M. Nuts ½ S. A. E. Nuts ½ Cap Screw	6	.82	27F
29F	½ & ⅝	½ A. L. A. M. Nuts ½ U. S. S. Nuts ⅝ A. L. A. M. Nuts ⅝ S. A. E. Nuts	6¼	.74	29F
33F	⅝ & ¾	⅝ A. L. A. M. Nuts ¾ S. A. E. Nuts ⅝ Cap Screw ¾ U. S. S.	9	1.10	33F
Reverse gear 100F	⅜ & ½		8¼	1.06	Reverse gear 100F

Per Set

No. 9B—Set in Cardboard Box $4.44
No. 9E—Set in Canvas Roll 5.20

BONNEY CHROME VANADIUM

ENGINEERS' TYPE -15° ANGLE

An Assortment of Chrome Vanadium Wrenches as Shown on Following Page, Mounted on Handsome Mahogany Finished Board 16½ Ins. Wide and 31¼ Ins. High. Contents are as Follows

Quantity	No.	List Price Each
6	1723	.96
6	1023	.96
6	1723A	.96
6	1725	1.16
6	1725B	1.16
6	1625	1.16
6	1727	1.40
6	1027	1.40
6	1027C	1.40
6	1028S	1.74
6	1729	1.74
6	1029	1.74
6	1031	2.14
6	1731	2.14
6	1731A	2.14
6	1033	2.64
6	1733	2.64
6	1033C	2.64

List Per Set

No. 61B—On Display Board as Above ... $ 180 72

For Shipment from factory only.
Full Freight Allowed

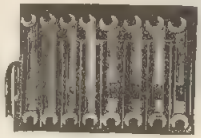
Bonney Chrome Vanadium Drop Forge Wrenches

Valve Tappet Type

Will Fit a Large Number of Tappet Adjustments on Automobiles and Trucks. Each Wrench Has Two Openings of Same Size but with Different Angles. This Set Very Strong Drop Forged from Chrome Vanadium Steel (Heat Treated)

Nickel Finish with Buffed Heads

No.	Milled Opening	For S. A. E. Nuts Bolt Size	For U. S. S. Nuts Bolt Size	Extreme Length	Thickness of Head	Each Nickel Finished
402	⅜	½	½	8	⅝	2.30
402A	⅜	½	½	8	⅝	2.30
403	⅜	⅝	⅝	8	⅝	2.70
403A	⅜	⅝	⅝	8	⅝	2.70
404	⅜	⅝	⅝	8	⅝	2.40
405	½	⅝	⅝	8	⅝	2.40
406	½	¾	¾	8	⅝	2.70
406A	½	¾	¾	8	⅝	2.70
407	½	¾	¾	8	⅝	2.70
407A	½	¾	¾	8	⅝	2.70



Set of Eight Wrenches in Leatherette Roll

Leatherette Roll, Brown Cloth Bound. Lined with Blue Flannel. Contains:

2—No. **402**, as above described.
2—No. **403**, as above described
2—No. **404**, as above described
2—No. **405**, as above described

Per Set

No. 412A— ....

Each Roll in a Cardboard Box

WRENCHES

BONNEY ASSORTMENT

The Following Assortment Consists of the Same High Quality Wrenches as Described Above and the Same Size Display Board (8 x 7½ x 26 Inches) but with a Different Assortment of Wrenches for More Varied Purposes. Three Each of Twelve Different Drop-forged Wrenches in Three Popular Designs, Suitable for Farm, Machine and Automotive Purposes. There are Three Each of Four Sizes of 22½° General Purpose Wrenches, No. 500A 501A, 502 and 503, Three Each of Four Sizes of Double Head 15° Engineer's Wrenches, Nos. 25, 25, 27 and 29. Three Each of Four Sizes of Light Cap Screw Wrenches, Nos. 725, 725B, 727 and 731A.

No	Openings Finished inches	Extreme Length	Thickness of Head
500A	⅛ & ¼	6¼	⅛
501A	⅛ & ¼	7⅛	⅛
502	⅛ & ¼	8⅛	⅛
503	⅛ & ¼	9⅛	⅛
23	⅜ & ⅜	4	⅛ & ¼
25	½ & ⅜	4⅜	⅛ & ¼
27	⅜ & ½	5⅜	⅛ & ¼
29	½ & ½	6⅜	⅛ & ¼
725	⅛ & ½	4⅜	⅛
725B	⅛ & ⅜	4⅜	⅛
727	⅛ & ½	5⅜	⅛
731A	¼ & ½	7¼	⅛

No.	For U. S. S. Standard Nuts Bolt Size	For Hex. Head Cap Screws	For S. AE. Standard Nut
25	⅛ & ½		
25	⅛ & ½		
27	⅛ & ½		
29	⅛ & ½		
725		⅛ & ⅛	⅛ & ⅛
725B		⅛ & ⅛	⅛ & ⅛
727		⅛ & ⅛	⅛ & ⅛
731A		⅛ & ⅛	⅛ & ⅛

Per Asst

No. 66—Assortment (36 Wrenches)

Celluloid Dolls

CELLULOID DOLL WITH MOVING ARMS

1½ inches Celluloid Doll with moving arms, painted features and hair. Big value. Packed one gross in box.

No. 34N144.
Per gross..... .96

CELLULOID DOLL

2¾ Inches High. Standing position. Flesh colored, painted features and hair 3 dozen in box

No. 34N108.
Per gross 2.00
Per dozen..... .18

ASSORTED CELLULOID DOLLS

Six Assorted Dolls ½ Girls, ½ boys 2¾ inches high, in brightly colored costumes standing position. 3 dozen in box.

No. 34N109. Per gross..... 3.00
Per dozen..... .27

CELLULOID FAT BABY DOLL

Comes in 2 Sizes. Made of good quality celluloid, with moving arms and painted features.

No. 34N106. 3 in. Doll 2 doz. in box
Per gross .. 3.75
Per dozen.... .33
No. 34N107. 4½ in. Doll 1 doz in box.
Per gross .. 7.20
Per dozen . .65

CELLULOID SHRINER DOLL

With Colored Fez, attractively colored in bright combinations. Painted features 3½ inches high. 8 dozen in box.

No. 34N110.
Per gross..... 4.00
Per dozen..... .35

CELLULOID DOLL WITH DIAPER

5 Inches High, painted, features, hair and diaper. Moving arms standing position One dozen in box

[illegible]
Per gross.... 8.50
Per dozen.... .75

CELLULOID GIRL DOLL

5 Inches High, painted coat, shoes and socks, very attractive face. Moving arms, good quality celluloid. 2 dozen in box.

No. 34N57.
Per gross..... 6.50
Per dozen..... .75

CELLULOID BATHING BOY

5 Inches High. Extra heavy celluloid. Fine painted features and fat with painted bathing suit in bright colors. Moving arms. 2 dozen in box.

No. 34N56.
Per gross 8.50
Per dozen. .. .75

CELLULOID DOLL

Celluloid Girl Doll, 6 inches high, with assorted colored dresses. Painted hair and features. Moving arms. Packed 1 dozen in box.

No. 34N148.
Per gross 9.00
Per dozen..... .80

CELLULOID DOLL WITH ROLLING EYES

5 Inch Celluloid Doll with Rolling Eyes. A very novel feature. Moving arms. Flesh colored body. Painted features and hair. Packed 1 dozen in box.

No. 34N92.
Per gross..... 9.00
Per dozen..... .80

CELLULOID VAMP DOLL

6 Inches high flesh colored fat body wavy hair. Big black painted eyes and showy eyelashes. An excellent doll for dressing or making pin cushions. One dozen in box.

No. 34N119.
Per gross. 9.60
Per dozen. .85

CELLULOID BOY WITH BAT
Special Value

6 Inch Celluloid Doll that closely resembles well known Juvenile Movie Actor. Painted shoes, pants, sweater bat and hat Neatly colored features and hair Packed 1 dozen in box.

No. 34N153.
Per gross..... 9.60
Per dozen..... .85

CELLULOID BOY DOLL ASSORTMENT

A Popular Priced Assortment of celluloid dolls representing a Policeman, Sailor, Boy Scout, Football Player, Aviator and Canoeist. They are so attractively painted in beautiful bright colors that their resemblance is almost natural. These dolls are 4 inches high. Packed two dozen in a box. Equally assorted.

No. 34N112. Per gross..... 7.20 | Per dozen..... .65

CELLULOID BOXER
Special Value

6 Inch Celluloid Boxer. Has painted gloves that look almost real. Painted features and hair. Colored trunks, socks and shoes Packed 1 dozen in box

No. 34N151.
Per gross.... 9.60
Per dozen.... .85

Baby Dimples and Baby Tynie Doll, Doll Carriages

Baby Dimples is the most life-like production of an infant ever offered. Has moving eyes, painted hair, full composition legs and arms, and soft cotton stuffed body. Soft white lace trimmed dress, cap to match. Socks and booties. Comes in three sizes.

17 inches.	20 inches.	22 inches.
No. 36N127.	No. 36N128.	No. 36N129.
Per doz.... 48.00	Per doz.... 51.00	Per doz.... 64.00
Each..... 3.50	Each..... 4.50	Each..... 5.75

BABY TYNIE

The Head Is Modeled from an Adorable American Baby just born and was made by an American artist. Dressed in short white fancy trimmed dress cap to match. Baby Tynie has moving eyes, painted hair, full composition arms, soft cotton stuffed legs and body. Comes in three sizes.

15 inches	20 inches	22 inches
No. 36N124.	No. 36N125.	No. 36N126.
Per doz.... 30.00	Per doz 42.00	Per doz . 48.00
Each..... 2.75	Each 3.75	Each.. .. 4.25

Loom Woven Round Fibre, seat, back and half sides lined in imitation corduroy. Body 21 inches long with back up, 24 inches long reclining 11½ inches wide, 30 inches to top of hood, 24 inches to handle; 8x2¾ inches double spoke rubber tire wheels with nickel plated hub caps.

No. 82N6. Each..... 5.00

Loom Woven Round Fibre, seat, back and half sides lined in imitation corduroy. Body 21 inches long with back up, 24 inches long reclining 11½ inches wide, 30 inches to top of hood, 24 inches to handle, 8x2¾ inches **double spoke rubber tire wheels with nickel plated** hub caps.

No. 82N7. Each..... 6.50

Loom Woven Round Fibre, seat, back and half sides lined in imitation corduroy. Has sliding hood fixtures and foot brake. Body 23 inches long with back up, 37 inches long reclining, 13 inches wide; 34 inches to top of hood 27 inches to handle. 10x1¾ inches rubber tire wheels. Nickel plated hub caps.

No. 82N8. Each.. ..... 8.75

Loom Woven Round Fibre, seat, back and half sides lined in imitation corduroy. Has sliding hood fixtures. Full tubular pushers and foot brake. Body 23 inches long with back up; 37 inches long reclining; 13 inches wide; 34 inches to top of hood and 27 inches high to handle. 10x1¾ inches rubber tire artillery wheels. Nickel plated hubcaps.

No. 82N9. Each..... 10.00

Celluloid Dolls

3- AND 3½-INCH CELLULOID JOINTED DOLLS

This stock just received. Strong, fresh elastic holds arms and legs at joints. Hand painted hair, eyes, etc. Good weight celluloid. Nicely moulded.

3 inch Doll	3½ inch Doll.
6 doz. in box.	1 doz. in box.
No. 34N88.	No. 34N91.
Gross.. 3.50	Gross.. 4.00
Dozen.. .30	Dozen.. .35

5½-INCH CELLULOID JOINTED DOLL

This is a full size doll with fat body in full proportion to legs. Arms and legs jointed to body with strong elastic. Well moulded. The hair, eyes, cheeks and lips are hand-painted. Body flesh color, a good weight celluloid. One dozen in box.

No. 34N86.
Gross.. 5.50 | Dozen... .75

7- AND 8-INCH CELLULOID JOINTED DOLLS

Very handsome celluloid Dolls with arms and legs jointed to body. Beautifully proportioned. Delicately hand tinted faces, hair, eyes and lips. Seams most carefully matched. Fresh resilient, elastic, heavy gauge celluloid.

No. 34N94.	No. 34N95.
7 inch doll	8 inch doll
Dozen.. 1.20	Dozen.. 1.85

7-INCH CELLULOID JOINTED BATHING GIRL

Celluloid Bathing Girl with very cute and attractive face made of heavy quality celluloid with brightly colored bathing suit and cap. Jointed at shoulders and hips, a very attractive number. One dozen in box.

No. 34N96.
Per dozen..... 1.85

5- AND 7-INCH CELLULOID CHEMISE DOLL

These Dolls have painted chemise and ribbon with rosettes in hair. Made of good quality celluloid with well rounded bodies. Jointed arms and legs. One dozen in box.

No. 34N113.	No. 34N58.
5 inch doll.	7 inch doll
Gross.. 8.50	
Dozen.. .75	Dozen.. 1.85

CELLULOID TRAFFIC COP

Celluloid Traffic Cop. Made in two sizes. A very attractive item that represents a traffic cop with one raised hand and the other directing traffic, the hands move. The cop is dressed in a colored gray cap, red coat, blue pants and white gloves.

No. 34N155.	No. 34N156.
Size 4½ in.	Size 5½ in.
Gross... 8.50	
Dozen... .75	Dozen... 1.00

CELLULOID DOLL

Real Hair Net and Ostrich Plumes

Surprisingly Beautiful 8½ Inch Celluloid Doll with real hair wig—blonde henna, etc., real hair and face net, also a gorgeous girdle of real ostrich plumes as pictured, in contrasting colors. Very beautiful new and appealing.

Packed one doz. assorted in box.

No. 36N60. Per dozen..... 1.75

CELLULOID LADY WITH GIFU PARASOL

An unusual celluloid doll with a miniature Gifu Parasol that opens and closes. The doll is 8 inches high and is dressed in contrasting colors. Painted features and hair. Packed one dozen in box.

No. 34N145. Per dozen..... 1.05

INDIAN IN CANOE

Different than anything offered in celluloid before. Indian in Canoe, dressed in his full regalia. Beautifully colored. Hands are movable. Comes in three sizes. One dozen in box.

No. 32N17.	No. 32N16.	No. 32N19.
Size 4 in.	Size 5 in.	Size 6 in.
Gross 5.50		
Dozen .75	Dozen 1.25	Dozen 1.95

Celluloid Novelties

3-inch Celluloid Doll with painted bottle and painted diaper. Flesh colored body, painted features and hair. Moving arms and legs. Two dozen in box.
No. 34N146. Per dozen. .... .30

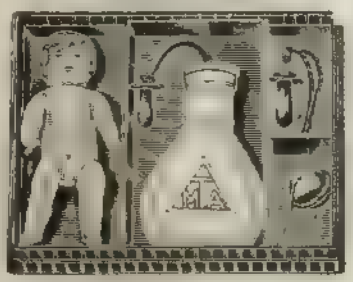
4-inch Celluloid with cloth diaper, real safety pin and painted bottle. Nicely colored features and hair. Moving arms and legs.
No. 34N80. Per dozen . .65

A Flashy Value that cost little money. Twins in flannel blanket that is decorated with embroidery. Each doll is 3 inches high with painted features and moving arms. The cushion is of cotton. Packed one dozen sets in box.
No. 34N134. Per dozen sets.. .75

Celluloid Bride and Grooms. Most popular item for favor. The bride is dressed with white skirt made of good quality tissue paper and silk veil with wreath of silk chenille, with a bouquet in her hand. The groom has painted dress coat and black paper high hat and rose in lapel. 5 inches high. One pair in box.
No. 7N110.
Per gross pair.. . . .. 9.60
Per dozen pair.. 85

Celluloid Felix Cats, Animals, Nursing Set, Etc.

NURSING SET



Nursing Set of exceptional value. Consists of celluloid double jointed doll 3 inches high nursing bottle with rubber nipple, pacifier and rattle. Packed one set in box 4x3 inches.
No. 11N32.
Per gross . 9.60 Per dozen.. .78

CELLULOID ANIMAL ASSORTMENT

Animals made of Celluloid. Handsomely tinted in natural colors, perfect in form and features. 6 styles assorted in display box of 1 dozen. Made in 2 sizes.

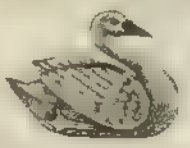
No. 32N41.
Average size 1½x2 inches.
Per doz .40

No. 32N44.
Average size 2¼x4 inches.
Per doz.... .80

CELLULOID FELIX CATS

Felix is known the world over but this is the first time he has ever been reproduced in celluloid. The body and head are black, the eyes and mouth are white. Can be used as a toy or favor. Made in two sizes.
No. 34N157. 2 inches high.
Per dozen..... .35
No. 34N158. 3¼ inches high.
per dozen . . . . . .

COLORED CELLULOID SWAN

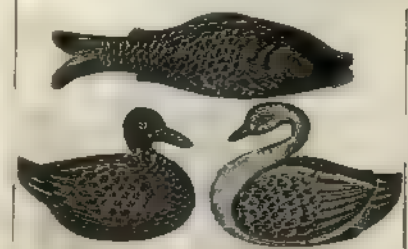


Highly Colored Celluloid Swans. These Swans are offered in two sizes. Both are nicely decorated in many bright colors. Each size, one gross to box.

No. 32N88.
Small Swan, 1⅝ in. long
Per gross. 1.50

No. 32N87.
Large Swan, 2 inches long.
Per gross. 2.75

FLOATING TOYS



Floating Toys. 2½ to 3 inches, assorted ducks, fish, frogs, etc., hollow celluloid bodies, painted in natural colors, 3 kinds. One dozen assorted in box.
No. 32N50. Per dozen..... .42

SWANS AND DUCKS

Assorted Swans and Ducks. Made of white celluloid, beautifully embossed and colored. They come assorted, swans and ducks. Swans about 2½x3 inches. Ducks about 2¼x1¾ inches. Six dozen to box.
No. 32N88.
Per gross 4.50
Per box of 6 dozen..... 2.40

COCA-COLA advertising shows the power of repeated use of one subject for reproduction by all mediums. The same full-color oil painting is used for 2-color, multicolor, and black and white illustrations in magazines, newspapers, billboards, rotogravure, window display, etc. This page shows in miniature the cover design for one issue of their monthly house organ—4-color process plates with dark green substituted for black. This clever substitution provides the typical green Coca-Cola background.

This insert of four pages was Engraved by Mound City Engraving Company, St. Louis, Mo.

Advertising subjects furnished by D'Arcy Advertising Company, St. Louis, Mo.
Printed by H. S. Collins Printing Company, St. Louis, Mo.,
on A. M. Collins Manufacturing Company's Ivory Linktone, 25x38—100.

THE COMPLETE oil painting is here reproduced in miniature as it is used for street car cards, window displays, and 24-sheet posters for outdoor advertising.

Engraved by Mound City Engraving Co., St. Louis

$30,000 in Cash Prizes!
Drink
Coca-Cola
Delicious and Refreshing
Find the Key
THIRST!
The only real drink is a thirst quenching drink. Coca-Cola, drink of natural flavors, quenches thirst as nothing else can.
$30,000.00
in cash prizes
See the column on the opposite page for details about this

THE WELL KNOWN sign shown on the opposite page is now moved close to the girl's head and 2-color process plates made for magazine advertising. So skillful is the reproduction that we are hardly conscious of the omission of yellow and blue. When viewed in full Saturday Evening Post size the effect is naturally more impressive.

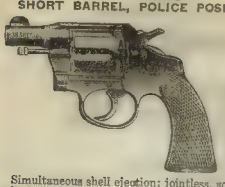
In the lower right-hand corner is shown a miniature of a newspaper advertisement -coarse-screen combination zinc halftone made from the same subject.

Drink
Coca-Cola
Delicious and Refreshing
Find the 2nd Key
THIRST
The only real drink is a thirst-quenching drink. Coca-Cola, a pure drink of natural flavors, quenches thirst as nothing else can.

Engraved by Mound City Engraving Co., St. Louis

REVOLVERS

COLT'S
SHORT BARREL, POLICE POSITIVE SPECIAL



A stub nose Colt for the policeman in plain clothes, shoots, 38 Colt's special cartridge, and may be easily carried in a coat side pocket for quick action.

38 Caliber, Double Action, 6 Shot.

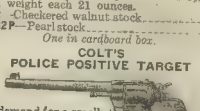
Simultaneous shell ejection; jointless, solid frame, swing out cylinder; equipped with Colt's positive lock that absolutely prevents accidental discharge.

Length of barrel 2 inches, length over all 6¾ inches, full blued finish, weight each 21 ounces.

	Each
No. PS0382—Checkered walnut stock	$75 45
No. PPS0382P—Pearl stock	85 80

One in cardboard box.

COLT'S
POLICE POSITIVE TARGET



Meets the demand for a small caliber target revolver, for both indoor and outdoor shooting; light, smooth pull, well balanced with full, comfortable grip.

22 Caliber, Double Action, Rim Fire, 6 Shot.

Simultaneous shell ejection; jointless solid frame; equipped with the Colt positive lock that absolutely prevents accidental discharge; fitted with sights; front sight adjustable for elevation; rear sight with binding screw, adjustable for windage.

Length of barrel 6 inches, length over all 10½ inches, full blued finish, weight each 22 ounces.

Chambered for 22 Caliber W. R. F. Cartridges only.

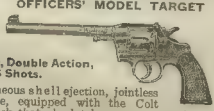
	Each
No. PP0226TW—Wood stock	$79 20
No. PP0226TPW—Pearl stock	89 70

Chambered for 22 short, 22 long and 22 long rifle Rim Fire Cartridges.

	Each
No. PP0226TS&L—Wood stock	$79 20
No. PP0226TPS&L—Pearl stock	89 70

One in cardboard box.

OFFICERS' MODEL TARGET



38 Caliber, Double Action, 6 Shots.

Simultaneous shell ejection, jointless solid frame, equipped with the Colt positive lock that absolutely prevents accidental discharge; front sight adjustable for elevation; rear sight with adjusting screw, adjustable for windage.

Length of barrel 6 inches, length over all 11¼ inches, full blued finish, weight each 32 ounces.

Chambered for 38 Long Colt, 38 Colt Special and 38 S&W Special.

Any of the above cartridges, either full or mid-range loads, may be used in the same revolver.

	Each
No. OM02386—6 in. barrel, walnut stock	$107 70
No. OM02386P—6 in. barrel, pearl stock	122 40

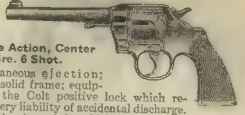
Nos.	Barrel, ins	Stock	Wt, ozs	Each
OM02387½	7½	Walnut	35	✚$107 70
OM02387½P	7½	Pearl	35	✚ 122 40

One in cardboard box.

✚F. O. B. Connecticut Factory Only.

REVOLVERS

COLT'S
ARMY SPECIAL



Double Action, Center Fire. 6 Shot.

Simultaneous ejection; jointless solid frame; equipped with the Colt positive lock which removes every liability of accidental discharge.

Takes the place of the old "New Army" and "New Navy", possessing all of their good features and many improvements.

32 CALIBER

Chambered for 32-20 Winchester Rifle Cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
A5324	4	Rubber	32	✚$79 20
A5325	5	"	34	✚ 79 20
A5326	6	"	34	✚ 79 20

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
A50324	4	Rubber	32	$79 20
A50325	5	"	34	79 20
A50326	6	"	34	79 20

38 CALIBER

Using in the same arm 38 long Colt, 38 short Colt, 38 Colt special, also 38 S&W special, full and mid range loads, and U. S. service cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
A5384	4	Rubber	32	✚$79 20
A5385	5	"	34	✚ 79 20
A5386	6	"	34	✚ 79 20
A5384P	4	Pearl	32	✚ 93 30
A5385P	5	"	34	✚ 93 30
A5386P	6	"	34	✚ 93 30

Blued.

Nos.	Barrel ins	Stock	Wt, ozs	Each
A50384	4	Rubber	32	$79 20
A50385	5	"	34	79 20
A50386	6	"	34	79 20
A50384P	4	Pearl	32	93 30
A50385P	5	"	34	93 30
A50386P	6	"	34	93 30

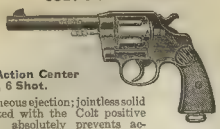
One in cardboard box.

✚F. O. B. Connecticut Factory Only.

D 9

REVOLVERS

COLT'S NEW SERVICE



Double, Action Center Fire, 6 Shot.

Simultaneous ejection; jointless solid frame; fitted with the Colt positive lock that absolutely prevents accidental discharge.

38 Caliber.

Chambered for 38-40 Winchester Rifle cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt ozs	Each
5387½----------	7½	Rubber	42	✤$89 70
5387½P----------	7½	Pearl	42	✤120 00

Blued.

Nos.	Barrel, ins	Stock	Wt ozs	Each
05384½----------	4½	Rubber	40	$ 89 70
05385½----------	5½	"	41	✤ 89 70
05387½----------	7½	"	42	✤ 89 70
05384½P---------	4½	Pearl	40	✤ 120 00
05385½P---------	5½	"	41	✤ 120 00
05387½P---------	7½	"	42	✤ 120 00

44 Caliber.

Chambered for 44-40 Winchester Rifle cartridges.

Blued.

Nos.	Barrel, ins	Stock	Wt ozs	Each
05444½----------	4½	Rubber	40	$ 89 70
05445½----------	5½	"	41	✤ 89 70
05444½P---------	4½	Pearl	40	✤ 120 00
05445½P---------	5½	"	41	✤ 120 00

45 Caliber.

Chambered for 45 Colt cartridges, full, medium or gallery loads.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt ozs	Each
5455½----------	5½	Rubber	41	✤$ 89 70
5457½----------	7½	"	42	✤ 89 70
5455½P---------	5½	Pearl	41	✤ 120 00
5457½P---------	7½	"	42	✤ 120 00

Blued.

Nos.	Barrel, ins	Stock	Wt ozs	Each
05454½----------	4½	Rubber	40	$ 89 70
05455½----------	5½	"	41	89 70
05457½----------	7½	"	42	✤ 89 70
05454½P---------	4½	Pearl	40	✤ 120 00
05455½P---------	5½	"	41	✤ 120 00
05457½P---------	7½	"	42	✤ 120 00

One in cardboard box.

✤F. O. B. Connecticut Factory Only.

REVOLVERS

COLT'S ARMY AND FRONTIER

Single Action, Center Fire, 6 Shot.

Rod ejection; solid frame; swing out cylinder. Should be carried with hammer resting in the safety notch.

32 Caliber, Blued.

Each

No. 06324¾—Chambered of 32-20 W. C. F. rifle cartridges; 4¾ in. barrel, rubber stock; wt each 2 lbs, 10 ozs ---------- $89 70

38 Caliber, Blued.

Each

No. 06384¾—Chambered for 38-40 W. C. F. cartridges, 4¾ in. barrel, rubber stock; wt each 2 lbs, 6 ozs ---------- $89 70

45 Caliber, Blued.

Each

No. 06454¾—Chambered for 45 Colt cartridges, full medium and gallery loads, 4¾ in. barrel, rubber stock; wt each 2 lbs, 3 ozs ---------- $89 70

With Rubber Stocks.

Cal.	Bbl ins	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
Win.					
38	7½	----------	----------	06387½	✤$89 70
44	4¾	6444¾	✤$89 70		
44	5½	6445½	✤ 89 70	06445½	✤ 89 70
44	7½	6447½	✤ 89 70	06447½	✤ 89 70
Colt.					
45	4¾	6454¾	✤ 89 70	----------	----------
45	5½	6455½	✤ 89 70	06455½	✤ 89 70
45	7½	6457½	✤ 89 70	06457½	✤ 89 70

One in cardboard box; average wt 42 ozs.

With Pearl Stock.

Cal.	Bbl ins	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
Win.					
32	4¾	----------	----------	06324¾P	✤$117 45
38	4¾	----------	----------	06384¾P	✤ 117 45
38	7½	----------	----------	06387½P	✤ 117 45
44	4¾	6444¾ P	✤$117 45	----------	----------
44	5½	6445½ P	✤ 117 45	06445½P	✤ 117 45
44	7½	6447½ P	✤ 117 45	06447½P	✤ 117 45
Colt.					
45	4¾	6454¾ P	✤ 117 45	06454¾P	✤ 117 45
45	5½	6455½ P	✤ 117 45	06455½P	✤ 117 45
45	7½	6457½ P	✤ 117 45	06457½P	✤ 117 45

One in cardboard box; average wt 42 ozs.

✤F. O. B. Connecticut Factory Only.

AUTOMATIC PISTOLS

COLT'S

Pocket Model, 25 Caliber, Hammerless. 7 Shot.

Capacity of magazine 6 shots; shoots 25 rimless smokeless cartridges with metal cased bullet. Length of barrel 2 inches length over all 4½ inches.

	Each
No. CA252—Nickel plated, wood stock	$45 00
No. CA252P—Nickel plated, pearl stock	51 75
No. CA0252—Blued, wood stock	45 00
No. CA0252P—Blued, pearl stock	51 75

One in cardboard box; wt each 13 ozs.

Extra Magazines.

	Each
No. CA252M—Nickel plated, for No. 252 Colt's Automatic pistols	$1 71
No. CA0252M—Blued, for No. 0252 Colt's Automatic pistols	1 71

Pocket Model, 380 Caliber, Hammerless. 8 Shot.

	Each
No. CA03803¾—Blued, 3¾ in. barrel; length over all 6¾ ins; capacity of magazine 7 shots; shoots 380 rimless smokeless cartridges; metal cased; checkered rubber stock; wt each about 23 ozs	$54 00

One in box.

	Each
No. CA03803¾M—Extra Magazines for 380 Colt's Automatic pistols	$1 95

Pocket Model, 32 Caliber, Hammerless. 9 Shot.

Blued, 4 inch barrel; length over all 7 inches; capacity of magazine 8 shots; shoots 32 rimless smokeless cartridges; metal cased.

	Each
No. CA0324—Blued, checkered, rubber stock	$54 00
No. CA0324P—Blued, pearl stock	70 65

One in box; wt each 23 ozs.

	Each
No. CA0324M—Extra Magazines for No. CA0324 Colt's Automatic pistols	$1 95

AUTOMATIC PISTOLS

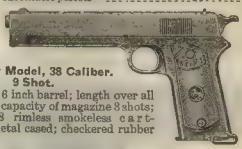
COLT'S

Pocket Model, 38 Caliber. 8 Shot.

	Each
No. CA0384½—Blued, 4½ in. barrel; length over all 7½ ins; capacity of magazine 7 shots; shoots 38 rimless smokeless cartridges; metal cased; checkered rubber stock; wt each 32 ozs	$111 30

One in cardboard box.

	Each
No. CA0384½M—Extra Magazines for No. CA0384½ Colt's Automatic pistols	+$3 30



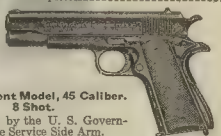
Military Model, 38 Caliber. 9 Shot.

Blued, 6 inch barrel; length over all 9 inches; capacity of magazine 8 shots; shoots 38 rimless smokeless cartridges; metal cased; checkered rubber stock.

	Each
No. CAM0386—Wt each about 37 ozs	$114 75

One in cardboard box.

	Each
No. CAM0386M—Extra Magazines for No. CAM0386 Colt's Automatic pistols	$3 30



Government Model, 45 Caliber. 8 Shot.

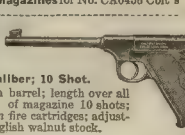
Adopted by the U. S. Government as the Service Side Arm.

Blued, 5 inch barrel; length over all 8½ inches; capacity of magazine 7 shots; shoots 45 rimless smokeless cartridges, metal cased.

	Each
No. CA0456—Checkered walnut stock	$ 96 90
No. CA0456P—Pearl stock	+123 50

One in cardboard box, wt each 39 ozs.

	Each
No. CA0456M—Extra Magazines for No. CA0456 Colt's Automatic pistols	$3 30

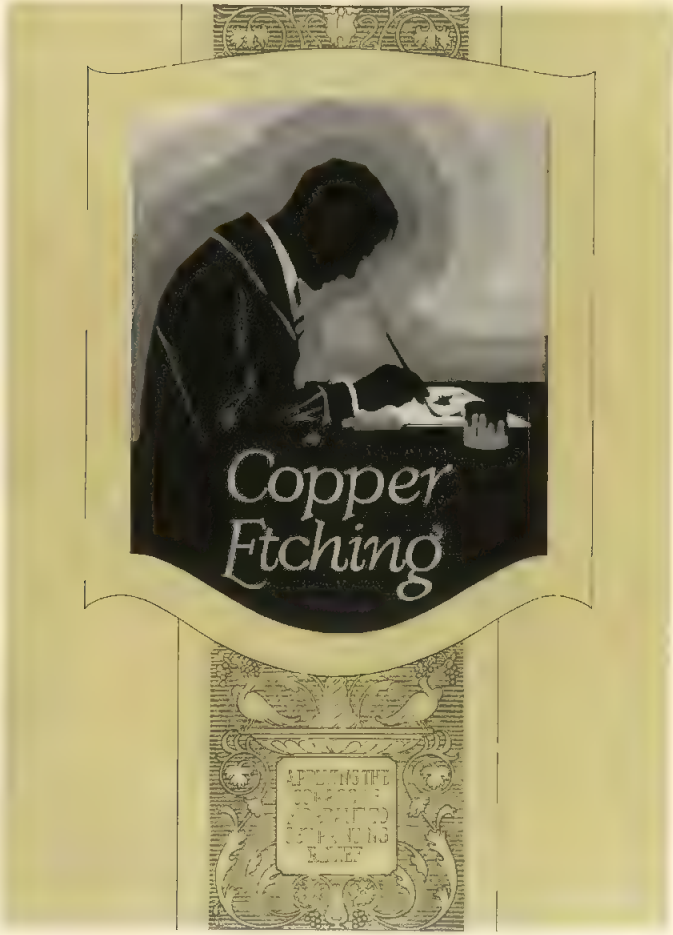
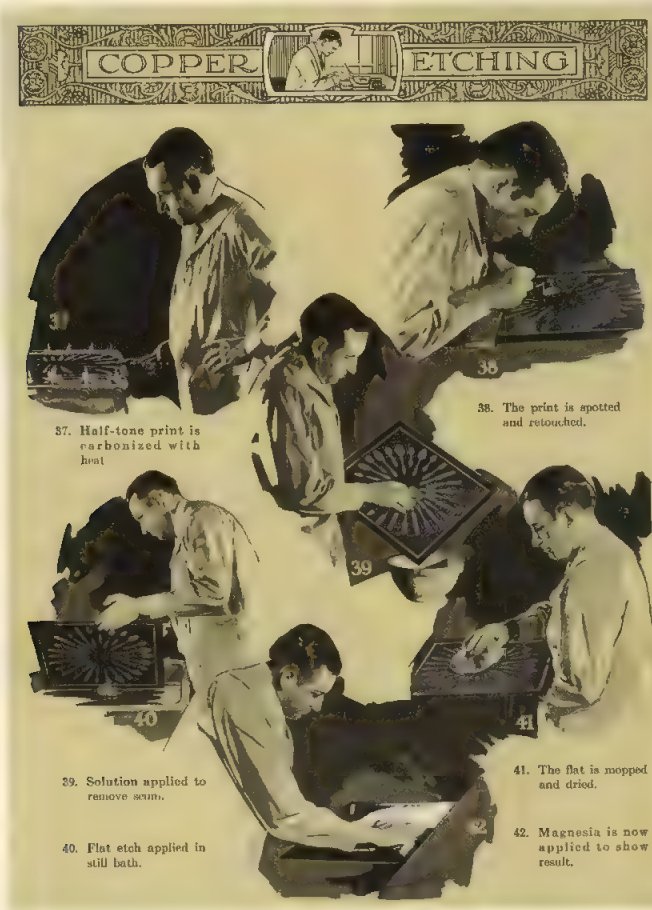


Target Model; 22 Caliber; 10 Shot.

Full blued; 6½ inch barrel; length over all 10½ inches; capacity of magazine 10 shots; shoots 22 long rifle, rim fire cartridges; adjustable sight; checked English walnut stock.

	Each
No. CA0226½T—Wt each about 28 ozs	$86 25
No. CA0226½TM—Extra Magazines for No. CA0226½T Colt's Automatic pistols	5 25

+F. O. B. Connecticut Factory Only.


Copper
Etching

COPPER ETCHING
37. Half-tone print is carbonized with heat
38. The print is spotted and retouched.
39. Solution applied to remove scum.
40. Flat etch applied in still bath.
41. The flat is mopped and dried.
42. Magnesia is now applied to show result.

COPPER ETCHING
44. Re-etching vignette by local application of acid.
43. Darker tones are retained by staging.
45. Fine etching with pointed brush in highlight.
46. Staging ink is now cleaned off
47. The depth is measured in various tones.
48. The chalked plate is compared with and checked against copy.

GASOLINE LAMPS

"NULITE" PORTABLE

Light with a Match, No Other Generating Required

Brass, Nickel Plated

Each

No. 110-M—400 Candle Power, Capacity of Fount 3 Pints, Burns About 18 Hours on One Filling, 22 in. High Over All, Equipped Complete with a 10 in. Diameter Fancy Embossed White Shade, Two Rag Mantles, Straight Removable Generator, Wrench, Pump, Tip Cleaner, Extra Rubber Washer and Full Instructions, Weight Each Complete About 10 Lbs. **$15.85**

Make their own gas from gasoline and give a bright, white, steady light of 400 candle power. They are safe in any position, no danger if upset. Can't spill fuel or explode. No wicks to trim—no chimneys to clean. Always clean, neat and attractive in appearance.

By test, they give stronger light, a greater quantity and more efficient, effective illumination of better quality at the least cost.

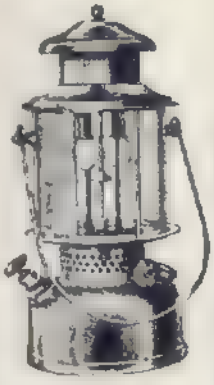
One in a Box.

GASOLINE LANTERNS

"NULITE STORM PROOF"

Light with a Match, No Other Generating Required

Brass, Nickel Plated, Mica Chimney with Built-In Pump



Each

No. 3-M—400 Candle Power, Capacity of Fount 1 Quart, Burns 12 to 14 Hours on One Filling, 13 in. High Over All, Equipped Complete with Two Rag Mantles, Straight Removable Generator, Wrench, Tip Cleaner, Extra Rubber Washer and Full Instructions, Weight Each Complete About 6 Lbs..... **$15.00**

Built to withstand the hardest use under the most trying weather conditions. Unaffected by high wind, rain, snow or sleet, it can be carried right through the fiercest storm.

In use everywhere by farmers, campers, builders, plumbers, watchmen, auto tourists, etc.

One in a Box.

MANTLES

"NULITE"

Best Grade Fabrics and Chemicals

Per Dozen

No 1-B—Small High Power Mantle for No. 110-M Lamp and No. 3-M Lantern, Reinforced Shadowless Bottom, Wt. Dozen 1½ Oz. **$2.00**

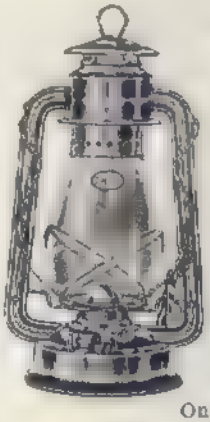
One Dozen in a Box, One Dozen Boxes in a Counter Display Carton.

LANTERNS

DIETZ COLD BLAST

Special Features—Dietz Security Standing Bail, Patent Brass Eyelets, Patent Safety Burner, Patent Positive Locking Globe Lift, Large Oil Filler with Wired Filler Cap and Double Seamed Solderless Dome Shape Oil Fount. Where Needed to Protect the Lift Mechanism from Strain, these Lanterns have Specially Braced Lift Guides.

"BLIZZARD"



Bright Tin, with "Blizzard Fitzall Loc-Nob" Globe

Gives a Light of 10 Candle Power, Wing-Lock Cone Burner, 1 in. Wick.

Per Dozen

No. 2—Plain Globe, 14¾ in. High, Burns 20 Hours on One Filling, Shipping Weight Per Dozen 38 Lbs..... **$20.00**

No. 2-R—Ruby Glove, Otherwise Same as No. 2..... **23.10**

Signify the best to be had in large size lanterns of the High-Globe, Cold Blast Type.

The "Loc-Nob" positively prevents the globe from slipping out of the retaining guard when tipped back.

One-half Dozen in a Case.

"D-LITE"

Bright Tin, with Short "D-Lite Loc-Nob" Globe

Gives a Light of 10 Candle Power, Wing-Lock Cone Burner, 1 in. Wick.

Per Dozen

No. 2-D—Plain Globe, 13¼ in. High, Burns 20 Hours on One Filling, Shipping Weight Per Dozen 37 Lbs..... **$20.00**

No. 2-DR—Ruby Globe, Otherwise Same as No. 2-D..... **28 10**

In height, "D-Lite" Lanterns are no greater than common Hot Blast Lanterns, yet give almost three times the light.

One-half Dozen in a Case.

"LITTLE WIZARD"

Bright Tin, with Short "Little Wizard Loc-Nob" Globe

Gives a light of 6 Candle Power, Wing-Lock Cone Burner, ⅝ in. Wick.

Per Dozen

No. LW—Plain Globe, 11⅛ in. High, Burns 20 Hours on One Filling, Shipping Weight Per Dozen 24 Lbs. **$13.50**

No. LWR—Ruby Globe, Otherwise Same as No. LW..... **16.60**

The little lantern with the big light. Popular with Boy Scouts, Campers, Hikers, Contractors, etc.

One Dozen in a Case.

"JUNIOR"

Bright Tin, with "Junior Loc-Nob" Globe

Gives a Light of 6 Candle Power, Wing-Lock Cone Burner, ⅝ in. Wick. Plain Globe

Per Dozen

Junior—12 in. High, Burns 15 Hours on One Filling, Shipping Weight Per Dozen 24 Lbs....**$13 50**

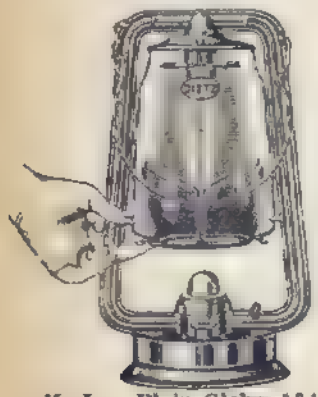
Combines minimum weight and bulk with maximum lighting power.

One Dozen in a Carton.

LANTERNS

DIETZ HOT BLAST

Special Features—Dietz Standing Bail, Patent Brass Eyelets, Patent Safety Burner, Patented Positive-Locking Globe Lift, Large Oil Filler with Non-Loseable Cap and Double Seamed, Solderless Oil Fount.



"HY-LO"

These lanterns are in great demand wherever public works, railroads, sewers, dams, etc., are under construction and for general use on the farm. The simple globe lift construction and low price make them thoroughly capable for the work.

Bright Tin, with "Fitzall Loc-Knob" Globe

Gives a Light of 4 Candle Power, Patented Steel Hinged Cone Burner, ⅝ in. Wick.

Per Dozen

Hy-Lo—Plain Globe, 13½ in. High, Burns 20 Hours on One Filling, Shipping Weight Per Dozen 27 Lbs. $12.50

Hy-Lo-R—Ruby Globe, Otherwise Same as Above.. 15.60

One Dozen in a Case.

WAGON LANTERNS

DIETZ "JUNIOR" COLD BLAST

Heavy Tin, Black Enameled, with Plain "Junior Loc-Nob" Globe

Gives a Reflected Light of 10 Candle Power, Wing-Lock Cone Burner, ⅝ in. Wick

Per Dozen

Junior—12 in. High, Burns 13 Hours on One Filling, 2¼ in. Ruby Rear Lens, 2¼ in Magnifying Bulls-Eye Lens. Shipping Weight Per Dozen 42 Lbs. $27 00

Complies with all Night Driving Laws. A combination holder permits use of a flat or round bracket. Packed regularly with flat bracket and furnished with clip spring holder as illustrated in addition to combination socket.

One-half Dozen in a Case

PARKING AND DRIVING LANTERNS

DIETZ "EUREKA"

Cold Rolled Steel, Black Enameled, Nickel Plated Door Rim, Wing-Lock Cone Burner, ⅝ in. Wick

Per Dozen

Eureka—7¾ in. High, Burns 10 Hours on One Filling, 2¼ in. Ruby Rear Lens, 3½ in. Plain Door Lens, Shipping Weight Per Dozen 25 Lbs. $27.00

Style "A" Holder

Ideal for any kind of vehicle, and complies with all Night Driving Laws. The smallest practical vehicle light made. Also used as an automobile parking lamp.

A bail permits the use of the "Eureka" as a hand lantern.

Packed with Style "A" Holder as illustrated.

One Dozen in a Case.

RAILROAD LANTERNS

DIETZ "STANDARD"

For Signal Oil

Bright Tinned Steel, gives a Light of 2 Candle Power, Extra Special Screw Ratchet Burner, 1 in. Wick, Plain Heat Resisting "Vulcan" Globe.

Per Dozen

No. 39—10 in. High, Burns 24 Hours on One Filling, Shipping Weight Per Dozen 43 Lbs. $28.50

Made with a solid metal bell bottom and inside oil pot, which cannot drop out. Substantial round wire guard protects the globe. Globe and loose oil pot lift in and out when the top of the lantern is turned back on its hinge. Outside wick raiser.

A well balanced dependable signaling lantern.

One Dozen in a Case.

GASOLINE WALL TORCHES

LINDEMAN ANCHOR

Japanned Leaded Steel Plate Tank, Brass Globe Valve and Generating Burner, Malleable Iron Safety Hanger

Per Dozen

No. 1—Single Burner, Capacity of Tank 1 Gallon, Weight Per Dozen 50 Lbs..... $30 00

These Torches are extensively used and unequalled for lighting public meeting places, camping and picnic grounds, tents, dance halls, factories, warehouses, mining, lumber and contractor's camps, etc.

They are widely used by showmen, Street Fakirs, Auctioneers, Fishermen, etc.

Simple in operation, easily kept clean, latest and highest improved construction.

Open Stock.

PYRAMID MILL TORCHES

WALL "EVERLASTING"

Brazed Steel

Made from Heavy Steel. A stout, durable, desirable Torch that will outlast twenty made of galvanized iron.

For Factories, Foundries, Rolling Mills, Blast Furnaces, Construction Work, etc.

Nos.	81	82	83	84	85
Capacity, Quarts..	½	1	1	2	2
No. of Burners...	1	1	2	1	2
Weight Dozen, Lbs.	11¼	16½	18	21	25½
Per Dozen	$9 00	10.00	12.00	12.00	14.00

Open Stock.

TORCH WICKS

For Pyramid Mill Torches

Per Pound

Torch Wicks—⅝ in. Diameter Braided Cotton..... $1.00

Twenty-five Yards in a Coil

MINERS LAMPS

JUSTRITE MINERS CAP

Wire Feed, Round Hook, with Lighter Attachment

2¼ in. Diameter, Concaved Reflector, Burns 2½ Hours on One 2 oz. Charge of Carbide and Gives a Light of 16.7 Candle Power. Net Weight Each 5 oz.

Drawn Brass, Polished

Per Dozen

No. 85—3¾ in. High, 2 in. Diameter Bottom, with No. 77 Carbide Can, Weight Per Dozen 6 Lbs. . $15.00

One Dozen in a Carton

Polygon Feed, Round Hook, with Lighter Attachment

2¼ in. Diameter, Concaved Reflector, Burns 2½ Hours on One 2 oz. Charge of Carbide and Gives a Light of 16.7 Candle Power. Net Weight Each 5 oz.

Drawn Brass, Polished

Per Dozen

No. 704—3¾ in. High, 2 in. Diameter Bottom, with No. 77 Carbide Can, Weight Per Dozen 6 Lbs. . $13 80

One Dozen in a Carton.

JUSTRITE SUPERINTENDENTS

Wire Feed, Double Wire Handle, with Lighter Attachment and Flame Protector

2⅝ in. Diameter Deep Concaved Reflector, Burns 2½ Hours on One 2 oz. Charge of Carbide. Net Weight Each 6 oz

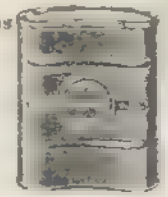
Drawn Brass, Nickel Plated

Per Dozen

No 100— ⅝ in. High, 2 in. Diameter Bottom, with No. 77 Carbide Can, Wt. Per Dozen 6½ Lbs. . $18 00

One-half Dozen in a Carton.

POCKET CARBIDE CANS



Furnished with No. 85, 704 and 100 Lamps Tinned Steel, Ribbed

Per Dozen

No. 77—Capacity 10 Oz., Double Seamed, Sliding Cover, Concaved to Fit Boot or Hip Pocket. Holds a Full Day's Supply. Will Not Rust . $1.80

PLUMBERS CANDLES

For Shop or Plumbers Use

Per Set

No. 214—6x1¼ in., 5 in a Set. $0 30

LANTERN GLOBES

Dietz Loc-Nob on globes prevents globe from falling off wires when tilted back. In the short globes the hand may easily be inserted for cleaning.

BLIZZARD FITZALL LOC-NOB

For "No. 2 Blizzard" and "Hylo" Lanterns

Per Dozen

No. BFL—Plain, 6⅞ in. High, 2⅛ in. Diameter Top, 3⅞ in. Diameter Bottom, Weight Per Dozen Packed About 15 Lbs. $2.00

No. BFLR—Ruby, Otherwise Same as No. BFL. 3 10

D-LITE LOC-NOB

For "D-Lite" Lanterns

Per Dozen

No. DL—Plain, 4⅝ in. High, 4⅛ in. Diameter Top, 3⅞ in. Diameter Bottom, Weight Per Dozen Packed About 13 Lbs . . . $2 00

No. DLR—Ruby, Otherwise Same as No DL 3 10

LITTLE WIZARD LOC-NOB

For "Little Wizard" Lanterns

Per Dozen

No. LW—Plain, 3⅛ in. High, 3¼ in. Diameter Top, 2⅛ in. Diameter Bottom, Wt. Per Dozen Packed About 8 Lbs. $1 80

No. LWR—Ruby, Otherwise Same as No. LW 4.80

JUNIOR LOC-NOB

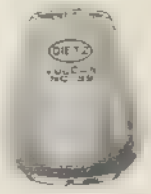
For "Junior" and "Junior Wagon" Lanterns

Per Dozen

No. J—Plain, 5½ in. High, 2⅝ in. Diameter Top, 2⅛ in. Diameter Bottom, Weight Per Dozen Packed About 10 Lbs. $1.80

No. JR—Ruby, Otherwise Same as No J 4 90

VULCAN RAILROAD



Heat Resisting, for "Standard" Railroad Lanterns

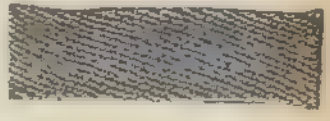
Per Dozen

No. 39—Plain, 5⅞ in. High, 2½ in. Diameter Top, 3¼ in. Diameter Bottom, Weight Per Dozen Packed About 15 Lbs. $2.40

No. 39-R—Ruby, Otherwise Same as No. 39 . . . . . 5 90

LAMP OR LANTERN WICKS

Flat For All Ordinary Burners



Nos.	1	2
Width Inches	⅝	1
Length Inches	8	8
Weight Per Gross, Lbs	¾	1¼
Per Gross	$2 00	3 00

One Gross in a Package.

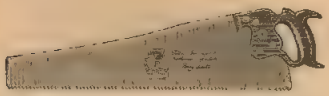
CANDLE WICKING

Per Pound

Candle Wicking—Cotton, in 2 Oz. Balls $0 80

Five Pounds in a Bag.

HAND AND RIP SAWS

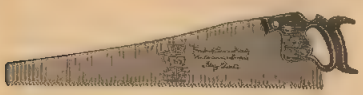


Cast steel, grained blade, etched skew back, apple handle, polished edge, 5 improved screws, 26 and 28 in. rip have thumb hole in handle.

No. 8D—D8—26 in., **hand,** 6, 7, 8, 9, 10 and 11 points w't per doz. 27 lbs.....per dozen $65 55

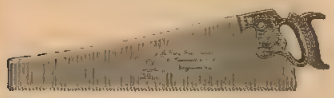
No. 8D—D8—26 in., **rip,** 5, 5½, and 6 points, w't per doz. 27 lbs.....per dozen $65.55

No. 8D—D8—28 in,. **rip,** 5, 5½ and 6 points, w't per doz. 30 lbs.....per dozen $75.00



No. 8DS—D8—26 in., **ship hand,** 6 in. wide at butt, 1⅜ in. at point, 7, 8, 9, 10 and 11 points, w't per doz. 25 lbs.....per dozen $65.55

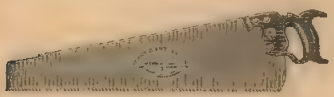
No. 8DS—D8—26 in., **ship rip,** 6 in. wide at butt, 1⅜ in. at point, 5½ points, w't per doz. 25 lbs..per dozen $65.55



DISSTON'S, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws.

No. 100D—D100—26 in., **hand,** 7, 8, 9, 10 and 11 points, w't per doz. 25 lbs.....per dozen $73.35

No. 100D—D100—26 in., **rip,** graduated teeth, 5, 5½ and 6 points, w't per doz. 25 lbs.....per dozen $73.35



DISSTON'S, cast steel, etched, grained blade, thin back, beech handle, polished edge, 4 improved screws.

No. 7—26 in., **hand,** 7, 8, 9 and 10 points, w't per doz. 24 lbs.....per dozen $58.00

No. 7—28 in., **hand,** 6 and 7 points, w't per doz. 30 lbs., per dozen $68.20

No. 7—26 in., **rip,** 5, 5½ and 6 points, w't per doz. 24 lbs, per dozen $58.00

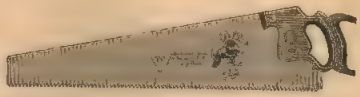
No. 7—28 in., **rip,** 5 and 5½ points, w't per doz. 30 lbs., per dozen $68.20

ALL ABOVE THIRD DOZEN IN A BOX

DISSTON VICTORY, skew back, extra refined London spring steel, patent ground and tempered, exceptional high finish polished blade genuine rosewood handle, carved and polished, 5 nickel plated screws.

No. 115D—D115—26 in., **hand,** 7, 8, 9, 10 and 11 points, w't per doz. 27 lbs.....per dozen $111.00

No. 115D—D115—26 in., **rip,** 5, 5½ 6 points, w't per doz. 27 lbs..... .....per dozen $111.00

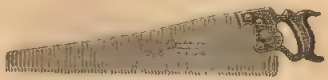


DISSTON VICTORY, straight back. Exrta refined London spring steel, patent ground and tempered. Exceptionally high finish polished blade, genuine rosewood handle, carved and polished, 5 nickel plated screws.

No. 15D—D15—26 in., **hand,** 7, 8, 9, 10 and 11 points, w't per doz. 27 lbs.....per dozen $111.00

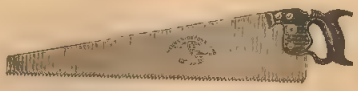
No. 15D—D15—26 in., **rip,** 5½ and 6 points, w't per doz. 27 lbs.....per dozen $111.00

ABOVE ONE IN A BOX

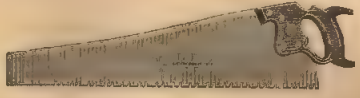


DISSTON'S, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws.

No. 100DS—D100S—26 in., **ship pattern, hand,** 8, 9, 10 and 11 points, w't per doz. 25 lbs....per dozen $73 35



No. 7DS—7—26 in., **Disston's, ship pattern, hand,** cast steel, grained blade, thin back, etched, beech handle, polished edge, 4 improved screws, 7, 8, 9 and 10 points, w't per doz. 24 lbs.....per dozen $58.00

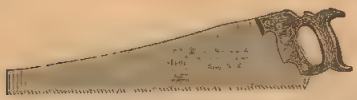


DISSTON DOUBLE DUTY, has alternate sections cross cutting and ripping teeth.

No. 17D—Disston Double Duty, 26 in. crucible steel polished blade, skew back, hardwood polished handle with 5 brass screws, w't per doz. 24 lbs....per dozen $70.75

ALL ABOVE THIRD DOZEN IN A BOX

HAND AND RIP SAWS

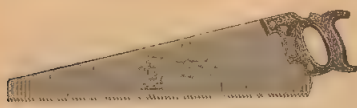


Refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws, 26 in. skew back blade, 6¾ in. wide at butt, 1¾ in. at joint.

No. 20D—D20—26 in., **hand,** 7, 8, 9, 10 and 11 points, w't doz. 24 lbs.....per dozen $73 35

No. 20D—D20—26 in., **rip,** 5, 5½ and 6 points, w't per doz. 24 lbs.....per dozen $73.35

THIRD DOZEN IN A BOX

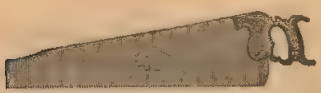


Refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws.

No. 23D—D23—26 in., **hand,** 26 in. straight back blade, 6 in. at butt, 1¾ in. at point, 7, 8, 9, 10 and 11 points, w't per doz. 24 lbs.....per dozen $73.35

No. 23D—26 in., **rip,** 5, 5½ and 6 points, w't per doz. 24 lbs.....per dozen $73.35

THIRD DOZEN IN A BOX



DISSTON'S, extra refined London spring steel, selected and highly polished blade, handle carved and polished, 4 brass screws.

No. 12—26 in., **hand,** 7, 8, 9, 10 and 11 points, w't per doz. 26 lbs.....per dozen $85 45

No. 12S—26 in., **ship hand,** 7, 8, 9, 10 and 11 points, w't per dozen 21 lbs.....per dozen $85.45

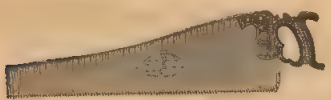
No. 12—28 in., **hand,** 6, 7 and 8 points, w't per doz. 30 lbs.....per dozen $92.90

No. 12S—26 in., **ship rip,** 5½ and 6 points, w't per doz. per dozen $85.45

No. 12S—26 in., **ship rip,** 5, 5½ and 6 points, w't per 25 lbs.....per dozen $85.45

No. 12—28 in., **rip,** 5, 5½ and 6 points, w't per doz. 31 lbs.....per dozen $92.90

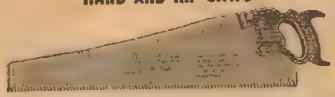
THIRD DOZEN IN A BOX



DISSTON'S, extra refined London spring steel, selected and highly polished skew back blade, carved and polished apple wood handle, 4 brass screws.

No. 112—26 in., **hand,** 7, 8, 9 and 10 points, w't per doz. 27 lbs.....per dozen $86.90

HAND AND RIP SAWS

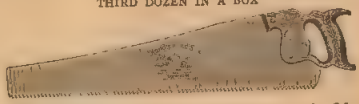


DISSTON'S ACME, extra London spring steel, skew back, carved and polished apple handle, 5 screws, runs entirely without set in dry seasoned lumber only.

No. 120—26 in., **hand,** 8, 9, 10 and 11 points, w't per doz. 25 lbs.....per dozen $105.55

No. 120—26 in., **rip,** 5½ points, w't per doz. 25 lbs., per dozen $112.20

THIRD DOZEN IN A BOX



Disston, this saw is very attractively finished. Of excellent quality and is especially designed for use of the average householder.

No. 616D—24 in., **hand,** 8 pt. Skewback. Polished blade. Varnished hardwood handle, nicely carved. Four brass screws, w't per doz. 20 lbs.....per dozen $30.00

HALF DOZEN IN A BOX

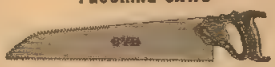
PLUMBERS' SAWS

Most successfull where nails are numerous and ruinous to all tools not adapted to cut them. In wood it makes a smooth cut. Handles adjust to any dimensions any pitch.

No. 010 C.T.D.—20 in., special blade tempered to suit purpose of sawing nails and metal without injury to teeth, can be resharpened, adjustable carved handle, nickeled trimmings, w't per doz. 11 lbs.....per dozen $58.65

THIRD DOZEN IN A BOX

FLOORING SAWS



For cutting out sections of floor, partitions or ceiling without necessity of boring holes or chiseling. Sections can be replaced in original position.

No. 190 C.T.D.—18 in., crucible steel, polished blade, adjustable cherry handle, carved and polished, reversible blade, w't per doz. 11 lbs.....per dozen $68.45

THIRD DOZEN IN A BOX

SAW SCREWS

No. 1. No. 2. No. 3. No. 4. No. 8.

No. 1—Brass, diameter ¼ in.....per dozen $0.90

No. 2—Brass, diameter ⅜ in.....per dozen 1.00

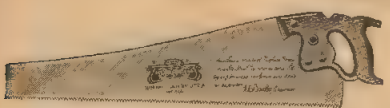
No. 3—Brass, small eagle, diameter ½ in..dozen 1.35

No. 4—Brass, large eagle, diameter 1 in..dozen 1.85

No. 8—Iron, raised, diameter ⅜ in.....per dozen .45

ONE DOZEN IN A BOX. AVERAGE WT PER DOZ. ¼ LBS.

PANEL SAWS

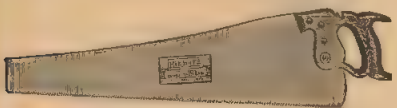


[illegible] extra cast steel, patent ground skew back, carved and polished apple wood handle, 4 plated screws.

PANEL, 18 in., 9, 10 and 11 points, 20, 22 and 24 in., 8, 9, 10 and 11 points.

No. 82 [illegible]—Inches	18	20	22	24
No. of screws	3	3	4	4
W't per doz., lbs.	12	15	17	20
Per dozen	$48.90	50.00	52.20	53.55

THIRD DOZEN IN A BOX



Hibbard, extra cast steel, grained blade, skew back, genuine black walnut carved handle, polished and etched, brass screws.

PANEL, 9 and 10 points.

No. 70 Hibbard—Inches	20	22	24
No. of screws	3	4	4
W't per doz., lbs.	15	17	20
Per dozen	$39.10	40.55	42.00

THIRD DOZEN IN A BOX

H. S. B. & Co.'s "I WILL," cast steel grained blade, etched, skew back, polished beech handle, screws.

PANEL, 20, 22 and 24 in., 8, 9 and 10 points.

No. 81—Inches	20	22	24
No. of screws	3	3	4
W't per doz., lbs.	15	18	20
Per dozen	$24.20	25.75	27.10

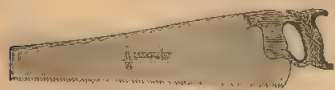
THIRD DOZEN IN A BOX

"CRUSO", cast steel, beech handle, polished edge, 2 screws.

PANEL, 16 in., 9 and 10 points, 20 in., 8, 9 and 10 points.

No. 50—Inches	16	20
W't per doz., lbs.	10	14
Per dozen	$16.90	20.20

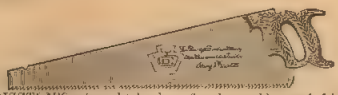
HALF DOZEN IN A BOX



FOR HOUSEHOLD USE

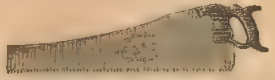
No. 1921—DISSTON'S "American Boy," 20 in. 9 point, refined crucible steel, skew back, apple handle, carved and polished, 3 screws; This saw is designed especially for household use, w't per doz. 15 lbs. ...per dozen $46.00

ONE IN A BOX



DISSTON'S, straight back, refined crucible steel, highly polished blade apple handle, carved and polished, 4 brass screws. 20 in. 10 and 11 points, 22 in., 9, 10 and 11 points, 24 in., 8, 9, 10 and 11 points.

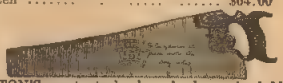
No. 23D—(D23)—Inches	20	22	24
W't per doz., lbs.	15	18	21
Per dozen	$59 65	64.00	69.10



DISSTON'S, spring steel patent ground and tempered, skew back, polished apple wood handle, 4 improved screws,

PANEL, 9, 10 and 11 points.

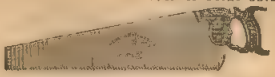
No. 100D (D100)—Inches	22	24
W't per doz., lbs.	19	21
Per dozen	$64.00	68.90



DISSTON'S, cast steel, skew back, grained blade and etched, polished apple wood handle, 4 improved screws, warranted.

PANEL, 18 in., 9, 10 and 11 points, 20, 22 and 24 in., 8, 9, 10 and 11 points.

No. 8D (D8)—Inches	18	20	22	24
W't per doz., lbs.	12	15	18	19
Per dozen	$49 45	54.20	58.20	62.45



DISSTON'S, extra London spring steel blade, selected and highly polished apple handle, carved, 4 improved screws.

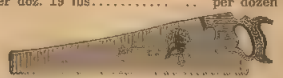
PANEL, 20 and 22 in., 9, 10 and 11 points. 24 in., 8, 9, 10 and 11 points.

No. 12—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	$67.35	73.45	79.75

ALL ABOVE, THIRD DOZEN IN A BOX

DISSTON'S, extra refined London spring steel, patent ground and tempered. Exceptional high finish polished blade. Genuine Rosewood Handle, carved and polished, 4 nickel plated screws.

No. 15D—24 in., straight back panel, 8, 9 and 10 points, w't per doz. 19 lbs..... per dozen $105.55



SKEW BACK—Panel, 20 in., 11 point, 22 in., 10 point, 24 in., 9, 10 and 11 points.

No. 115D—Inches	20	22	24
W't per doz., lbs.	15	18	19
Per dozen	$94.20	99.75	105.30

NOS. 15D AND 115D, ONE IN A BOX

ATLAS HIGH EXPLOSIVES

ATLAS POWDER

20% to 60%

A Nitroglycerine Explosive Very Quick and Shattering Recommended for Open Work in Hard Rock and for Blasting Ditches in Wet Ground Atlas Powder is Low Freezing and will Resist Water It is Not Adapted to Underground Work as the Fumes are Somewhat Objectionable Furnished in All Standard Size Cartridges

ATLAS FARM POWDER

Atlas Farm Powder is the Safest Explosive and the Original Farm Powder Made Especially for all Farm Work Stump, Boulder and Ditch Blasting Subsoiling, Preparing Ground for Trees Etc It is Low Freezing Put up in Cartridges 1¼ x 8 Ins and is Used the Same as Dynamite

EXTRA DYNAMITE

20% to 60%

A High Explosive Suited for all Ordinary Blasting, Both Open and Underground, Where a Strong Heaving and Spreading Action is Wanted The Fumes Are Not Objectionable. Extra Dynamite is Low Freezing but Not Waterproof and Should Not be Used in Very Wet Work. Packed in All Standard Size Cartridges.

ATLAS BLASTING POWDER

BLASTING POWDER GRAINS Actual Size

Atlas Blasting Powder is Made in Standard Size Granulations, FFFF, FFF, FF, F, C, CC, and CCC The Finer Grains are Quicker" and Shatter More Than the Larger Ones Atlas Blasting Powder is Always Uniform in Size and Strength Furnished Glazed or Unglazed. Packed in 25-Lb. Steel Kegs

SPORTING POWDERS

SHOTGUN POWDER

Du Pont is a Bulk Smokeless Shotgun Powder Should Always be Loaded by Measure and Not by Weight Any standard Measure for Black Sporting Powders May be Used With Good Results. Is Absolutely Smokeless Will Not Pit or Corrode the Gun Barrel or Lock, Give Uniform Patterns and a High Velocity It is Absolutely Unaffected by Age When Kept Under Ordinary Conditions of Storage It is Sold in Drums, Kegs, Half-kegs, Quarter-kegs and Canisters, Equivalent in Bulk to 50 Lbs., 25 Lbs., 12½ Lbs., 6¼ Lbs. and 1 Lb of a Standard Black Sporting Powder

A 1 Lb Canister of Du Pont, Bulk Weight, Will Load 85 3-Dram Charges or the Same Number of Shells as May be Loaded from 10 Ozs of Black Sporting Powder with a Similar Charge

SMOKELESS SHOTGUN POWDER

Infallible is an Improved Concentrated or Dense Smokeless Shotgun Powder

It is Improved to Measure and Absolutely Unaffected by Any Climatic Changes It Will Not Pit or Corrode the Gun Barrel It Should Not be Loaded Like a Black Smokeless Shotgun Powder Which Measures Bulk for Bulk with Any Standard Black Sporting Powder, But Should be Loaded by Weight, Not by Measure a 24 Grain Charge Being Equivalent to 3 Drams of Standard Bulk Smokeless Shotgun Powder and a 25 Grain Charge Equivalent to 3¼ Drams

Infallible is Sold in Canisters, 10-Can Drums, 25-Can Drums and 50-Can Drums A Canister Will Load 85 24 Grain Charges or the Same Number of Equivalent Charges as Can be Loaded from 10 Ozs of Black Sporting Powder

With Every Canister a Powder Measure Holding About 24 Grains Struck Off and 26 Grains When Settled and Struck Off is Sent. With a 10-Can Drum Several Measures are Sent. In Loading Infallible Use a Shell Constructed for Dense Powders Only With the High Inside Base.

RIFLE POWDER

Du Pont Rifle and Hazard Kentucky Rifle, the Standard Black Sporting Powders, are Loaded in Shot Shells and in Metallic Ammunition for Rifles and Revolvers. Sportsmen Should Insist on Their Ammunition Being Loaded With These Powders.

Du Pont Rifle and Hazard Kentucky Rifle Will Not Deteriorate When Stored Under Reasonably Suitable Conditions. Du Pont Rifle and Hazard Kentucky Rifle Powders are Manufactured in Three Standard Granulations, FG, FFG and FFFG, from Coarse to Fine.

These Powders are packed in Metal Kegs, Half-kegs and Quarter-kegs Containing Respectively 25 Lbs., 12½ Lbs., and 6¼ Lbs., and in metal Canisters Containing 1 Lb., ½ Lb. and ¼ Lb.

POWDER

Owing to the continued advances in Powder, all prices are withdrawn. Accept orders only subject to prices ruling at date of shipment.

IN NEW STYLE ONE-POUND PAPER CANISTER

DU PONT RIFLE, HURCULES ORANGE EXTRA SPORTING AND HAZARD KENTUCKY RIFLE

Moisture proof, one pound can on the shelf, and is very much safer to have it in the house in case of fire, as the outside package will burn before ignition, and the explosion would not have the force or do the damage that powder confined in metal cans would

Per Case

5 in a Case—FG, FFG, or FFFG . . . . . .
10 in a Case—FG, FFG or FFFG . . . . . .
25 in a Case—FG, FFG, or FFFG . . . . . .

We do not break cases.

SMOKELESS POWDER

SHOT GUN

DU PONT, SCHULTZE, EMPIRE, AND E. C.

Bulk smokeless, load by measure and not by weight.

Each

Cans—Equal in bulk to 1 lb. of black powder . . . . . .
Quarter Kegs—Equal in bulk to 6¼ lbs. of black powder . . . . . .
Half Kegs—Equal in bulk to 12½ lbs. of black powder . . . . . .
25 Can Drums—Equal in bulk to 25 lbs. of black powder . . . . . .
50 Can Drums—Equal in bulk to 50 lbs. of black powder . . . . . .

BALLISTITE INFALLIBLE

A dense smokeless powder, and the same quantity of it (by measure) should be used as black powder.

Each

Cans—Equal in bulk to 1 lb. of black powder . . . . . .
10 Can Drums—Equal in bulk to 10 lbs. of black powder . . . . . .
25 Can Drums—Equal in bulk to 25 lbs. of black powder . . . . . .
50 Can Drums—Equal in bulk to 50 lbs. of black powder . . . . . .

POWDER

Owing to the continued advance in Powder, all prices are withdrawn. Accept orders only subject to prices ruling at date of shipment.

BLASTING

CUTS SHOW FULL SIZE OF GRAINS

Per Keg

No. A Saltpeter—Sizes FFFF, FFF, FF, F, C, CC, or CCC In 25 lb. kegs . . . . . .
No. B —Soda—Sizes FFFF, FFF, FF, F, C, CC, or CCC In 25 lb. kegs . . . . . .

BLACK SPORTING

SHOT GUN AND RIFLE

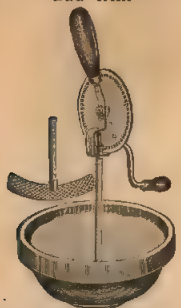
CUTS SHOW FULL SIZE OF GRAINS

DU PONT RIFLE, HERCULES ORANGE EXTRA SPORTING AND HAZARD KENTUCKY RIFLE

Each

Kegs, 25 lb.—FG, FFG, or FFFG. . . . . .
½ Kegs, 12½ lb.—FG, FFG, or FFFG. . . . . .
¼ Kegs, 6¼ lb.—FG, FFG, or FFFG. . . . . .
Cans, 1 lb.—25 in a case, FG, FFG, or FFFG . . . . . .
Cans, ½ lb.—50 in a case, FG, FFG, or FFFG. . . . . .

GENUINE DUNLAP'S CREAM AND EGG WHIP



Furnished complete with stone bowl. The action of this whip is cutting instead of "beating."

Flexible blade, nickel plated steel drive wheel and rod, wood handle, 7 in. glazed stoneware bowl, w't per doz. 30 lbs.

The keen flexible blade vibrates with great rapidity when driven through the cream at high speed.

Half a pint ordinary cream is whipped in less than one minute if bowl and cream are cold.

No. H1—Full dozen carton, per dozen $16.65

No. D1—Less than carton, per dozen 17.20

EXTRA BOWLS

No. D701—W't per doz. 20 lbs., per dozen 4.45

EXTRA BLADES

No. D702—W't per doz. ⅓ lb., per dozen $4.45

HALF DOZEN IN A CARTON

WHIPPIT CREAM WHIP

The Whippet will quickly whip cream stiff. Needs no special crock, any bowl or dish will do. Made of the finest nickeled steel and guaranteed for years.

The patented agitator positively prevents spatter.

Easily taken apart and put together. Cleaned in a jiffy.

No. D21—13¾ in. over all. Handle black enameled, blades and rods of tool steel, w't per doz. 11 lbs., per doz. $17.75

PACKED IN BEAUTIFUL INDIVIDUAL BOXES

JAR CREAM WHIP AND EGG BEATERS

No. D91—Holts, 13⅜ in. egg beater with cast iron frame and gears, tinned agitators and a 1 pt. jar, w't per doz. 25 lbs., per dozen $15 55

No. D92—Holts, 16¼ in. egg beater with retinned frame and gears, with retinned fluted agitators and a 1 qt. jar, w't per doz. 35 lbs., per dozen $22.75

ONE IN A BOX

SUNLITE BEATER AND ALUMINUM BOWL

With Non-spatter Cover

The beater is strong and durable and develops remarkable speed.

Cover is nickel plated and securely fastened to beater.

Bowl is high grade aluminum with paneled sides which add to the beauty and offer the necessary resistance to quickly beat the contents.

No. D23—Height over all 12 in., diameter of bowl 5 in., height of bowl 5¼ in., w't per doz. 18 lbs., per dozen $17.75

ONE IN A TUBE
ONE DOZEN IN A CARTON

LADD MIXER CHURNS

Specially designed glass urns, polished nickel plated tops—Ladd beaters—mayonnaise attachment.

Beaters have 8 blades, stamped steel, nickel plated. They insert firmly into Ladd Mixers, and are fastened in by a closed top. Oil drip in top contains a regulator for oil flow.

LADD MIXER CHURNS are 3-in 1—an all-steel kitchen beater, a general kitchen mixer, a churn and butter merger, each the BEST for its purpose and ALL-IN-ALL, THE KITCHEN'S MOST USEFUL UTENSILS.

Nos.	D87	D97
Capacity, qts.	1	2
W't per doz., lbs.	40	60
Per dozen	$50.00	66.00

ONE IN A CARTON

CLAMPS FOR LADD CHURNS

Nos.	D1	D2
For Mixer, No.	D87	D97
Per dozen	$5.35	6.20

BEATER SETS

With Bowl and Cover

A perfect beating and mixing apparatus, that is at the same time strong, durable, simple, efficient and good looking.

Beater develops high speed with ease of operation owing to extra large wheel of heavy material and smoothly cut gears. A large axle with double bearing prevents slipping or binding. Metal parts nickeled. Handles snow-white, blue-tipped.

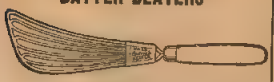
Bowl is high grade ovenware snow-white inside and out, except for blue bands matching enamel on handles. Bowl is 5¼ in. high, 5 in. in diam.

Cover is of patented design, securely fastened to beater so that both beater and cover can be easily raised to see condition of ingredient being whipped.

No. D40—Set complete, Beater, Bowl and Cover, height over all 12 in., w't per doz. sets 42 lbs., per dozen sets $26.10

ONE SET IN A CARTON

BATTER BEATERS



For mixing batter, beating eggs or whipping cream. This new beater was designed at request of expert cooking teachers, to produce effective mixing and yet be free from cross bars or sharp edges, making it easy to clean.

No. D250—White enamel handle, blade nickel plated and electro welded, durable and sanitary, 11 in. over all. Packed one in glassine envelope, explaining its use..per dozen $4.45

ONE DOZEN IN DISPLAY BOX

HEAVY HOTEL EGG WHIPS

French, tinned spring wire, smooth wire bound handle.

Will hold their shape.

HEAVY HOTEL

Nos.	D120	D140	D160	D180
Length, in...	12	14	16	18
W't, doz., lbs.	5½	7	8	12
Per dozen..	$14.00	16.10	17.65	20.55

FAMILY SIZE

No. D12—Length 12 in., 7 bows, No. 15 wire, w't per doz. 4 lbs., per dozen $6.65

ONE DOZEN IN A PACKAGE

No. D124—Superior, retinned, length 12¾ in., wires electrically welded, w't per doz. 2 lbs., per dozen $6.10

ONE DOZEN IN A PACKAGE

EGG BEATERS OR WHIPS

SURPRISE, tinned wire frame with twisted wire stiff triple handle, woven wire filling, length over all 10¼ in.

No. D80—W't per doz. 1 lb., per dozen $0.75

EGG BEATERS OR WHIPS

No. D349—Diamond, No. 11 Frame, No. 20 cross wires, w't per doz. 1½ doz. 1½ lbs.....per dozen $1.75

ONE DOZEN IN A PACKAGE

No. D901—Heavy tinned frame, heavy gauge cross wires, 17 ga., w't per lbs.....per dozen $1.75

ONE DOZEN IN A PACKAGE

DOMESTIC SCIENCE

No. D1236—Extra heavy tinned wire frame filling of heavy steel straps twisted to form quick beating surface 10¾ in. long, w't per doz. 1¾ lbs., per dozen $2.45

ONE DOZEN IN A PACKAGE

No. D888—Improved Surprise, heavy tinned wire, spiral wire edge, twisted wire stiff triple handle, w't per doz. 2 lbs.....per dozen $1.35

ONE DOZEN IN A BOX

VAN DUSEN STAMPED TIN

Adapted to whipping butter, cream and eggs.

No. D20—Length 11 in., family size, w't per doz. 1 lb..per dozen $1.65

ONE DOZEN IN A PACKAGE

EGG BEATER BOWLS

Yellow glazed pottery, white banded, height 5 in., diameter 4¼ in., made to fit Blue Whirl Aluminum, Ladd's and other beaters, w't per doz. 20 lbs.

No. H85—Full one dozen cartons, per dozen $4.65

No. D85—Less than carton, per dozen $4.65

EGG BEATERS

No. D25 No. D37 No. D6

No. D25—Genuine **Family Dover,** cast frame and gears, auxiliary cog wheel to steady main drive wheel, length 10 in., w't per doz. 6 lbs., per dozen $4.10

No. D35—Large, genuine **Dover,** cast frame and gears, auxiliary cog wheel to steady main drive wheel, length 12¾ in., w't per doz. 11 lbs., per dozen $6.90

For Use with Tumbler.

No. D37—Genuine Dover, full size cast frame and gears, small nickel plated agitators, will rotate freely within 2 in. tumbler, length 10¾ in., w't per doz. 6 lbs..per dozen 4.10

ONE DOZEN IN A CARTON

No. D6—Dover Pattern, 8¾ in., cast frame and gears, w't per doz. 8¾ lbs.....per dozen $2.90

No. D16—Dover, Pattern, 10 in., cast frame and gears, w't per doz. 5 lbs.....per dozen $3.10

No. D116—Dover Pattern, 12¾ in., heavy cast frame and deep gears, w't per doz. 11 lbs..per dozen $5.55

ONE DOZEN IN A BOX

No. D451. Nos. D452, D552

BETTY TAPLIN

A smooth working toy.

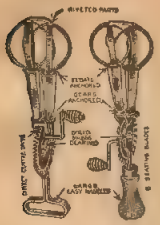
No. D451—Bright tin finish, 5¾ in. long—durable and attractive, w't per doz. 1 lb.....per dozen $1.65

Center drive, double dash, tinned cast frame and handle.

Nos.	D452	D552
Length, in.	10¾	12¾
Blades	8	9
W't doz., lbs.	6	14
Per dozen	$6.10	10.20

ONE DOZEN IN A CARTON

EGG BEATERS



LAVA

No. D00, Nos. D33, D34 and D 38.

All steel, light, strong, full nickel plated, easily cleaned and sanitary. Eight beating blades.

No. D00—00-small home size, white enamel handle 9 in. high, w't per doz. 6 lbs.....per dozen $8.90

No. D33—0-small home size, 9¼ in. high, w't per doz. 4 lbs., per dozen $9.75

No. D34—1-home size, 11 in. high, w't per doz. 5 lbs.....per dozen $11.55

No. D38—2-hotel size, 12 in. high, w't per doz. 9 lbs....per dozen $14 20

ONE DOZEN IN A BOX

ALUMINUM BEAUTY

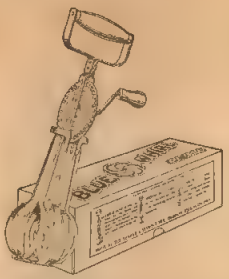
Made of Aluminum Alloy. Durable, substantial and easily cleaned. Cannot rust. Will not leave black marks on white enameled ware. Always smooth and easy running. Cogs never slip. The large handle allows plenty of play for the hand.

Fully Guaranteed

No. D72—10¼ in., w't per doz. 6 lbs., per dozen $17.75

ONE IN A CARTON

EGG BEATERS



Finished in beautiful kitchen blue, with high gloss blue porcelain handle.

All parts, including the blades, resist rust through special patented process.

Nos.	D60	D61	D62
Size .....Medium	Tumbler	Large	
Height, in. ..	10¼	10¾	12⅜
W't., doz. lbs.	10½	9	15
Per dozen ...$17.75		17.75	26.65

No. D60 IN A HOLLY BANDED BOX. ONE IN AN INDIVIDUAL BOX

DAINTY WHIRL KITCHEN WHIRL

Strongly made—smooth running, gears cannot get out of mesh, 8 blades, metal parts, nickel plated, length 11 in., w't per doz. 6 lbs.

No. D63—Dainty Whirl, white enamel handle .....per dozen $8.90

No. D64—Kitchen Whirl, nickel plated handle.....per dozen $8.90

ONE DOZEN IN A BOX

EGG BEATERS

No. D29.

No. D29 Holt's Winged, 10½ in., cast frame and gears, fluted agitators, w't per doz. 7 lbs., per dozen $4 75

No. D30—Holt's Hotel, 13¼ in., heavy frame, fluted agitators, winged .....per dozen $6.35

HALF DOZEN IN A BOX

Sanitary handle which gives perfect control, one-piece wire frame, genuine driving wheel bearing. Impossible for cogs to get out of mesh. Smooth running and easily cleaned, will not splash when operating. Height 11 in., w't per doz. 6 lbs.

No. H42—Full one dozen cartons, per dozen $7.20

No. D42—Less than cartons, per dozen $7.20

ONE DOZEN IN A CARTON

TURBINE

The only beater that can be used in a shallow dish without spattering.

For eggs and cream in large or small quantities. Well built, smooth running to avoid all spattering and lasts a lifetime.

Stamped steel frame retinned, height 10¼ in., diam. of turbine 2¼ in., w't per dozen 42 lbs.

No. D132—
Per dozen $5.90

SIX DOZEN IN A CASE

ADVANCE STYLES AND SHADES IN EVER-READY LATHER BRUSHES

With Lavender, Red and Green Celluloid Handles EXCEPTIONALLY ATTRACTIVE AND PRACTICAL
Colored handles prevent confusion and mixups. Eliminates others than owner from using lather brush by mistake. Easily identified. Good looking. Low priced. Fully guaranteed.

No. C47—EVER-READY LATHER BRUSHES, assorted ½ dozen in a box as follows:

2 only with **Lavender Celluloid handles** and **Lavender hard rubber ferrules,** full length 4¾ in.

2 only with **Red Celluloid handles** and **Red hard rubber ferrules,** full length 4¾ in.

2 only with **Green Celluloid handles** and **Green hard rubber ferrules,** full length 4¾ in.

Each brush has 2 in. mixed badger hair bristles gripped in vulcanized hard rubber and is put up in an individual carton with glassine window.

Per dozen $16.00

HALF DOZEN IN AN INGENIOUS, ATTRACTIVE, EASEL COUNTER DISPLAY CARTON. WE DO NOT BREAK BOXES

EVER-READY LATHER BRUSHES

A well-selected assortment, put up in a handsome cloth lined, partitioned display tray. A practical and valuable silent salesman.

No. C710—EVER-READY LATHER BRUSH ASSORTMENT consists of—

2 only—No. C75	....Retail Value Each	$0.50	$1.00	1 only—No C202	...Retail Value Each	$1.50	$1.50
3 only—No. C101	...Retail Value Each	.75	2.25	1 only—No C3222	..Retail Value Each	1.75	1.75
2 only—No. C2X	...Retail Value Each	1.00	2.00	1 only—No. C6272	...Retail Value Each	2.00	2.00
1 only—No. C199	...Retail Value Each	1.25	1.25	1 only—18¾×7×1¾ in. Display Tray.			
1 only—No. C1BW	..Retail Value Each	1.00	1.00				
		Total Retail Value.....				$12.75	

Per assortment $15.55

ONE ASSORTMENT IN A BOX

EVER-READY LATHER BRUSHES

All bristles and hair that go into the manufacture of Ever-Ready lather brushes go through a most exhaustive sterilization process to insure absolute cleanliness. Each Ever-Ready brush is stamped sterilized. The bristles are mixed and blended with ingenious mechanical skill, vulcanized to flint hardness with a rubber base that holds impervious to all usage. Fully warranted.

No. C55½—Full length 4⅛ in., black rubberized handle aluminum ferrule, 2 in. **natural black bristles,** Set in hard rubber..per dozen $4.45

No. C60—Full length 4⅛ in., black rubberized handle aluminum ferrule, 2 in. **gray mixed bristles** set in hard rubber....per dozen $6.65

No. C75—Full length 4⅛ in., ebonee finish, wooden handle, aluminum ferrule, 2 in. **mixed badger** bristles set in hard rubber..per dozen $8.45

No. C101—Full length 4⅛ in., Ivoree handle, ebonee ferrule, 2 in. mixed badger hair bristles set in hard rubber.....per dozen $11.55

No. C2M—Full length 4⅛ in., ebonee finish, wooden handle, black vulcanized hard rubber ferrule, 2⅛ in. **mixed badger** bristles set in hard rubber.....per dozen $12.45

EACH BRUSH IN AN INDIVIDUAL BOX. HALF DOZEN IN A CARTON

No. C2W—Full length 4⅛ in., ebonee finish wooden handle, black vulcanized hard rubber ferrule, 2 in. **natural pure French bristles** set in hard rubber....per dozen $12.45

No. C100—Full length 4⅛ in., white bone handle, black vulcanized hard rubber ferrule, 2 in. mixed badger bristles set in hard rubber, per dozen $14.80

No. C2K—Full length 4⅛ in. Ivoree handle, black vulcanized hard rubber ferrule, 2 in. mixed badger bristles.....per dozen $12.90

No. C109—Full length 4⅛ in., white bone handle, black vulcanized hard rubber ferrule, 2 in. pure white bristles set in hard rubber, per dozen $15.55

EACH BRUSH IN AN INDIVIDUAL BOX. HALF DOZEN IN A CARTON

No. C199—Full length 4⅛ in., Ivoree handle, ebonee ferrule, 2 in. mixed badger hair bristles set in hard rubber.....per dozen $16.00

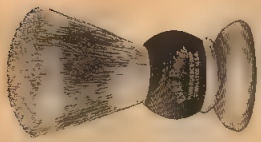
No. C202—Full length 4⅛ in., white bone handle, black vulcanized hard rubber ferrule, 2 3/16 in. best quality mixed badger bristles set in hard rubber.....per dozen $17.75

No. C5222—Full length 4⅛ in., ebonee handle, ebonee ferrule, 2 3/16 in. mixed badger hair bristles set in hard rubber.....per dozen $20.00

No. C8222—Full length 4⅛ in., Ivoree handle, ebonee ferrule, 2 3/16 in. mixed badger hair bristles set in hard rubber.....per dozen $19.55

EACH BRUSH IN AN INDIVIDUAL BOX. HALF DOZEN IN A CARTON

EVER-READY LATHER BRUSHES



Regular $1.00 Seller

Has a wide flat base, short squatty handle with comfortable grip. Wide flat base prolongs the life of brush as it permits same to stand upright to dry out after being used.

No. C3WC—Squat, full length 3½ in., ivoree handle, base of which is 1⅞ in. wide, black vulcanized hard rubber ferrule, 2 in. mixed badger bristles set in hard rubber, per dozen $13.35

No. C6272—Full length 4⅜ in., Ivoree handle, ebonee ferrule, 2¾ in. badger blend bristles set in hard rubber, per dozen $35.55

No. C6262—Full length 4⅜ in., Ivoree handle, ebonee ferrule, 2¾ in. badger blend bristles set in hard rubber, per dozen $31.10

No. C5252—Full length 4⅜ in., Ivoree handle, ebonee ferrule, 2 5/16 in. good quality mixed badger hair bristles set in hard rubber, per dozen $26.65

No. C104—Full length 4¼ in., Ivoree handle, ebonee ferrule, 1¾ in. mixed badger hair bristles set in hard rubber.....per dozen $12.60

EACH BRUSH IN AN INDIVIDUAL BOX. HALF DOZEN IN A CARTON

LATHER BRUSHES

VULCANIZED LATHER BRUSH ASSORTMENT

No. C2176—Lather Brushes, assorted half dozen to a box as follows—

2 only, with round white bone handles, black rubber ferrules, 2 in. mixed badger bristles set in rubber.

2 only, with ebonized handles, black rubber ferrules, 2¼ in. mixed badger bristles set in rubber.

2 only, with fancy white bone handles, black rubber ferrules, 2 in. mixed badger bristles set in rubber.

Per dozen $12 20

Each brush in individual box with transparent window.

HALF DOZEN IN A DISPLAY CARTON.

No. C275 Pyramid Assortment—Consisting of 1 dozen lather brushes, comprising 2 apple handles with ebonized ferrules, 2 brown enameled twine bound handles, 2 brown enameled wire bound handles, 2 cherry enameled handles with ebonized ferrules, 2 walnut finish handles with bone ferrules, 2 wire bound apple handles, the two latter have badger hair, all of the former have fine white bristles.....per assortment $8.35

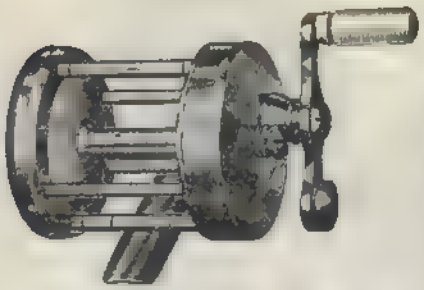
ONE DOZEN IN A BOX

No. C165 Duke Assortment, consisting of 1 dozen lather brushes, comprising 2 black enameled handles, 2 brown enameled handles, 4 twine assorted colors, with black handles, 4 wire bound assorted colors, black handles, all have white bristles.....per assortment $3.65

ONE DOZEN IN A BOX

FISHING REELS.

"SIMPLEX."



IMPROVED SIMPLEX REEL.

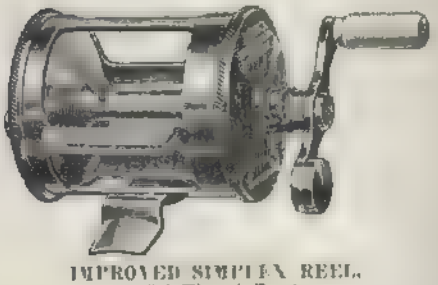
This reel can easily be taken apart for cleaning and oiling by unscrewing cap on back end and thumb nut of front end of reel. Pinion and gear stub are made of the very best imported steel, tempered, ground and polished

Net each

NO. D25 Diameter of spool 1⅞ in., length of spool 1⅛ in., capacity 85 yards No. 5 Kingfisher line Retail price $15.00 **$20.00**

ONE ONLY IN A BOX

"SIMPLEX."



IMPROVED SIMPLEX REEL.
With Thumb Rest.

The reel is a decided improvement over other takeapart reels in material, workmanship, action and durability; and is, beyond a doubt, the best reel that has ever been produced for the price.

Made of brass and German silver, and all brass parts are heavily nickel plated. Net each

NO. D338 Diameter of spool 1⅞ in., length of spool 1⅞ in., will hold 120 yards of No. 5 Kingfisher Line.....

Retail price $12.00 **$16.00**

ONE ONLY IN A BOX

"BLUE GRASS."

JEWELED.
Most Popular Size for General Purposes

Very powerful gear and a most reliable reel, made of German Silver, quadruple multiplier, balance handle, click and drag and screw off oil caps

Net each

NO. D3RJ—Diameter of spool 1⅛ in., length of spool 1⅝ in., capacity 80 yards No. 3 Kingfisher line.....

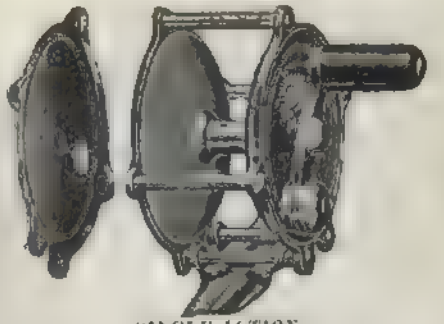
.....Retail price $25.00 **$33.00**

NO. D3RG—Plain bearing without jewels.

.....Retail price $20.00 **26.70**

ONE ONLY IN A BOX

TROUT REELS.

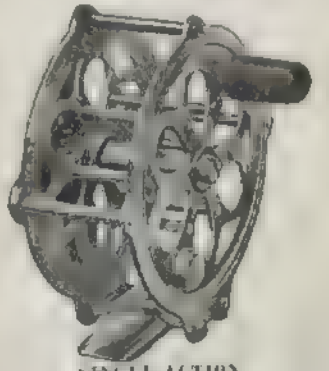


SINGLE ACTION.
SEMINOLE.

Adjustable back sliding click, flush crank balanced, black celluloid handle; satin gun metal finish. Net per Doz.

NO. D863E—Capacity 60 yards.....**$10.50**

ONE ONLY IN A BOX



SINGLE ACTION.
GUN METAL FINISH.
PROGRESS OR YALE.

These reels are the lightest that can be made to give service. The frame and reel-seat are made of one piece and there are therefore no screws to jar loose and become lost. The spool is removable and is equipped with a backsliding steel click

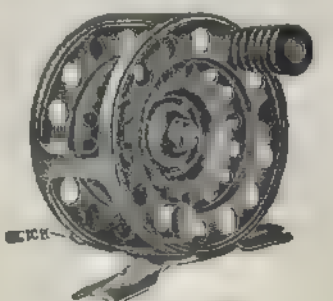
The click itself is made of hardened steel

Net Per Doz.

NO. 1188 (483 or 60 PG)—60 yards.....**$20.00**

NO. D1184 (484 or 80PG)—80 yards **22.00**

ONE ONLY IN A BOX.



YALE IDEAL REEL.
SINGLE ACTION.

The Ideal Reel meets every requirement of expert as well as amateur anglers. This is the best low price single action reel that can be had, is adapted for all classes of fish and the different methods of fishing, can be taken apart by removing one screw

Adjustable click, phosphor bronze spring, the large open spool permits the line to dry quickly and winds the line as quickly as a multiplying reel. Net per Doz.

NO. 1G—Capacity 80 yards.....**$16.80**

ONE ONLY IN A BOX

TROUT REELS.

UNION LIGHTWEIGHT FLY REEL.
Gun Metal Finish.

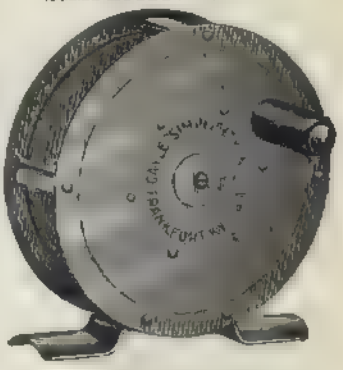
Trout Reel, single action with click, light weight frame and spool strongly made.

Net per Doz

NO. 150½—Capacity 60 yards..... **$21.00**

ONE ONLY IN A BOX

SIMPLICITY REELS.



GAYLE SIMPLICITY.

This is a good, strong, single action casting reel, with adjustable BACK SLIDING CLICK.

Fits on reel seat of any rod.

Made of best Cold Rolled Steel, heavily nickel plated, and polished

Diameter, 2½ inches.

Length, ¾ of an inch.

Net Per Doz.

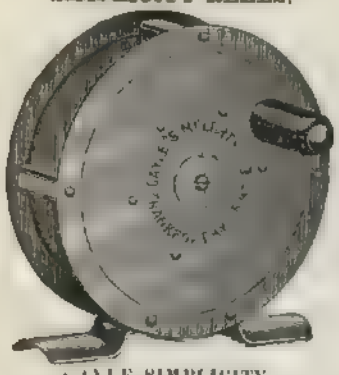
NO. 2—Simplicity, capacity 60 yards.....Retail price, each, 50c **$8.00**

ONE DOZEN IN A BOX.

Our lines of Fishing Tackle and Sporting Goods, we do not think are equalled by any other jobbers in this section.

FISHING REELS.

SIMPLICITY REELS.



GAYLE SIMPLICITY.

This is a single action, free running casting reel that takes up line as fast as a multiplying reel

Made of Solid BRASS, bright finish

Adjustable BACK SLIDING CLICK, makes this an ideal Reel for FLY fishing.

Diameter, 2½ inches

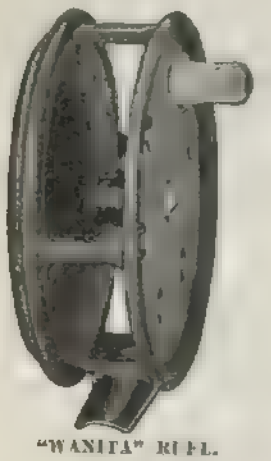
Length, ⅝ of an inch.

Net per Doz.

NO. D3—Simplicity, capacity 60 yards... ...Retail price, each, $1 00 $16.00

ONE-HALF DOZEN IN A BOX.

TROUT.



"WANITA" REEL.

Fly Casting.

One of the Lightest Reels Ever Made.

Here's a fly reel that combines lightness and ruggedness as it has never been combined before

It is built of a particular alloy metal specially prepared to give lightness with no sacrifice of strength and rigidity. It will "stand up" under the roughest as well as the most careless usage. It is perfectly balanced, very compact and winds quickly and easily Taken apart in a jiffy—all parts instantly accessible

Bearings are of phosphor bronze. Both the click and the gear are made of the highest quality hardened and tempered steel The click rests against a nickel coil spring giving direct tension The spring itself is made of deep drawn spring steel and will not break The reel seat is of nickel silver composition and is unbreakable in service. This seat is rigidly doweled and screwed onto the reel housing. Perfectly accurate workmanship insures the perfect balance and beautiful running qualities which have made this reel dear to the heart of the experienced angler. Weight is 3⅞ ounces.

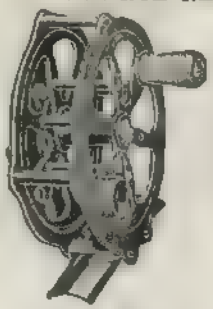
Net Each

NO. D383 (1100).....Retail price $5.00 $6.70

ONE ONLY IN A BOX.

TROUT.

ST. JOE FLY ROD REEL.



South Bend.

Skeleton type fly rod reel. Very light, yet durably built. Single action with perfect balance. Open construction gives the desired lightness, allowing line to dry quickly. Has adjustable click. Capacity 80 yards of line Diameter 2¼ inches. Width 1 inch. Finished in dull black. Weight 5 ounces each.

Net Per Doz

NO. 1180 Capacity 80 yards... ....Retail price [illegible] $27.00

ONE ONLY IN A BOX

PLUEGER—SINGLE ACTION.

"GOLDEN WEST" TROUT REEL.

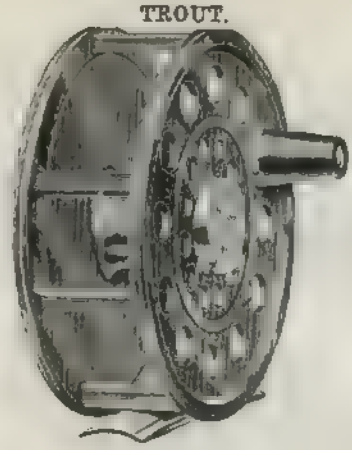
The "Golden West" Reel is Made of the Finest Quality Materials and Skilled Workmanship. Light Weight, Durable and Efficient. The Adjustable Differentiating Click is Designed to Operate with a Strong Resistance when the Line is Going Out and with a Very Light One when Reeling In. Nickel Silver Finish, Hard Rubber Disks, Interleaved with Aluminum, Bushed Bearings. Line Shedding Adjustable Back Sliding Differentiating Click, Line Shredding Off Cup on Back Plate. Steel Pivots, Flush Balanced Crank, Hard Rubber Handle.

Net Each

NO. D1133—Capacity 60 yards, 2½ inch disk, ⅞ inch pillar..... .....Retail price $6.00 $8.00

ONE ONLY IN A BOX.

TROUT.



REDDON IMPERIAL.

This new model Fly Reel has been pronounced by prominent Tournament Casters as ideal in every respect. The entire frame and spool are die cast aluminum

The large arbor or drum of the Reel insures quick recovery of the line when reeling in, also avoids small diameter coils which are injurious to the enameling. The bearings are of steel and bronze which will give an unlimited amount of service.

The Reel can be taken apart instantly and cleaned and oiled without tools, as the spool can be lifted from the frame by releasing the catch on the handle side of the spool

Net Each

NO. D125P—Reddon Imperial Trout Reel. Plain .....List each, $12 50 $18.68

ONE ONLY IN A BOX

We guarantee all goods branded "PAGOMA" to be of first quality material and best workmanship, and any article proving unsatisfactory will be promptly replaced.

TROUT FISHING REELS.

AUTOMATIC.

UTICA AUTOMATIC.

The latest and best in automatic reels. Has no equal. Is the very latest improvement in an automatic reel. Efficient—holds 50 yards; durable—all wearing parts hard metal; strong—reinforced edges; compact; light weight—5¼ oz. Net Each

NO. DUTK—Capacity 50 yards, weight 8½ oz. .....Retail price $8.00 $8.00

ONE ONLY IN A BOX.

GO-ITE REEL.

The Go-ite Reel is the large type reel at its very best. It is light, compact, and easy to handle. The broad thumbing band and tension screw gives the amateur fisherman a veteran's control of lure, line and fish. The off-set reel seat permits plenty of clearance between the rod handle and the thumbing band, avoiding barked and bleeding knuckles.

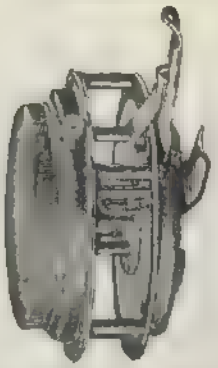
The materials, design and construction of the Go-ite Reel are the result of years of experiment on the part of seasoned fishermen which has enabled them to embody in it these outstanding advantages which have fully converted hundreds of fishermen to the use of the Go-ite Reel:

1. The thumbing band which gives the angler absolute control over his line, lure and catch. Being smooth, the thumbing band does not wear on the thumb
2. The tension net and spring housing
3. The anti-backlash ring which eliminates back lash.
4. The direct agate line guide
5. The one piece aluminum reel.
6. The off-set reel seat permitting full grip on the rod
7. The large circumference giving absolute control of the fish—handles 14 to 20 inches of line at one turn.
8. The weight—only six ounces.
9. The line drying wheel. Net Each

NO. DG—Size 5¼ in., bright finish, polished.....List price $6.00 $8.00

ONE ONLY IN A BOX.

AUTOMATIC.



MARTIN AUTOMATIC FISH REELS.

For over 30 years the Martin Automatic has been the lightest, strongest, simplest, most durable and most responsive Automatic reel made. Automatic reels have come and gone, but the "Martin" continues in its supremacy Some of the original old-timers are still in use

Most of the reel is made of Aluminum and Duraluminum reducing the weight to approximately seven ounces. It is stronger than ever because it has been greatly simplified.

All parts requiring strength are of brass or nickel silver. There are no projections on which the line may catch and a nicely fitted line spool prevents all possibility of an on tangled line. The direct connection between the main spring and the line spool makes the "Martin" the most responsive of all Automatics.

Equipped with special line protector which is mounted beside one of the reel posts. It is made of special Tungsten steel, hardened glass hard.

Other new features are the simplified Brake Lock and Brake Release operated by one finger of one hand. The hook hole in brake release lever will be welcome to every fisherman

Net Each

NO. 1M—Especially adapted to trout fishing. Is the smallest of the Martin Reels and carries 75 feet of G line. It is a first-class reel, trim and compact and well adapted to small stream fishing. Can be used for heavier work if desired.....List price $4.50 $6.20

NO. 2M—Is the second Reel in size and carries more line than the No. 1, having a capacity of 90 feet of G line, and a larger amount of smaller size. This greater capacity makes the No. 2 preferable to the No. 1 when greater length of line is desired It is a strong, serviceable reel, adapted to general fishing.....List price $5.00 $7.00

NO. 3 MARTIN—It is a splendid reel for bass and other game fish. It is considerably larger than the No. 2 Reel, carrying one hundred and fifty feet of G line, which greater strength is quite an advantage for heavier fishing. The No. 3 is an all-around Reel and capable of efficient and lasting service .....List price $5.50 $7.60

ONE ONLY IN A BOX.

AUTOMATIC.

NEW STYLE "Y AND E."

The Automatic Combination Reel is the great favorite because you can make your cast free-running, and the instant slipping of a catch applies the tension, either to rewind your line for another cast, or to prevent the fish from dropping your hook. Has the key-winding feature which enables you to apply more tension instantly in case you have a lot of line out, or to vary the tension according to your requirements

Made of aluminum with tool steel bearings Net Each

NO. DA—Capacity 125 feet No. 5 silk line, winding 50 feet automatically without rewinding; diameter 2⅞ inches, weight 7½ oz.... $18.00

NO. DB—This is the favorite size for all-around use. Capacity 300 feet No. 5 silk line, winding 90 feet automatically without rewinding; diameter 3⅝ inches; weight 11 oz 19.00

ONE ONLY IN A BOX.

REEL CASES.

SOUTH BEND.

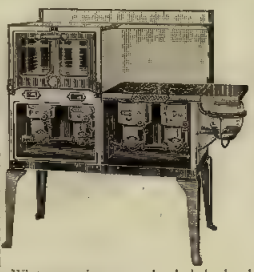
Genuine Sole Leather Reel Case with strap and snap button fastener. Will hold any South Bend reel or reels of similar size having double grip handle. Weight ¼ pound each. Net Each

NO. 257 Leather Reel Case.....List each $1.25 $1.70

OIL COOKING RANGES

HARVARD

With Patented Kerogas Burners



Patented Kerogas Burner—Genuine brass, drawn out of one piece. It is rustproof and seamless. Saves fuel. Gives intense heat. Burns 400 gallons of air to every gallon of kerosene oil consumed. The Kerogas burner generates gas from kerosene oil, it does not burn the oil. It mixes the proper amount of air with that gas causing the stove to burn like a gas range. The heat from this burner is intense and clean and the flame is concentrated directly under the cooking utensils. Oil inlet prevents water from entering the burner. **Wick Raising Device**—Has two cog wheels with three points of support for the stem. It grips the wick carrier at all times. **Wick Regulator**—Makes stove as easy to operate as a gas range. **Drums**—Scientifically constructed. Extracts maximum amount of gas from the oil and mix it with the proper amount of air. **Cooking Service**—Range is equipped with two giant burners for the cooking service and two regular burners for the oven. Has two direct and two auxiliary cooking holes—start the cooking directly over the two Giant Burners and if these are required for the preparation of other foods, slide the cooking started over the burner to the auxiliary holes where it will continue to cook until fully prepared. **Oven**—Roomy, with full asbestos lining. Glass door with thermometer. Equipped with two regular Kerogas Burners. For quick results, this oven is provided with a partition plate. For biscuits, for instance, this plate is inserted in the middle rack slide. This reduces the oven size, making possible quick pre heating and a hot, fast oven. **Sub-Tank**—Under the kerosene fount is made of brass and will not rust. **Glass Tank**—Is extra large, holding one gallon of oil. It always shows the amount of kerosene in the tank and is easy to fill and keep clean. Oil feed pipe is curved and has removable cap for cleaning purposes. **Construction**—Body made of heavy steel. Cast iron oven door, legs and end shelf. Polished cast iron cooking top. **Finish**—Black rubberoid, with gray enamel door panel. White porcelain enamel splash back, aluminized oven. Drums are blue porcelain enamel.

No. 6650 Size of cooking top, 21½x21½ inches; height to top of stove, 34 inches; height overall including high shelf, 51 inches; size of oven, 18x12x18 inches; shipping weight, 248 pounds. . . . . Each, **$72.50**

One in a Crate

OIL COOKING STOVES

HARVARD REGULAR

With Patented Kerogas Burners

Cut shows No. 236 Equipped with No 3A High Shelf

Patented Kerogas Burner—Genuine brass, drawn out of one piece. It is rustproof and seamless. Saves fuel. Gives intense heat. Burns 400 gallons of air to every gallon of kerosene oil consumed. The Kerogas burner generates gas from kerosene oil, it does not burn the oil. It mixes the proper amount of air with that gas, causing the stove to burn like a gas range. The heat from this burner is intense and clean and the flame is concentrated directly under the cooking utensils. Oil inlet prevents water from entering the burner. **Wick Raising Device**—Has two cog wheels with three points of support for the stem. It grips the wick carrier at all times. **Wick Regulator**—Makes stove as easy to operate as a gas range. **Drums**—Scientifically constructed. Extract maximum amount of gas from the oil and mix it with the proper amount of air. **Square Grates** Permit the heat to reach the sides, as well as the bottom of cooking utensils. Cause the heat to spread along the entire surface of the stove. **Sub-Tank**—Under the kerosene fount is made of brass and will not rust. **Full Cabinet Back**—Prevents false drafts from reaching the flame. **Lower Shelf**—Convenient for pots, pans and kettles. It is placed high enough off the floor to permit cleaning under it with ease. **Glass Tank**—Is extra large, holding one gallon of oil or sufficient to allow one burner to burn 24 hours; two burners, 12 hours, etc. It always shows the amount of kerosene in the tank and is easy to fill and keep clean. Oil feed pipe is curved and has removable cap for cleaning purposes. **Construction** Body is full cabinet closed-in style. Straight frame and legs. The legs are securely bolted to the frame. The 3 and 4 burner stoves have tops which are reinforced so that they will hold the heaviest cooking utensils. The tops are built extra wide. The end shelf acts as a protector of the glass tank and also furnishes a very convenient extension to the wide top. Grates are of cast iron, size 9x9 inches. **Finish**—Dark olive green enamel with black japanned top, end shelf, base shelf and lower shelf. Drums are blue porcelain enamel.

Cut Shows No. 226

No.	226	236	246
Number of Burners	2	3	4
Size of Top, Inches	25½x17½	35x17½	43½x17½
Height to Top of Stove, Inches	30⅛	30⅛	30⅛
Length of Stove Top Including End Shelf, Inches	33¼	43¾	51¾
Shipping Weight, Pounds	57	69	81
Each	$17.25	22 00	27.50

One in a Crate

Note: Above Prices are for Stoves without High Shelf.

Cut Shows No. 246

HIGH SHELVES

For Harvard Regular Oil Cook Stoves

Are made of extra heavy sheet steel, with embossed panels; black japanned, with gray japanned splashers and nickel plated trimmings.

No.	2A	3A	4A
For Stoves, No.	226	236	246
Width, Inches	25½	35	43½
Height, Inches	23	23	23
Depth, Inches	10¾	10¾	10¾
Weight Crated	24	28	31
Each	$5.25	6.25	7.50

One in a Crate

OIL COOK STOVES

HARVARD GIANT

With Patented Kerogas Burners

Giant Kerogas Burner—Rapid cooking. Made of genuine brass, drawn out of one solid piece. Seamless and rust-proof. Clean heat—no soot, or odor. **Regular Kerogas Burner**—Highly economical. Made of brass drawn out of one solid piece. Rust-proof and seamless. No complicated parts Generates gas from the oil. Intense, blue gas flame, free from soot or odor. Burns 400 gallons of air to every gallon of kerosene oil consumed. **Wick Raising Device**—Grips the wick carrier at all times. Has two cog wheels with three points of support for the stem—insures perfect operation. **Wick Regulator**—Makes stove as easy to operate as a gas range. **Burner Drums**—Scientific construction. Mixes the proper amount of air with the gas generated in the burner. Causes stove to burn like a gas range. **Grates**—Square type. Permit heat to reach the sides as well as bottom of cooking vessels. Allow 30 per cent more heating surface. **Brass Sub-Tank**—Under oil fount. Made of brass will not rust. **Full Cabinet Back**—Prevents false drafts from reaching the flame. **Lower Shelf**—Convenient for pots, pans and kettles. High enough off the floor to easily clean underneath. **Construction**—Body is full cabinet closed in style. Straight frame and legs. The legs are securely bolted to the frame. Tops are reinforced so they will hold the heaviest utensils. The tops are built extra wide The end shelf acts as a protector of the glass tank and also furnishes a very convenient extension to the wide top. Grates are of cast iron, size 8x9 inches. **Finish**—Dark olive green enamel with black japanned top, end shelf, base shelf and lower shelf. Drums are blue porcelain enamel.

THREE-BURNER

Equipped with one Giant Kerogas burner and two regular burners

No. 2630 Size of top, 35x17½ inches; height to top of stove, 31½ inches, length of stove top including end shelf, 43¼ inches.

Shipping weight, 72 pounds. . . . . Each, **$26.00**

One in a Crate

FOUR-BURNER

Equipped with one Giant Kerogas burner and three regular burners.

No. 2640 Size of top, 43½x17½ inches; height to top of stove, 31½ inches; length of stove top including end shelf, 51¾ inches Shipping weight, 84 pounds . . . . . Each, **$31.50**

One in a Crate

Note: Above prices are for stoves without high shelf.

HIGH SHELVES

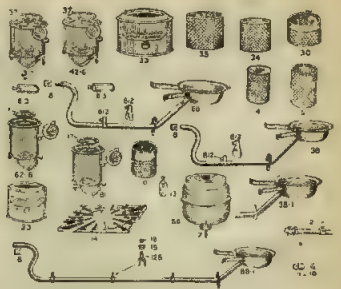
For Harvard Giant Oil Cook Stoves

Are made of extra heavy sheet steel, with embossed panels; black japanned, with gray japanned splashers and nickel plated trimmings

No.	3A	4A
For Stoves, No.	2630	2640
Width Inches	35	43½
Height, Inches	23	23
Depth, Inches	10¾	10¾
Weight Crated, Pounds	28	31
Each	$6.25	$7.50

One in a Crate

OIL COOK STOVE REPAIR PARTS



FOR HARVARD REGULAR AND HARVARD GIANT STOVES

All Repair Parts are made from the same dies and materials that go into the making of the stoves. They are interchangeable and will fit perfectly on any stove of the model for which they are intended.

No.		Each
4	Inner Perforated Tube of Burner Drum for Regular Burner	$0.40
5	Outer Perforated Tube of Burner Drum for Regular Burner	.40
7	Automatic Valve only for Glass Oil Tank	.35
8	Slip Cap for end of Supply Pipe	.15
9	Two Lock Nuts on Supply Pipe	.20
10	Lead Washer only for Pipe Cap	.10
11	Pipe Cap with Lead Washer for end of Supply Pipe	.20
12	Saddle on Supply Pipe for Clamp Burner Holder	.30
13	Clamp Burner Holder with Set Screw	.30
14	Grates for Top of Stove	.55
17	Lifting Wheel on Top of Regular Burner	.20
18	Copper Washer for Union Nut Connection	.15
19	Union Nut Only	.20
20	Regular Wick, with carrier complete	.35
23	Regular Burner Drum, complete	1.60
30	Giant Wicks, with carrier complete	.50
31	Giant Kerogas Burner complete with wick (without burner Drum) (Prior to 1926)	5.75
33	Giant Kerogas Burner Drum, complete	2.25
34	Inner Perforated Tube of Giant Burner Drum	.55
35	Outer Perforated Tube of Giant Burner Drum	.55
37	Lifting Wheel and Rod on Top of Giant Kerogas Burner	.30
38	Supply Pipe with Sub-tank complete—	
	For 2 burner stove (prior to 1926)	2.05
	For 3 burner stove (prior to 1926)	2.50
	For 4 burner stove (prior to 1926)	2.70
38-1	Supply Pipe with Sub-tank complete—	
	For 2 burner stove (1926 and later)	2.05
	For 3 burner stove (1926 and later)	2.50
	For 4 burner stove (1926 and later)	2.70
42-6	Giant Kerogas Burner complete with Wick (without burner drum) (1926 and later)	5.75
56	Glass Oil Tank with Automatic Valve (1915 and later)	1.60
62-6	Regular Burner complete with wick (without Burner Drum) (1926 and later)	3.25
81	Regular Burner complete with Wick without Burner Drum) (prior to 1926)	3.25
88	Supply Pipe with Sub-tank complete—	
	For 2 Burner Stove (prior to 1926)	2.30
	For 3 Burner Stove (prior to 1926)	2.75
	For 4 Burner Stove (prior to 1926)	3.00
88-1	Supply Pipe with Sub-tank complete—	
	For 2 Burner Stove (1926 and later)	2.30
	For 3 Burner Stove (1926 and later)	2.75
	For 4 Burner Stove (1926 and later)	3.00
126	Saddle for Supply Pipe (1926 and later)	.30
812	Saddle on Supply Pipe for Clamp Burner Holder (prior to 1926)	.30
813	Clamp Burner Holder with Set Screw (prior to 1926)	.30
	Steel Legs with Bolts	.45

For Harvard Range

Supply Pipe with Sub-Tank Complete

For No. 4500 Range, Supply Pipe with Sub-Tank Complete **$2.50**

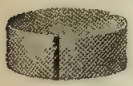
For No. 6650 Range, Supply Pipe with Sub-Tank Complete. **2.50**

Note: Always give name and number of stove. The numbers of the stove are stenciled on left side.

WICK OIL COOK STOVES

NESCO PERFECT

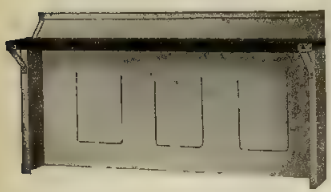
Stove Frame is made of extra heavy steel throughout. Legs are made from extra heavy sheet steel, fitted with leg leveling screws and are attached to the stove with six bolts. A tray, or lower shelf is furnished with each stove; this tray serves for holding cooking utensils. The top of the stove is reinforced with U bars welded to its underside. The tank shelf is 8x10 inches and extends over and affords a protection to the glass tank and provides added top surface; it is hinged to a stationary bracket and swings back out of the way. Grate holes are round. Frames have open backs behind the burners. Highly finished cold rolled steel is used in order to secure the best surface possible On this steel is baked at a temperature of 400 degrees, a coat of high gloss jet black japan onthe legs, top shelf, base and tray, with Special Nesco Gray sides and back of cabinet, and indicator dial panel. The chimneys are porcelain enameled in turquoise blue. Not a single piece of cast iron is used in the entire stove except the grates. Trimmings are highly polished and nickel plated. with neat designs embossed in the ends and front. **Glass Tank.** Is machine made from pure natural green glass and has a 2 inch filler opening; a metal band placed in a recess in the body of the tank serves as a medium for attaching the bail and side handles; capacity, 1 gallon. An automatic valve prevents the oil from spilling. **Glass Tank Suport.** The sub-tank is drawn seamless and is heavily lead coated, pipe line is reinforced, supporting bracket is bolted to the stove. **Feed Pipe Line.** Is made from heavy wrought iron pipe with branch pipes electrically welded on and the entire unit is electro zinc plated.



Rockweave Wick. Is a woven non-burnable wick, made of the best asbestos obtainable. The asbestos strands are woven around brass wires so as to provide air cells, giving space for absorption, and providing an efficient medium for conducting the oil from the burner to the flame. These wicks are reversible and with care will last a year.

Burner. The handle lowers the burner bowl and its contained Rockweave wick by toggle joint (not gears) into the oil level. The oil flows into the boyl and the wick feeds it to the flame. The flame passes up the combustion chamber, air passes in and forms a gas which ignites and rises in a very hot blue flame. The Lifting Device raises the chimney off the burner bowl giving space for lighting. All parts are easily cleaned. The Chimney can be lifted off and taken apart. Rockweave wicks can be removed to be cleaned and the burner bowl channels and surfaces cleaned. A wrench is permanently attached for tightening the packing nut over the sliding joint of the feed pipe line.

HIGH SHELVES



High shelves are always furnished extra. They come for three or four burner stoves only. Are made of extra heavy steel. Embossed panels add strength as well as beauty. The color is Nesco grey for sides and back, the shelf itself is jet black, the braces and corner pieces are nickel plated. Shelves are shipped knocked down. Sides and back fit together in grooves. They are easily put together and attached to stoves.

No.	1102	1103	1104
For Stoves, No.	212	213	214
Width, Inches	24¾	34¾	44¾
Height, Inches	24½	24½	24½
Depth, Inches	11½	11½	11½
Weight Crated, Lbs.	10	14	17
Each	$5.25	6.50	8.00

One in a Crate

TWO-BURNER STOVES

No. 212 Size of top, 24¾x17½ inches; depth of body, 14 inches; height to stove top, 31 inches; length of stove top including shelf end, 33 inches. Weight crated, 60 lbs. ..... Each, $17.35

One in a Crate

THREE-BURNER STOVES

No. 213 Size of top, 34¾x17½ inches; depth of body, 14 inches; height to stove top, 31 inches; length of stove top including shelf end, 43 inches. Weight crated, 76 lbs. ..... Each, $22.00

One in a Crate

FOUR-BURNER STOVES

No. 214 Size of top, 44¾x17½ inches; depth of body, 14 inches; height to stove top, 31 inches; length of stove top including shelf end, 53 inches. Weight crated, 91 lbs. ..... Each, $28.00

One in a Crate

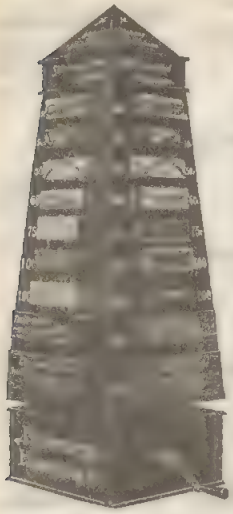
EXTRA PARTS FOR NESCO OIL COOK STOVES

No. 2108 Glass Tank With band and bail attached. Complete with automatic valve ..... Each, $1.50

No. 2122 Rockweave Wicks ..... Per Dozen, 2.00

One-Twelfth Dozen in a Box

Every Retail Store Should Have This Harmonica Assortment



This is just the assortment You need

Here is a Big Beautiful Revolving Display Stand that will sell Harmonicas for You Solidly Constructed of Wood, Finished in Dark Mahogany it will Lend Dignity to Any Store. In the Base Compartment is a Well Constructed Motor that Revolves the Obelisk for 3½ Hours with one Winding.

The display or obelisk stands 32 inches in height and measures 10¾ inches square at the base. It is neatly decorated with attractive silver pressings and stenciled with the number and retail price of the Harmonicas which it carries. By means of steel clamps and supports, 36 genuine Hohner Harmonicas in the keys of A, B♭, C, D, E, F, and G to retail at from 50 cents to $2.00 each, are fastened to the obelisk. These instruments are in a variety of twelve different styles, each one of them being an excellent seller.

You secure the complete stand and 36 of the world-famous Hohner Harmonicas as follows:

16 Asst. Harmonicas retail	$0.50	$8.00
4 Asst. Harmonicas retail	.60	2.40
8 Asst. Harmonicas retail	.75	6.00
2 Asst. Harmonicas retail	1.00	2.00
4 Asst. Harmonicas retail	1.50	6.00
2 Asst. Harmonicas retail	2.00	4.00
Total Retail Value		$28.40

No. 600 Assortment

Retail Value **$28.40**

Costs Merchant **Complete**

Your Margin **$6.90** and Display Stand (Value $15.00)

Refill Assortment

Contains a Complete Refill Stock—Everything that is in the No. 600 Assortment except the Display Stand.

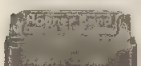
Per Assortment

No. 601—36 Harmonicas

Individual Open Stock of the Above Assortment

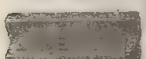
14 Double Holes, 28 Reeds on Brass Plates. Nickel Plated Cover. 4¾ Inches Long. Per Dozen

No. 153 One in a box



10 Single Holes, 20 Reeds on Brass Plates. Nickel Plated, 4 Inches Long. Per Dozen

No. 132 One in a box



24 Double Holes, 48 Reeds, Brass Plates. Nickel Plated Cover, 4½ Inches Long. Per Dozen

No. 453 One in a Wood Case.

22 Double Holes, 44 Reeds, Brass Plates. Nickel Plated Covers. Fancy Mahogany Frame. Length 7 Inches.

Per Dozen

No. 46½—One in a Handsome Wood Case

10 Single Holes, 20 Reeds, Brass Plates, Nickel Plated Covers. 4 Inches in Length. Per Dozen

No. 343—One in a Hinged Box.....

11 Double Holes, 22 Reeds, Brass Plates, Nickel Plated Covers. 5¾ Inches Long. Per Dozen

No. 284—One in a Hinged Box

32 Double Holes, 64 Reeds Brass Plates, Nickel Plated Covers. 7¾ Inches Long. Per Dozen

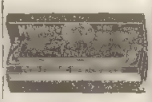
No. 146 One in a Handsome Case

28 Double Holes, 40 Reeds, Brass Plates, Nickel Plated Covers. 7¾ Inches Long. Per Dozen

No. 152—One in a Case

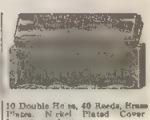
10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4½ Inches. Per Dozen

No. 1886½ One in a Wood Box



10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4 Inches. Per Dozen

No. 505—One in a Hinged Box...

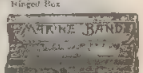


10 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Cover Length 4¾ Inches. Per Dozen

No. 3CND—One in a Hinged Box

16 Double Holes, 32 Reeds, Brass Plates. Nickel Plated Cover. Length 5 Inches. Per Dozen

No. 605 One in a Hinged Box



10 Single Holes, 20 Reeds, Brass Plates Nickel Plated Covers Length 4 Inches. Per Dozen

No. 1896 One in a Hinged Box

Hohner Harmonicas.

NEW No. 1926 "EXPOSITION BAND"

This Instrument was Produced Expressly for Sale During the Sesqui Centennial with Dealer Should Have a Supply of the "Exposition Band" to meet the natural demand. The Instrument is of the Tremolo Hohner Twenty Reed Variety Brass Plates, Finely Nickel Plated Covers. It comes with Appropriate Engraving Packed in Attractive Hinged Container in Colored Gauze Paper with Embossed Gold Lettering, Attractive Picture of Independence Hall with Liberty Bell and Flags in Colors.

Per Dozen

No. **1926** "Exposition Band" in Hinged Container

HOHNER HARMONICA ASSORTMENT

Every Dealer Should Have This "Hohner Boy"

The "Hohner Boy" is a Profitable efficient and low Price Harmonica Silent Salesman. Putting the "Hohner Boy" in your Employ is the Safest Investment that You Ever Made.

The Hohner Boy Assortment consists of one Permanent Display Card Measuring 31 Inches in Height and 15 inches in width, Beautifully Lithographed in eight different Colors with patented easel.

Mounted on the Display Board are 1 Dozen Assorted Genuine Hohner Harmonicas to retail at 50 cents Each.

Per Assortment

No. **425** .....

"SONG BIRD" ASSORTMENT HARMONICAS

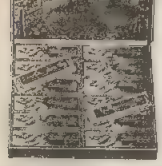
10 Single Holes 20 Reeds Nickel Plated Covers Pressed Plates Open Face Mahogany Finish Frame. Assortment Contains One Half Dozen "Song Bird" Harmonicas, in Ringed Boxes, Each Bearing Pictures in Natural Colors of Various Song Birds

No. **024** Per Doz.

Half Dozen in an Assortment

One assortment to display car ds

NEW AMERICAN ACE ASSORTMENT



Comprises 12 Genuine Hohner Tuned American Ace Harmonicas Contained in Nickel Plated Telescope Box with Hinged Cover Protected with Cellophane Paper. The Harmonicas Are Hohner 20 Reed Tremolated Tuned Type Finely Nickel-Plated Covered Plates Open Back

Per Dozen

No. **016**

1 Dozen in Box

HARMONICAS

Assortment to Retail at 25c Each

An Assortment of Genuine Hohner Harmonicas in a Novel and Practical Counter Display, Lithographed in Four Colors.

Contains One Dozen Harmonicas, One Half Dozen Each of Nos. 01 "The Sport" and No. 02 "American Ace," Each Having 10 Single Holes, 20 Reeds, Brassed Plates and Nickel Plated Covers.

No. **019** Assortment

Retail Value $3.00

Costs Merchant

One Assortment with Display in a Box.

A New Assortment That Will Stop Investment With Value But Substantial Harmonicas to Sell. Place One in your Counter When the Boys Who Enter Your Store Will be Sure to See It.

Double Tier Folding Display in Four Attractive Colors. Contains One Dozen Hohner Harmonicas in Three of the Most Popular Styles, All Keys, to Retail at 50c Each.

Per Assortment

No. **410** One Dozen Harmonicas and Display .....

The Goliath

Concert Hohner Harmonica. This is a Very Beautiful Large Size Tremolo Harmonica Measuring 7¼ Inches in Length, 20 Double Holes, 40 Reeds, Brass Plates, Heavy Covers, Covers Nickel Plated with Open Back. An Ideal Harmonica for Concert Playing as it has an Exceptionally High Range. Each Instrument is Packed in a Heavy Wooden Case Covered in Imitation Alligator Skin.

Per Dozen

No. **453** .....

One in a Box.

Marine Band Tremolo

Genuine Double Sided Hohner Harmonica in Two Different Keys Measuring 7¼ Inches in Length, 32 Double Holes, 64 Reeds, Brass Plates, Fancy Nickel Plated Covers, Mahogany Frame, Extension Ends with Handsome Gold Decorations. Per Doz.

No. **146**

One in a Heavy Beautiful Case Handsomely Decorated with Gold Lettering.

"Cuckoo"

A Miniature Harmonica that Makes an Ideal Watch Charm and Pendant Novelty. 4 Single Holes, 8 Reeds, Brassed Plates, Nickel Plated Covers. Length 1¾ Inches

Per Dozen

No. **023** .....

One in a box, one dozen in a carton

HOHNER HARMONICAS "Harmonette"

Harmonica with 10 Double Holes, 28 Accurately Tuned Tremolo Reeds, Genuine Brass Plates, Finely Nickel Plated Covers. To the Harmonica is Attached a Harp Shaped Resonator or Sound Box.

Per Dozen

No. **3101**—Length 4¼ Inches ...

One in a Telescope Container with Silver Lettering

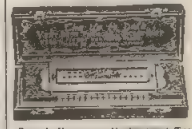
A Fine, Sturdy Looking Instrument Measuring 4 Inches in Length 10 Single Holes, 20 Accurately Tuned Reeds Mounted on Brass Plates. Finely Nickel Plated Covers Covers.

Per Dozen

No. **132** ...

One in a Telescope Box with Gold Lettering

Up-to-Date

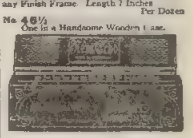


Tremolo Harmonica Double Sided, Two Different Keys, 32 Double Holes, 64 Reeds, Brass Plates, Nickel Plated Covers Mahogany Finish Frame. Length 7 Inches

Per Dozen

No. **46½**

One in a Handsome Wooden Case.



14 Double Holes 28 Reeds Mounted on Brass Plates and of Octa Tremolo Tuning, Nickel Plated Covers and Artistic Designing Turned-in Ends Measures 4¾ Inches in Length.

Per Dozen

No. **153**

One in a Telescope Box with Silver Ornaments

HOHNER Sportsman

A Genuine Hohner Harmonica 16 Double Holes, 32 Reeds Tremolo Tune Brass Plates Heavy Nickel Plated Covers, Extension Ends. A Very Attractive Instrument Measuring 5¾ ins. in Length Accompanied by a Handsome Hinged Box with Cover Printed in Artistic Design of Many Colors.

Per Dozen

No. **254** .....

One in a Box.

Hohner Harmonicas

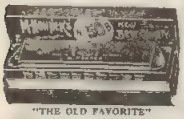
"THE OLD STANDBY"

Genuine Hohner. Length, 4 Ins. 10 Single Holes, 20 Reeds, Brass Plates, Nickel-plated Cover.

Per Dozen

No. 3001 . . . . . .

One in a neat hinged box. Six in a package.



"THE OLD FAVORITE"

Genuine Hohner. Length, 4 Ins., 10 Double Holes, 20 Reeds, Brass Plates, Nickel-plated Covers.

Constructed Similar to the Concert Instrument Preferred by Many Players.

Per Dozen

No. 305 . . . .

One in a neat hinged box. Six in a package.

"MARINE BAND"

Genuine Hohner. Has a National Reputation. Length, 4 Ins., 10 Single Holes, 20 Reeds, Brass Plates, Heavy Canvas Nickel-plated Covers with Open Back. Per Dozen

No. 1894 . . . . . .

One in a neat hinged box. Six in a package.

"ECHO"

Genuine, Hohner. A Very Fine Tremolo Instrument. Length, 5 Ins., 15 Double Holes, 32 Reeds, Brass Plates Finely Nickel-plated Cover with Turned-in Ends. Per Dozen

No. 405 . . . . . .

One in attractive hinged box. Six in a pkg.

CHROMATIC

A Harmonica Providing for Sharps and Flats in Music not Found in the Regular Styles. Can Play Any Tune.

Heavy Nickel Plated Cover, Brass Plates, 40 Perfect Tuned Reeds and Fitted with a Patented Wind Saving Device. Operation of a Slide Permits Player to Sound Half Notes Instantly.

Per Dozen

No. 280 . . . . . .

One in an Imitation Leather Covered Wood Box.

MELODY KING

An Attractive and Satisfactory Harmonica for the Price Which Will Make It a Safe Seller. Double Sided Tremolo Instrument in 2 Keys, 64 Perfectly Tuned Reeds, Brass Plates, Nickel Plated Covers, Turned-in Ends, Engraved Beader Hinged Box

Per Dozen

No. 083 . . . . . .

Half dozen in a carton

"BUDDIES" HARMONICA

Equals Best Pre-War Value. Double Sided, Two Different Keys, 20 Brass Lt. Reeds on Each Side. Heavy Nickel Plated Covers, Turned in Ends. Length 3½ Inches.

Per Dozen

No. 170 . . . . . .

1 in Telescope Container

HARMONICA ASSORTMENT

The Hohner Collapsible Display Cabinet—a Handsome and Practical Case Consisting of Three Mahogany Finished Trays. Display is so Constructed that it may be Folded Together, Taking up Only One Square Foot of Space. Entire Contents of 38 Harmonicas are Displayed at One Time

Assortment Contains 38 Hohner Harmonicas in 9 Styles, All Keys, as Follows:

22 Harmonicas to retail at 5
8 " " " " " . . .
16 " " " " " . . .

No. 400 Assortment

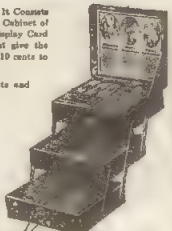
Costs Merchant Per Assortment

Retail Value

This is a Fine Assortment for Any Dealer It Consists of a Beautiful Oak Finish Collapsible Wooden Cabinet of 3 Trays. Trays may be Folded Together. Display Card on Top. The Harmonicas in this Assortment give the Dealer 75 Standard Sellers to Retail at from 10 cents to 60 cents each.

Included in the Assortment are Pohl, Hats and Hohner Brands. Contains the Following:

2 Hohner Harmonicas to retail at . . 5
2 " " " " " . . .
2 " " " " " . . .
6 " " " " " . . .
12 Hats " " " " . .
15 Pohl " " " " . . .
15 " " " " " . . .
24 " " " " " . . .

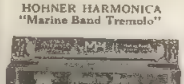


No. 700 Assortment

Costs Merchant Per Assortment

Retail Value

HOHNER HARMONICA "Marine Band Tremolo"

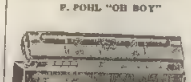


7½ Inches in Length. 20 Double Holes, 40 Reeds, Brass Plates, Fancy Nickel Plated Covers. Mahogany Frame. Extension Ends with Handsome Gold Decorations.

Per Dozen

No. 152 . . . . . .

P. POHL "OH BOY"



A Harmonica of Fine Appearance That May Be Used for Practical Purposes. Length, 5 Ins. Nickel-plated Covers. 15 Double Holes. 32 Reeds. Per Dozen

No. 160 . . . . . .

Hohner's HARMONICAS "Auto-Valve-Harp"

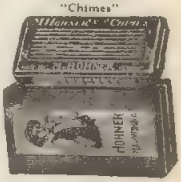
10 Double Holes, 40 Reeds Brass Plates. Nickel Plated Covers. Full Concert Style. Easy Blowing. Fitted with Improved Wind Saving Device.

Per Dozen

No. 105 . . . . . .

One in a Hinged Box.

"Chimes"



Medium Size, Double Sided Tremolo. 40 Reeds Brass Plates. Nickel Plated Covers, Rounded Ends.

Per Dozen

No. 58 . . . . . .

One in a Colored, Hinged Box

Full Concert Harp

A Most Popular Number 4½ Inches Long 10 Double Holes, 40 Reeds, Brass Plates Nickel Plated Cover with Turned in Ends

Per Dozen

No. 2CND . . . . . .

One in a Hinged Box

"Up-to-Date"

Measures 4½ Inches in Length. Concert Size. 10 Double Holes. 20 Reeds. Brass Plates, Nickel Plated Covers Cover.

Per Dozen

No. 1308½ . . . . . .

One in a Wooden Case

DAVID'S HARP

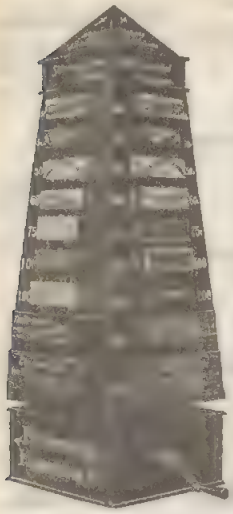
A Decidedly Practical Novelty Instrument . . . 20 Reeds Brass Plates . . . A Harp Shaped Wooden Rack . . . and Lettering in Colors . . . a Metal Rack Finely Nickel Plated . . . Overall Length, 4 ins.

Per Dozen

No. 050 . . . . . .

Half dozen in a carton

Every Retail Store Should Have This Harmonica Assortment



This is just the assortment You need

Here is a Big, Beautiful Revolving Display Stand that will sell Harmonicas for You
Solidly Constructed of Wood, Finished in Dark Mahogany, It will Lend Dignity to Any Store.
In the Base Compartment is a Well Constructed Motor that Revolves the Obelisk for 3½ Hours with one Winding.

The display or obelisk stands 32 inches in height and measures 10¾ inches square at the base. It is neatly decorated with attractive silver pressings and stenciled with the number and retail price of the Harmonicas which it carries. By means of steel clamps and supports, 36 genuine Hohner Harmonicas in the keys of A, B♭, C, D, E, F, and G to retail at from 50 cents to $2.00 each, are fastened to the obelisk. These instruments are in a variety of twelve different styles, each one of them being an excellent seller.

You secure the complete stand and 36 of the world-famous Hohner Harmonicas as follows:

16 Asst. Harmonicas retail	$0.50	$8.00
4 Asst. Harmonicas retail	.60	2.40
8 Asst. Harmonicas retail	.75	6.00
2 Asst. Harmonicas retail	1.00	2.00
4 Asst. Harmonicas retail	1.50	6.00
2 Asst. Harmonicas retail	2.00	4.00
Total Retail Value		$28.40

No. 600 Assortment

Retail Value	Costs Merchant	Your Margin
$28.40	Complete	$6.90 and Display Stand (Value $15.00)

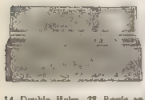
Refill Assortment

Contains a Complete Refill Stock—Everything that is in the No. 600 Assortment except the Display Stand.

Per Assortment

No. 601—36 Harmonicas

Individual Open Stock of the Above Assortment

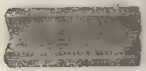


14 Double Holes, 28 Reeds on Brass Plates. Nickel Plated Cover. 4¾ Inches Long. Per Dozen

No. 153—One in a box

10 Single Holes, 20 Reeds on Brass Plates. Nickel Plated, 4 Inches Long. Per Dozen

No. 132—One in a box



24 Double Holes, 48 Reeds, Brass Plates. Nickel Plated Cover, 7½ Inches Long. Per Dozen

No. 453—One in a Wood Case.....

22 Double Holes, 44 Reeds, Brass Plates, Nickel Plated Covers. Fancy Mahogany Frames. Length 7 Inches. Per Dozen

No. 46½—One in a Handsome Wood Case

10 Single Holes, 20 Reeds, Brass Plates, Nickel Plated Covers. 4 Inches in Length. Per Dozen

No. 34B—One in a Hinged Box

11 Double Holes, 22 Reeds, Brass Plates, Nickel Plated Covers. 5½ Inches Long. Per Dozen

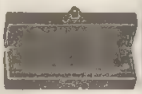
No. 264—One in a Hinged Box

22 Double Holes, 44 Reeds Brass Plates. Nickel Plated Covers. 7¾ Inches Long. Per Dozen

No. 146—One in a Handsome Case

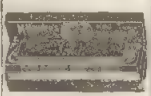
20 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Covers. 7¾ Inches Long. Per Dozen

No. 152—One in a Case



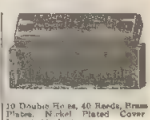
10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4½ Inches. Per Dozen

No. 189½—One in a Wood Box.....



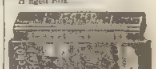
10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4 Inches. Per Dozen

No. 508—One in a Hinged Box...



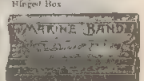
10 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Cover Length 4¾ Inches Per Dozen

No. 3CNH—One in a Hinged Box



16 Double Holes, 32 Reeds, Brass Plates. Nickel Plated Cover. Length 5 Inches. Per Dozen

No. 605—One in a Hinged Box



10 Single Holes, 20 Reeds, Brass Plates Nickel Plated Covers. Length 4 Inches. Per Dozen

No. 1896—One in a Hinged Box

Hohner Harmonicas

"THE OLD STANDBY"

Genuine Hohner. Length, 4 Ins. 10 Single Holes, 20 Reeds, Brass Plates, Nickel-plated Cover

Per Dozen

No. 345 . . . . . .

One in a neat hinged box. Six in a package.

"THE OLD FAVORITE"

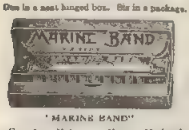
Genuine Hohner. Length, 4 Ins., 10 Double Holes, 20 Reeds, Brass Plates, Nickel-plated Covers

Construction Similar to the Concert Instrument Preferred by Many Players.

Per Dozen

No. 502 . . .

One in a neat hinged box. Six in a package.



"MARINE BAND"

Genuine Hohner. Has a National Reputation. Length, 4 Ins., 10 Single Holes, 20 Reeds, Brass Plates, Heavy Canvas Stakes-plated Covers with Open Back Per Dozen

No 1594

One in a neat hinged box. Six in a package.

"ECHO"

Genuine Hohner. A Very Fine Tremolo Instrument. Length, 5 Ins., 10 Double Holes, 32 Reeds, Brass Plates Finely Nickel-plated Cover with Turned-in Ends. Per Dozen

No. 495

One in attractive hinged box. Six in a pkg.

CHROMATIC

A Harmonica Providing for Sharps and Flats in Music not Found in the Regular Styles. Can Play Any Tune.

Heavy Nickel Plates, Cover, Brass Plates, 40 Perfect Tuned Reeds and Plated with a Patented Wind Saving Device. Operation of a Slide Permits Player to Sound Half Notes Instantly.

Per Dozen

No. 280.....

One in an Imitation Leather Covered Wood Box.

MELODY KING

An Attractive and Satisfactory Hot Bunch for the Price Which Will Make It a Real Seller. Double Sided Tremolo Instrument, 3 Keys, 64 Perfectly Tuned Reeds, Brass Plates, Nickel Plated Covers, Turned-in Ends, Engraved Border Hinged Box

Per Dozen

No. 083 .

Half dozen in a carton

"BUDDIES" HARMONICA

Equals Best Pre-War Value. Double Sided, Two Different Keys, 24 Holes, 12 Reeds on Each Side. Heavy Nickel Plated Covers, Turned in Ends. Length, 3¾ Inches.

Per Dozen

No. 170.....

1 in Telescope Container

HARMONICA ASSORTMENT

The Hohner Collapsible Display Cabinet—a Handsome and Practical Case Consisting of Three Mahogany Finished Trays. Display is so Constructed that it may be Folded Together, Taking up Only One Square Foot of Space. Entire Contents of 38 Harmonicas are Displayed at One Time

Assortment Contains 38 Hohner Harmonicas in 9 Styles, All Keys, as Follows:

22 Harmonicas to retail at	..	$
8	" " " "	...
16	" " " "	...

No. 400 Assortment

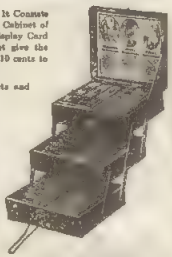
Costs Merchant Per Assortment

Retail Value

This is a Fine Assortment for Any Dealer. It Consists of a Beautiful Oak Finish Collapsible Wooden Cabinet of 3 Trays. Trays may be Folded Together. Display Card on Top. The Harmonicas in this Assortment give the Dealer 75 Standard Sellers to Retail at from 10 cents to 60 cents each.

Included in the Assortment are Pohl, Hets and Hohner Brands. Contains the Following:

2 Hohner Harmonicas to retail at.					$
2	"	"	"	"	.
2	"	"	"	"	.
6	"	"	"	"	. ..
12 Hets		"	"	"	.
18 Pohl		"	"	"	.....
18	"	"	"	"	..
24	"	"	"	"	..

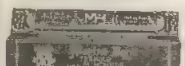


No. 700 Assortment

Costs Merchant Per Assortment

Retail Value

HOHNER HARMONICA "Marine Band Tremolo"

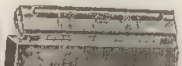


7¾ Inches in Length. 20 Double Holes, 40 Reeds, Brass Plates, Fancy Nickel Plated Covers, Mahogany Frame, Extension Ends with Handsome Gold Decorations.

Per Dozen

No. 152.....

F. POHL "OH BOY"



4 Harmonicas of Fine Appearance That May Be Used for Practical Purposes. Length, 8 Ins. Nickel-plated Covers. 18 Double Holes. 32 Reeds. Per Dozen

No. 160 . . . . . .

Hohner's HARMONICAS "Auto-Valve-Harp"

10 Double Holes, 40 Reeds. Brass Plates. Nickel Plated Covers. Full Concert Style. Easy Blowing, Fitted with Improved Wind Saving Device.

Per Dozen

No. 105

One in a Hinged Box

"Chimes"

Medium Size, Double Sided Tremolo. 48 Reeds. Brass Plates. Nickel Plated Covers, Rounded Ends.

Per Dozen

No. 58 .....

One in a Colored, Hinged Box.

Full Concert Harp

A Most Popular Number. 4¾ Inches Long. 10 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Cover with Turned in Ends

Per Dozen

No. CND .....

One in a Hinged Box

"Up-to-Date"

Measures 4¾ Inches in Length. Concert Size. 10 Double Holes. 20 Reeds. Brass Plates. Nickel Plated Canvas Cover.

Per Dozen

No. 1308½

One in a Wooden Case

DAVID'S HARP

A Decided Favorite. Nickel Plated Covers. Brass Plates. A Harp Shaped Wooden Resonator Finished in Mahogany Walnut and Natural Blue with Illustrations and Lettering in Colors. Reinforced with a Metal Rack, Finely Nickel Plated. Overall Length, 4 ins.

Per Dozen

No. 059. . . . . .

Half dozen in a carton.

Hohner Harmonicas.

NEW No. 1926 "EXPOSITION BAND"

This Instrument was Produced Expressly for Sale During the Sesqui-Centennial. Every Dealer Should Have a Supply of the "Exposition Band" to meet the assured Demand. The Instrument is of the Ten Single Hole, Twenty Reed Variety. Brass Plates, Finely Nickel-Plated Covers with Appropriate Engraving. Packed in Individual Hinged Container, in Colored Glazed Paper with Embossed Gold Letter ing. Attractive Pictures of Independence Hall with Liberty Bell and Flags in Colors.

Per Dozen

No. **1926** "Exposition Band" in Hinged Container .....

HOHNER HARMONICA ASSORTMENT

Every Dealer Should Have This "Hohner Boy"

The "Hohner Boy" is a Profitable efficient and low Price Harmonica Silent Salesman. Putting the "Hohner Boy" in your Employ is the Safest Investment that You Ever Made.

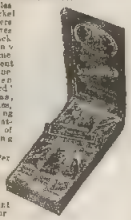
The Hohner Boy Assortment consists of one Permanent Display Card Measuring 31 Inches in Height and 15 inches in width, Beautifully Lithographed in eight different Colors with patented easel.

Mounted on the Display Board are 1 Dozen Assorted Genuine Hohner Harmonicas to retail at 50 cents Each.

Per Assortment

No. **425** .....

"SONG BIRD" ASSORTMENT HARMONICAS



10 Single Holes, 20 Reeds Nickel Plated Covers Brassed Plates Open End Mahogany Finish Frame. Assortment Contains One Half Dozen Song Bird Harmonicas, as Pictured Below, Each Having Pictures in Natural Colors of Various Song Birds.

No. **024** Per Doz.

Half Dozen in an Assortment

One assortment on display car ...

NEW AMERICAN ACE ASSORTMENT

Comprises 12 Perfectly Tuned American Ace Heavy Harmonicas Contained in Handsome Telescope Boxes, of Different Designs, Decorated in Silver Lettering, with Holes 20 Reeds, Guaranteed of Fine Grade Finely Nickel-Plated Covers Brass Plates, Open Back.

Per Dozen

No. **016** .....

1 Dozen in a Box.

HARMONICAS

The Goliath

Assortment to Retail at 25c Each

An Assortment of Genuine Hohner Harmonicas in a Novel and Practical Counter Display, Lithographed in Four Colors.

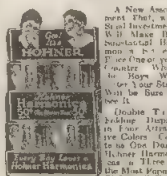
Contains One Dozen Harmonicas, One Half Dozen Each of Nos. 01 "The Sport" and No. 02 "American Ace," Each Having 10 Single Holes, 20 Reeds, Brassed Plates and Nickel Plated Covers.

No. **019** Assortment

Costs Merchant ...

Retail Value $3.00

One Assortment with Display in a Box.



A New Assortment That, with Small Investment Will Make Big Sensational Harmonica Sales. Price One of your Counter. When in Boys Who Buy Your Store Will be Sure to See It.

Double Tier Packing Display in Four Attractive Colors. Contains One Dozen Hohner Harmonicas, Three of the Most Popular Styles, All Keys, to Retail at 50c Each.

Per Assortment

No. **410**—One Dozen Harmonicas and Display .....

Genuine Hohner Harmonicas. This is a Very Beautiful Large Size Tremolo Harmonica Measuring 7¼ Inches in Length, 20 Double Holes, 48 Reeds, Brass Plates, Heavy Covers Covers Nickel Plated with Open Back. An Ideal Harmonica for Concert Playing as it Has an Exceptionally High Range. Each Instrument is Packed in a Heavy Wooden Case Covered in Imitation Alligator Skin.

Per Dozen

No. **453** .....

One in a Box.

Marine Band Tremolo

Genuine Double Sided Hohner Harmonica in Two Different Keys Measuring 7¼ Inches in Length 32 Double Holes, 64 Reeds, Brass Plates, Fancy Nickel Plated Covers Mahogany Finish, Extension Ends with Handsome Gold Decorations. Per Doz.

No. **146**

One in a Heavy Beautiful Case Handsomely Decorated with Gold Lettering.

"Cuckoo"

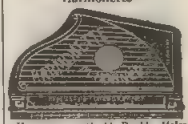
A Miniature Harmonica that Makes an Ideal Watch Charm and Pendant Novelty. 4 Single Holes, 8 Reeds, Brassed Plates, Nickel Plated Covers. Length 1¾ Inches.

Per Dozen

No. **023** .....

One in a box, one dozen in a carton.

HOHNER HARMONICAS "Harmonette"



Harmonica with 14 Double Holes, 28 Accurately Tuned Tremolo Reeds, Genuine Brass Plates, Finely Nickel Plated Covers. To the Harmonica is Attached a Harp Shaped Resonator or Sound Box.

Per Dozen

No. **3101**—Length 4⅝ Inches
One in a Telescope Container with Silver Lettering.

A Fine, Sturdy Looking Instrument Measuring 4 Inches in Length, 10 Single Holes, 20 Accurately Tuned Reeds Mounted on Brass Plates. Finely Nickel Plated Covers Covers.

Per Dozen

No. **132** .....

One in a Telescope Box with Gold Lettering

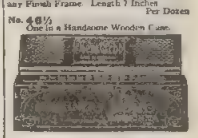
Up-to-Date

Tremolo Harmonica. Double Sided, Two Different Keys 37 Double Holes, 64 Reeds, Brass Plates, Nickel Plated Covers. Mahogany Finish Frame. Length 7 Inches.

Per Dozen

No. **46½** .....

One in a Handsome Wooden Case.



14 Double Holes, 28 Reeds Mounted on Brass Plates, and of Octa Tremolo Tuning. Nickel Plated Covers and Artistic Designing Turned-in Ends. Measures 4¾ Inches in Length.

Per Dozen

153

One in a Telescope Box with Silver Ornaments

HOHNER Sportsman

A Genuine Hohner Harmonica 16 Double Holes, 32 Reeds, Tremolo Tune, Brass Plates, Heavy Nickel Plated Covers, Extension Ends. A Very Attractive Instrument Measuring 5¾ Ins. in Length Accompanied by a Handsome Hinged Box with Cover Printed in Artistic Design of Many Colors.

Per Dozen

No. **254** .....

One in a Box.

HUSTLER TOYS

All Have Riveted-Joints. Colors of Vegetable Dye—Harmless

No. C704—Larry Hustler—A bold jockey using every muscle of his body when pulled along the floor on his prancing pony. Made of wood and finished in attractive colors. Height 8¾ in., length 9 in., width 4½ in., w't per doz., 15 lbs.,
per dozen *$12.00*

ONE IN A CARTON; ONE DOZEN IN A SHIPPING CONTAINER

No. C703—Doo Hustler—A new and unusual Hustler toy. "Doc" turns his head whichever way the front wheels turn when drawn along the floor. The speedster is all wood with rubber tired wheels. Finished In attractive colors. Height 6¾ in., length 14½ in., width 5 in., w't per doz. 24 lbs.....per dozen *$18.00*

ONE IN A CARTON; ONE DOZEN IN A SHIPPING CONTAINER.

No. C707—Hustler Betty Roll Duck—Made of wood. Turns her head from side to side when drawn along the floor. Height 5¾ in., length 6¾ in., width 4½ in., w't per doz. 11 lbs.....per dozen *$7.80*

ONE IN A CARTON; ONE DOZEN IN A SHIPPING CONTAINER.

No. C2705—Bobby Beach Duck—Made of wood. Will swim in shallow ponds, or pull along the floor. Finished in attractive colors. W't per doz. 9½ lbs.....per dozen *$6.00*

ONE IN A CARTON; ONE DOZEN IN A SHIPPING CONTAINER.

No. C706—Hustler Beads (Large size cans)—Put up in a beautiful lithographed container, containing ⅝ in. round and 1 in. oval beads in seven colors. 140 beads to a container. A pointless needle and a length of thread included in each. W't per doz 12 lbs.,
per dozen *$12.00*

ONE DOZEN CONTAINERS IN SHIPPING CARTON

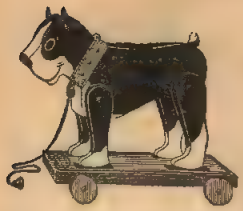
No. C708—Hustler Beads (Small size cans)—Put up in a beautiful lithographed container, containing 70 assorted round and oval beads. A pointless needle and a length of thread included in each container. W't per doz. 6 lbs.,
per dozen *$6.00*

ONE DOZEN CONTAINERS IN SHIPPING CARTON

Hibbard Hardware for Hard-Wear

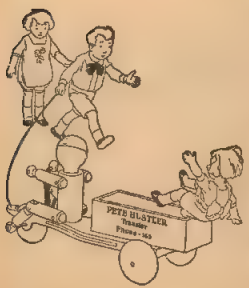
HUSTLER TOYS

Hustler Toys Have Riveted Joints. Colors of Vegetable Dye—Harmless



No. C700—Hustler Pup—Pull him along the floor and his legs move back and forth with surprising sprightliness. Press the bulb on the end of the string and he barks sharply. He has more than his share of the looks, action and noise needed to make a toy sell big. W't 1¼ lbs. .....per dozen *$12.00*

ONE IN AN ATTRACTIVE CARTON



No. C701 — Pete Hustler—Legs move with a pedaling motion when pulled along the floor. A three wheel chassis, of steel construction, with wood body. Finished in attractive colors. Height 5¼ in., length 11 in., width 3¼ in., w't per doz. 10¼ lbs.....per dozen *$12.00*

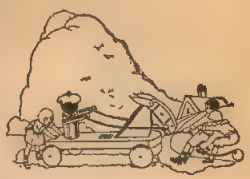
ONE IN A CARTON; ONE DOZEN CARTONS IN SHIPPING CONTAINER

No. C702 — Joe Hustler — Body moves backward and forward with hand car motion when drawn along the floor. A four wheel, all steel truck. Finished in attractive colors. Height 5¼ in., length 11 in., width 3¼ in., w't per doz. 11 lbs., per dozen *$12.00*

ONE IN A CARTON; ONE DOZEN CARTONS IN SHIPPING CONTAINER

No. C709—Hustler Crew—A new addition to the Hustler family of toys. The four boys pull together as toy is pulled along the floor. Made of wood, attractively colored. Height 8⅜ in., length 14 in., width 3 in., w't per doz. 15 lbs., per dozen *$12.00*

ONE IN A CARTON. ONE DOZEN IN A SHIPPING CONTAINER



No. C710—Sambo Hustler—A new member of the Hustler family. His frantic efforts to make his mule hurry by constantly jerking the reins will afford amusement to all. Made of wood, attractively colored. Height 5¾ in., length 12 in., width 4¼ in., w't per doz. 17 lbs., per dozen *$12.00*

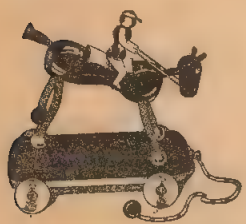
ONE IN A CARTON. ONE DOZEN IN A SHIPPING CONTAINER

No. C711—Hustler Horse Shoe Players—The latest Hustler game. It is a game of skill and as interesting as an outdoor horse shoe game. Attractively colored. Consists of two players, four shoes, one stake. Height 6¾ in., length 7⅞ in., width 5¾ in., w't per doz. 21 lbs., per dozen *$12.00*

ONE IN A CARTON. ONE DOZEN IN A SHIPPING CONTAINER

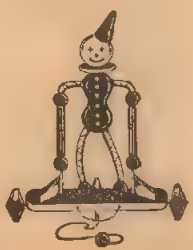
TED TOYS

No. C1000—Teddy Soldier—This bright little wooden soldier steps off like a "Regular" on parade—his funny kicking leg action surely is a source of great amusement to the little tots. Height 10 in., length 6¾ in., w't per doz. 9¾ lbs.,
per dozen *$12.00*

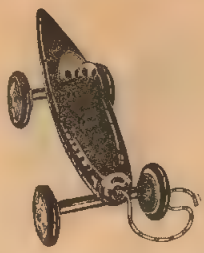


No. C1010—Teddy Galloping Jocky—This comical little race horse springs along with a funny galloping motion just like a thoroughbred fighting for the lead on a track. This action toy is a great favorite with the kiddies. Length 7 in., height 7¾ in., w't per doz. 9 lbs.....per dozen *$12.00*

No. C1020—Teddy Blue Walking Sailor—A funny little fellow just back from a long cruise. He ambles along with a regular sea roll in his legs, and so full of action that he is almost human. A picturesque unique idea in a toy that is the delight of every child as well as the grown-ups. Height 10 in., length 6¾ in., w't per doz. 10¾ lbs.,
per dozen *$12.00*



No. C1030—Teddy Tumbling Acrobat—A regular performing acrobatic clown. He turns real somersaults as he is pulled across the floor, to the great amusement and joy of the little youngsters. Height 10¾ in., width 6¾ in., w't per doz. 12⅝ lbs.....per dozen *$15.00*



No. C1080—Teddy Roaring Racer—As the youngster pulls this snappy racing auto across the floor, it makes a purring sound like the running of an engine in a real racing car. Its realistic noise will thrill every child that sees and hears this auto. Finished in three attractive color combinations. Length 10 in., width 4¾ in., w't per doz. 12¾ lbs.,
per dozen *$12.00*

No. C1110—Teddy Choo-Choo Locomotive — An engine that makes a real "Choo-choo" noise, to the delight of the youngster, as he pulls it across the floor. A very realistic toy that surely will fascinate the children. Length 16 in., width 6¾ in., w't per doz. 14¾ lbs.,
per dozen *$12.00*

Hibbard HARDWARE FOR HARD-WEAR

Hibbard HARDWARE FOR HARD-WEAR

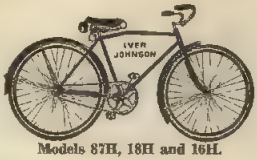
ALL ABOVE PACKED IN INDIVIDUAL DISPLAY CARTONS, ONE IN A BOX

BICYCLES.

IVER JOHNSON.

The Iver Johnson bicycle is built to give extra long, unfaltering service, under any and all conditions, with no trouble or annoyance of broken parts due to poor materials or faulty construction. It is built to give lasting riding satisfaction

Model 87M.



Models 87H, 18H and 16H.

MOBICYCLE. MODEL 87M.

Latest design; finds great favor with youngsters who do not object to little additional weight to get a bicycle built along motorcycle lines, with features similar to the power driven machine Has the Iver Johnson qualities of sterling worth and easy riding.

Frame—Mobicycle; oxidized silver name plate; height, 18 or 20 inches at seat post; color, blue with white head, full nickel crown; wheels, 28 inches with steel rims, striped; tires, Fisk cord 1½ inches; coaster brake, Morrow; gear, 73 (26 and 10); chain, roller, 3/16 inch, 1 inch pitch; cranks, 7 inches; pedals, rubber; handle bar, No. 82 with forward extension, long bulldog grips; saddle, Motobike Two, No 43; fork, detachable truss, full nickel; stand, rolled steel, motorcycle type.

No. 87M-18. Wt. each, crated, 72 lbs. ..... Each **$60 00**

No. 87M-20 ..... Each **$60 00**

Note—In ordering No. 87M be sure to specify whether 18 or 20 inch size is wanted.

DROP BAR ROADSTER. MODEL 87H.

The upper tube is dropped 2 inches at the saddle post, thus making this full size bicycle available for the rider who otherwise would be unable to reach the pedals of a regular straight frame. Just the model for persons of short stature, as well as those desiring a rakish looking bicycle. Frame, drop bar; oxidized silver name plate; height, 18 inches at seat post; color, blue with white head, full nickel crown; wheels, 28 inches with steel rims, striped; tires, Fisk cord, 1½ inches; coaster brake, Morrow; gear, 73 (26 and 10); chain, roller 3/16 inch, 1 inch pitch; cranks, 7 inches; pedals, rubber; handle bar, No. 62, 22 inches, with forward extension; saddle, Motobike Two, No. 43.

No. 87H. Wt. each, crated, 70 lbs. ..... Each **$50 00**

BOY SCOUT. MODEL 18H.

This is a man's bicycle in every way, but of somewhat reduced size to accommodate boys not quite large enough to reach the pedals of regular ones. In order to give it the appearance of the larger machines, the upper tube is dropped in a graceful curve at the saddle post two inches, without shortening the head. This construction secures a stronger and more snappy looking bicycle, and one which the growing boy can ride without an appearance of having outgrown it. By raising or lowering the saddle, it readily adapts itself to varying ages and sizes. All the equipment is high grade. Frame, drop bar; oxidized silver name plate; height, 16 inches at seat post; color, blue with white head, full nickel crown; wheels, 26 inches with steel rims, striped; tires, Fisk juvenile; coaster brake, Morrow; gear, 64 (22 and 9); chain, roller 3/16 inch, 1 inch pitch; cranks, 5½ inches; pedals, Juvenile rubber; handle bar, No. 62, 18 inches with direct stem; saddle, Scout No. 46.

No. 18H. Wt. each crated, 50 lbs. ..... Each **$45 00**

BOY SCOUT JUNIOR. MODEL 16H.

A distinctive Juvenile model, constructed in such a manner that the small child can readily reach the pedals, and yet be able to use the same size of frame as larger or older children. The top bar is dropped two inches at the saddle post, similar to the Boy Scout Model, and by raising or lowering the saddle it will readily adapt itself to varying ages, and not soon be outgrown. This model also has all the high quality points of superiority same as on larger models, and is just the bicycle for the small child, as it will withstand hard knocks and rough and tumble usage, and continue to give good service as long as ridden. It is the most economical to buy, as it will outwear several others of cheaper construction. Frame, drop bar; oxidized silver name plate; height, 14 inches at seat post; color, blue with white head, full nickel crown; wheels, 24 inches with steel rims, striped; tires, Fisk Juvenile; coaster brake, Morrow; gear, 59 (22 and 9); chain, roller 3/16 inch, 1 inch pitch; cranks, 5½ inches; pedals, Juvenile rubber; handle bar, No. 60, 16 inches, with direct stem; saddle, Kiddo Scout, No. 48.

No. 16H. Wt. each, crated, 50 lbs. ..... Each **$40 00**

BICYCLES.

IVER JOHNSON.

These bicycles have double loop frames with oxidized silver name plates; color is maroon with green head and full nickeled crown; Morrow coaster brakes; 3/16 inch roller chains, 1 inch pitch.

LADIES' ROADSTER. MODEL 87L.

Height, 20 inches; wheels, 28 inches with steel rims, striped, Fisk cord tires 1¼ inch; gear, 68 (22 and 9); cranks, 6½ inches; rubber pedals; No. 92 handle bar with direct stem; No. 50 Diana saddle.
Model 87L. Wt. each, crated, 72 lbs. ..... Each **$55 00**

CAMP FIRE GIRLS'. MODEL 18L.

The same high quality and finish as the regular adults ladies' models only built on smaller lines to accommodate juvenile riders; the saddle post tubing is shortened while still retaining the long head making a smarter looking bicycle, and at the same time allows the growing girl to ride it several seasons without the appearance of having outgrown it. Height, 16 inches; wheels, 26 inches, with steel rims, striped; Fisk juvenile tires; gear, 64 (22 and 9); cranks, 5½ inches; juvenile rubber pedals; No. 62, 18-inch handle bar with direct stem; No. 49 Princess saddle.
Model 18L. Wt. each, crated, 50 lbs. ..... Each **$45 00**

CAMP FIRE GIRLS' JUNIOR. MODEL 16L.

Same as Model 18L only smaller, of the same high class quality and finish as the full sized ladies' models. The frame is constructed with the saddle post tubing two inches lower than ordinarily used, and still retaining the long head. This makes a more classy looking bicycle, and one which allows a wide range of saddle adjustments to varying ages. Thus a growing child is still able to use the same machine, by simply raising the saddle, without the appearance of having outgrown it.
Model 16L. Wt. each, crated, 50 lbs. ..... Each **$40 00**

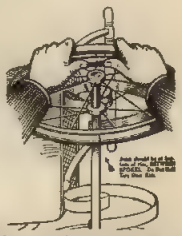
RUBBER TIRES.

CALCUTT'S.

For Go-Carts, Baby Buggies, Hand Cars, Autos, Etc.

Showing end of tire with coupling pin held firmly in left hand after twisting other end of tire towards you 4 complete revolutions.

Showing tire back to natural position after you push together and screw from you by turning to the right. Note—No kinks or twists, ready to apply



Showing coupled section of tire in channel of wheel between spokes, ready to snap on. Stretch over wheel as shown above. Must snap on very tightly.

Sectional view of tire showing coupling in position.

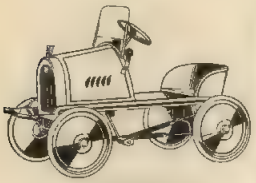
The above illustrations show how this tire is used. Complete instructions come with each box. The tire comes in a continuous length with sufficient couplings to make up 60 tires to the 100 feet.

Calcutt Tires. Sizes, diam., in	3/8	1/2	5/8
Length in box, ft.	50	50	50
Wt. box, lbs.	7	10	16
Box	$8 50	11 00	15 00

Correct method of cutting tire.

Calcutt Nippers. Are made expressly for cutting this tire. They are 14 inches long, giving unusual leverage, and the jaws open wide enough to cut ¾ inch tire. Wt. each, 4 lbs. ..... Each **$4 50**

AUTOMOBILES.

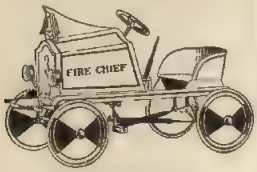


No. 115 Hudson.

Size of chassis, 12x30 inches; length overall, 37 inches; finish, body, hood and seat, red, striped and decorated in yellow and blue; equipment—bumper, steel pedals, cast steering wheel without gas lever, name plate, radiator cap, windshield. Disc wheels, 10x1½ inches, rubber tired.

No. 115. Ship. wt., 32 lbs. Each **$13 50**

One in a carton, knocked down.

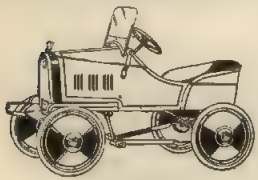


No. 160—Fire Chief.

Size of chassis, 12x31 inches; length overall, 38 inches; finish—body, hood and seat, red, striped and decorated in blue and yellow; equipment—rear spring gear with bumper; block rubber pedals; metal seat; cast steering wheel with gas lever; license tag in front; Model L head lamps; small gear shift; bell as shown. Disc wheels, 10x1½ ins., rubber tired

No. 160. Ship. wt., 37 lbs...Each **$15 50**

One in a carton, knocked down.

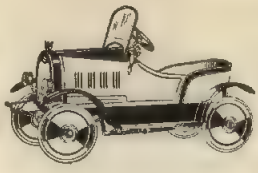


No. 171—Dodge.

Size of chassis, 12x30 inches. Length overall, 36 inches; finish—body, hood and seat, Delphi green, striped and decorated in red and lake green; equipment—rear spring gear with bumper, steel pedals, name plate, cast steering wheel with gas lever, small cast radiator cap, license tag in front, windshield. Disc wheels, 10x1½ inches, rubber tired.

No. 171. Ship. wt., 40 lbs...Each **$16 00**

One in a carton, knocked down.

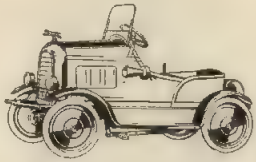


No. 174—Pontiac.

Size of chassis, 12x34 inches; length overall, 40 inches; finish—body, hood and seat, pigskin tan, striped and decorated in red and blue; fenders red; equipment—rear spring gear with bumper; two-piece adjustable rubber pedals; name plate; cast steering wheel with gas lever; Pontiac radiator cap; license tag in front; Model L lamps; small horn; windshield; fenders with running boards; nickel band on hood. Disc wheels, 10x1 inches, rubber tired.

No. 174. Ship. wt., 70 lbs...Each **$26 00**

One in a carton, knocked down.

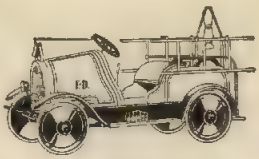


No. 138—Overland Whippet.

Size of chassis, 12x40 inches; length overall, 44½ inches; finish—body, hood and seat, Whippet blue, striped and decorated in brown, black and red; fenders, red; equipment—full spring gear with bumper; two-piece adjustable rubber pedals; name plate; cast steering wheel with gas lever; Whippet radiator cap; Whippet style pressed steel shell radiator fully nickel plated; head lamps; license tags front and rear; tank; large horn; instrument board; windshield; fenders with running boards; hand brake operating on both rear wheels. Disc wheels, 10x1 inches, rubber tired.

No. 138. Ship. wt., 80 lbs...Each **$32 50**

One in a carton, set up.



No. 164—Hose Cart.

Size of chassis, 13x49 inches; length overall, 59 inches; finish—body, hood and seat, red, striped and decorated in black and yellow; fenders, black; equipment — bumper; two-piece adjustable rubber pedals; ball bearing rear axle brackets; cast steering wheel with control box and two levers; bell as shown; instrument board; license tag in front; lamps; oil can; large gear shift; imitation motor exhaust; hose reel; two ladders; tubing side rails; step on rear; one lantern; fenders with running boards and scuff plates; Pines winter front. Disc wheels, 12x1 inches, rubber tired.

No. 164. Ship. wt., 104 lbs..Each **$41 00**

One in a crate, knocked down.

No. 166—Federal-Knight All-Steel Dump Truck.

Size of chassis, 12x42 inches; length overall, 52½ inches; finish—body, hood and seat, red, striped and decorated in yellow and black; fenders black; equipment—rear spring gear with bumper; two-piece adjustable pedals; cast steering wheel with gas lever; Knight radiator cap; front fenders with running boards; instrument board; large horn; dump bed, size 13x17x5 inches, operated by handle beside the driver's seat; seat pad; steel bar radiator guard. Disc wheels, 10x1 inches, rubber tired.

No. 166. Ship. wt., 90 lbs...Each **$27 00**

One in a crate, knocked down.

RADIATOR CAPS

DE-LUXE
FOR FORD CARS

Heavy cast metal; nickel plated, highly polished. Sleeve of cap entirely covers the filler neck no drilling is necessary to install a motometer or ornament. Designed to fit all original Ford radiators. Adjustable feature which always places the ball arm of cap parallel to front of radiator, this eliminates the necessity of filing the cap or filler neck in order to obtain the correct position. Height 1½ inches; length 6½ inches.

	Each
No. A-92—Wt, each 1 lb.	2 40 *$1 25*

One in cardboard box.

DE-LUXE-LOCK CAP
FOR FORD CARS

Heavy cast metal, nickel plated and polished. Sleeve of cap entirely covers radiator neck. No drilling necessary to install motometer or ornament. Adjustable feature always places ball arm of cap parallel to front of radiator and will not vibrate out of alignment. Equipped with neatly designed latch. Easily opened for filling radiator. Height 2½ inches; length 7 inches.

	Each
No. A-91—Wt, each 1 lb	4 05 *$2 00*

One in cardboard box.

WING

Heavy cast brass, heavily nickel plated; hexagon shaped cap. Removable bolt in top permits mounting of Moto-Meter. Length from tip to tip 9½ inches.

	Each
No. A-75—Fits Ford and Star cars.	$2 70
No. A-76—Fits Chevrolet, Star and 1924 Oldsmobile	2 70

One in cardboard box; wt each 1 lb.

SUPERB

Brass, nickel plated, highly polished. No. A-9A fits Ford and Gray cars. No. A-10A fits Chevrolet, Star, Essex and Oldsmobile cars.

Nos.	A-9A	A-10A
1 to 11, Each	1 95	1 95
12 or more, Each	1 80	1 80
	$1 00	*1 00*

One in cardboard box; wt each ½ lb.

SNAPPY
FOR FORD AND GRAY CARS

Cap and trigger special non-corrosive alloy. Hinged cap snaps open giving access to radiator for filling without the necessity of turning cap. Extreme width 6½ inches.

Nickel Finish.

No.	A-FN
1 to 9, Each	3 00
10 or more, Each	2 70
	$1 50

One in cardboard box; wt each 1 lb.

RADIATOR CAPS
KEYSTONE, NEW STYLE

All brass, nickel plated and highly polished; steam and watertight. Hinged cover permits easy filling of radiator. Top opens by spring clamp. Cover drilled for moto-meter. When once attached it is impossible to remove; also serves as a positive motor-meter lock.

JUNIOR, No Insert required, length over all 6½ inches. No Initial or Emblem Plate.

PRICES DO NOT INCLUDE MOTO-METERS

	Each
No. A-352—For Ford and Gray Cars	6 75 *$3 50*
No. A-353—For Star and Chevrolet Cars	6 75 *3 50*

SENIOR, Length over all 8½ inches. No Initial or Emblem Plate.

Price below includes cap, insert to fit any car specified.
Note—When ordering, specify make, model and year of car. See chart for cars this number will fit.

No.	A-19
1 to 11, Each	8 55
12 or more, Each	8 10
	$4 50

One in cardboard box; wt each 1½ lbs.

KEYSTONE EAGLE, NEW STYLE

Brass, nickel plated, highly polished; steam and watertight. Hinged cover permits easy filling of radiator. Top opens by spring clamp. Cover drilled for moto-meter. Complete with one standard initial, emblem or certificate, the latter being exchangeable at factory for any plate desired. Length over all 10½ inches.

Note—When ordering specify make, model and year of car, also initial or emblem wanted.

PRICES DO NOT INCLUDE MOTO-METERS

	1 to 11, Each	12 or more Each	List, Each
No. A-20—For all cars except Fords, Gray, Star, Chevrolet and Essex, with insert and initial or emblem plate	11 25	10 80	*$6 00*
No. A-21—For Ford and Gray Cars, no insert with initial or emblem plate	7 65	7 20	*4 00*
No. A-22—For Star, Chevrolet and Essex, no insert with initial or emblem plate	7 65	7 20	*4 00*
One in cardboard box; wt each 2 lbs.			Each
Extra Initial or Emblem Plates (Specify what is wanted)			$0 90
Extra Insert (Specify make, model and year of car)			2 25

MOTO-METERS

BOYCE, Universal Model with Special Car Design Name Plate.

Black dial, polished nickeled frame; beveled crystals both front and rear. Complete with necessary washers and nut for attaching. Diameter 3 inches; height over all 5 inches.

	Each
No. A-10UD—For Dodge cars	15 75
	$7 50
No. A-11UB—For Buick cars	15 75
	7 50
No. A-12US—For Studebaker cars	15 75
	7 50
No. A-13UN—For Nash cars	15 75
	7 50

BOYCE, Universal Model without Special Name Plate.

Each

No. A-9UM—Wt each 12 ozs. 15 75 *$7 50*

One in cardboard box.

BOYCE, Standard Model.

A perfect heat indicating instrument of the highest type. Because of its perfection of workmanship, this model has been selected as regular equipment on many of the leading cars. Nickel plated. Has a retaining ring embossed in laurel wreath design and a gold dial with hand lettering denoting various operating conditions of motor.

Each

No. A-6NSM—Diam 3⅜ ins; height over all 5⅛ ins. 21 00 *$10 00*

One in cardboard box; wt each 1¼ lbs.

BOYCE, Distance Type.

Nickel plated case, beveled crystal; black dial with black figures; red and white pointer. Equipped with new type bulb which is inserted through a hole in the rubber hose connection and tightened down on a lock nut. Diameter 2⅛ inches.

MODEL H, For Dashboard Mounting.

Fitted with adjustable clamp which insures a tight fit regardless of the thickness of dashboard.

Especially designed for engineering work where accuracy tests of actual water temperature in degrees are required. Complete with 5 feet cord and instructions for mounting.

Each

No. A-H—Wt each 1¼ lbs. 21 00 *$10 00*

MODEL S, For Steering Column Mounting.

Provided with an attractively designed bracket which clamps around steering post of practically all makes of cars, holding it firmly in place and in full view of driver.

Especially designed for test work, where the thermo-syphon system of coaling is employed. Complete with 7 feet of tubing.

Each

No. A-S—Wt each 1¾ lbs. 26 25

One in cardboard box. $12 50

MOTO-METER LOCKS

SCHLAICH'S, UNIVERSAL MODELS

Approved by the Moto-Meter Co.

Consists of nozzle, channel bar and chain lock nut, all solid brass; the nozzle being connected to channel bar by steel galvanized chain, making the entire device impervious to rust.

Nos.	For standard and ⅝ inch Stem. A-2ML	Junior Ford and 7/16 inch Stem. A-3ML
Size, ins	⅝	7/16
1 to 10, Each	$4 05	4 05
Unit pkgs of 10, Each	3 60	3 60
Unit pkgs of 10 or more, Each	3 24	3 24

One in carton; ten cartons in unit pkg; wt each 1 lb.

RADIATOR CAPS

FOR FORD CARS

Hexagon shaped black metal top; threaded to fit filler tube accurately.

Per Doz

No. A-143S—Size 2½x 1¹¹/₁₆x1 ins. $5 70

One doz in cardboard box; wt per doz 3 lbs.

FOR FORD CARS

White metal; highly polished. Fits all model Ford cars.

Per Doz

No. A-41RC—Extreme width 5⅝ ins; wt per doz 5¼ lbs. $9 75

One in cardboard box.

WING TYPE FOR FORD CARS

Heavy cast metal, nickel plated, highly polished. Each

No. A-72—Width 5½ ins. $0 96

One in cardboard box; wt each ½ lb.

PEERLESS

FOR CHEVROLET CARS

Non-rusting alloy, nickel plated and polished. Diamond shaped top. Equipped with small ornament in top, when removed permits mounting of Moto-Meter.

Will fit the following cars: Chevrolet 1918-24; all model Stars; Oldsmobile 6 model 30, 1924 and Essex 6, 1924. Each

No. A-51—Length over all 6½ ins. 1 29 *$1 00*

One in cardboard box; wt each ½ lb.

FOR FORD AND GRAY CARS

Round; bronze, nickel plated and polished; furnished with copper asbestos washer. Equipped with small ornament in top, when removed permits mounting of Moto-Meter. Each

No. A-1—Length over all 6½ ins. $1 98

One in cardboard box; wt each ½ lb.

SPEEDOMETER PARTS

FOR A. C. SPEEDOMETERS, FOR FORD CARS

		Each
No. A-845885—Clamp (improved Ford)	✦2 25	*$0 95*
No. A-845474—Clamp cover	✦ 48	*20*
No. A-845146—Cap screw	✦ 12	*05*
		Per 100
No. A-108579—Lock washer	✦ 60	*$0 25*
		Each
No. A-845850—Road wheel gear (For Ford wire wheels)	✦ 99	*$0 40*
No. A-845846—Road wheel gear bolt, short (wire wheels)	✦ 12	*05*
		Per 100
No. A-845189—Shim washer	✦ 60	*$0 25*

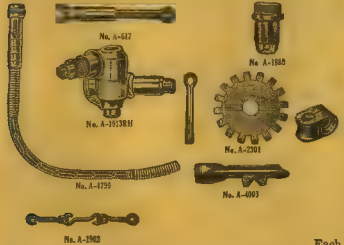
MOUNTING BRACKETS FOR FORD TRUCKS

Steel casting, black enameled. Designed for attaching A. C. speedometer to the new all metal Ford Truck Bodies.

	Each
No. A-5855—Wt each ½ lb	✦ $0 48

Packed loose.

FOR STEWART SPEEDOMETERS, FOR FORD CARS



	Each
No. A-1913RH—Right hand swivel joint	$5 55
No. A-1799—Flexible shaft, complete without leather covering; length 78 inches. Fits any Ford car	6 45
No. A-1880—Upper end clutch of chain	39
No. A-617—Sliding bar and lower end clutch of chain	60
No. A-2301—Pinion or small gear (fibre)	39
	Per Ft
No. A-1902—Flexible shaft chain (11 links to a foot)	$0 24

✦F. O. B. Kentucky Factory Only.

MOTO-METERS

BOYCE, New Midget Model.

Black dial, polished nickeled frame; beveles crystals both front and rear. Especially designed for use on small cars. Complete with necessary washers and nut for attaching.

	Each
No. A-11M—Diam 2¼ ins; height over all 4¾ ins	7 35
One in cardboard box, 10 in carton; wt each ¼ lb.	*$3 50*

BOYCE, New Midget Model, Bearing Special Name Plates.

Black dial, polished nickel frame; beveled crystals both front and rear. Especially designed for use on small cars. Complete with necessary washers and nut for attaching. Diameter 2¼ inches; height over all 4¼ inches.

	Each
No. A-50MC—Chevrolet	7 35 *$3 50*
No. A-51MS—Star	7 35 *3 50*
No. A-53MO—Overland	7 35 *3 50*
No. A-54MF—Ford	7 35 *3 50*

One in cardboard box, 10 in carton; wt each ¼ lb.

BOYCE, New Midget Model With Radiator Cap.

For Ford Cars.

Black dial; polished nickel plated frame and locking cap; beveled crystals both front and rear. Consists of a Midget Model Boyce Moto-Meter mounted on a locking radiator cap.

	Each
No. A-1F—Diam cap 2¼ ins; height over all 4¼ ins; width over all 4¾ ins	8 40
One in carton; wt each 10 ozs	*$4 00*

BOYCE, Junior Model.

Polished brass frame with black dial. The temperature range is from 32 degrees freezing to 212 degrees boiling, and the thermometer tube is protected against any possibility of breakage by two metal ribs. Complete with necessary washers and nut for attaching. Diameter 3 inches; height over all 4½ inches.

	Each
No. A-8JM—Without special car design name plate	10 50
	$5 00

One in slide top wood box; wt each ¼ lb.

BOYCE, Arlstocrat.

Black dial, polished nickeled frame; beveled crystals both front and rear.

Equipped with special Schlaich lock cap, and washer or gasket. When properly placed between fillerneck and cap while installing eliminates the escape of steam. Cross bar with crystals at either end under which, initials or fraternal insignias may be shown.

Height 4⅞ inches; length over all 7¾ inches.

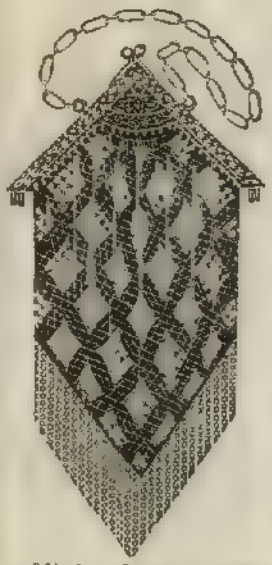
Note—Post card packed with each instrument on which are listed a variety of initials, fraternal insignias, club emblems. Any two of these dials will be supplied free of charge when mailed to the manufacturer.

	Each
No. A-13A—For Ford cars. Complete With Insert.	14 70 *$7 00*
No. A-14A—For Chevrolet cars	15 75 *7 50*
No. A-15A—For Star cars	15 75 *7 50*
No. A-20A—For Overland cars	15 75 *7 50*

One in cardboard box; wt each 2 lbs.

Silver Plated Fish Scale Enameled Mesh Bags

New Color Combinations

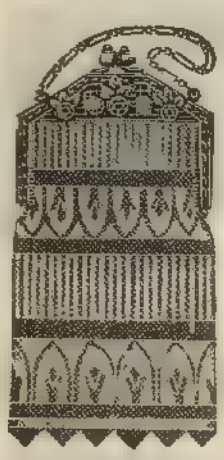


3½ in. frame, length 5½ in., combination of red and white enameled links, silver plated on solid nickel silver, gray finish frame, unlined
No. 85J301. Each.. 2.15

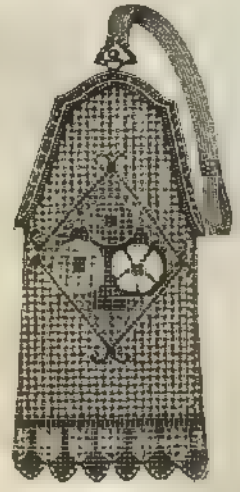
3 in. frame, length 5 in. combination light blue and gold mesh, gilt frame, unlined
No. 85J302. Each.. 2.15

3 in. frame, length 6½ in., combination pink, white and black enameled mesh. Gilt finish frame, unlined.
No. 85J304. Each.. 3.35

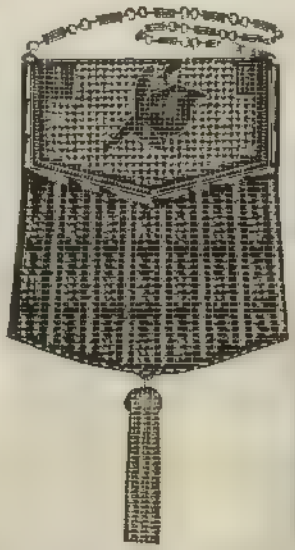
4¼ in. frame, length 6 in. combination pink and black on gray background; gold finished mesh and frame.
No. 85J305. Each.. 3.65



Mesh Bag, fine armor link chain, frame 3⅝ in. open work jeweled frame, set with 3 fine cut stones with the tapestry enameled in green and white, jeweled clasp. Gray satin lining.
No. 85J118. Each.. 4.25



3 in. frame, length 6 in. Roman gold mesh with 3 embossed raised colored flowers in center. Woven wire strap handle, fancy double fringe, enameled in colors.
No. 85J307. Each.. 5.00



4 in. frame, length 4½ in. combination of yellow, light blue, green and black mesh, silver plated on solid nickel silver, unlined. Enameled flower on top. Fancy fish scale tassel enameled in colors.
No. 85J308. Each.. 5.65

4¾ in. frame, length 6 inches. Combination of ivory and blue, both sides alike, gray silk lining, with double fancy enameled fringe. A rich and attractive number.
No. 85J309. Each.. 6.50

Silver Plated Fish Scale and Tapestry Mesh Bags

Will Not Unravel—New Color Combinations

4 in. frame, length 6½ in. French gray open work frame, set with three sapphire stones, blue and white combination mesh. Both sides enameled alike, with a double fancy fringe to match. Gray silk lining.

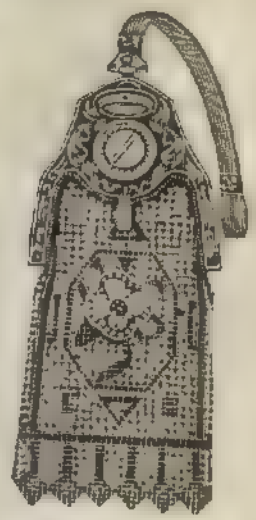
No. 85J119. Each.. 6.25

4¾ in. frame, length 6½ in. French gray open work frame, old rose silk lining, combination of ivory and rose design embossed in colors. Fancy double fringe. Both sides enameled alike. Sapphire stone catch.

No. 85J310. Each.. 7.25

3 in. frame, length 5 in. Silver plated silhouette vanity top, containing cigarette case, mirror, powder and rouge. Enameled mesh of blue, green and red combination with double fancy fringe to match.

No. 85J308. Each.. 7.75



3 in. frame, length 5½ in. Gold plated on solid nickel silver, contains vanity top for rouge and mirror. Roman gold mesh with embossed raised colored flower in center and green background. Fancy double fringe. Woven strap handle.

No. 85J311. Each.. 9.25

New Style Bag. 4 in. frame, length 7½ in. light blue, black, pink and green combination; rose gold finish frame and mesh. Reverse side plain unlined.

No. 85J318. Each.. 8.50

5½ in. frame, length 7¼ in. Roman gold finish on a tapestry design of gold and ivory colored mesh, gray silk lining, both sides alike. Woven strap handle.

No. 85J313. Each. 10.75

5 in. frame, length 6½ in. Containing powder vanity and mirror. Silver plated, enameled in black, green and lavender, fancy ring chain. Unlined.

No. 85J314. Each. 10.75

5¼ in. frame, length 7 in. Roman gold finish, stone set frame, open work design, gray silk lining. Enameled mesh in gold, rose and dark blue design. Double fancy fringe with woven strap handle.

No. 85J315. Each. 12.75

Mesh Bags

Staple Popular Designs That Are Always in Vogue

Mesh Bag, silver finish, fine armor link, **French gray frame,** cable link handle, 1½ in wide, 5½ in long
No. 85J67. Each.. **1.85**

Mesh Bag, fine armor link frame, open work design, cable link chain. Length 7½ inches, width 2½ inches.
No. 85J68. Each. **2.25**

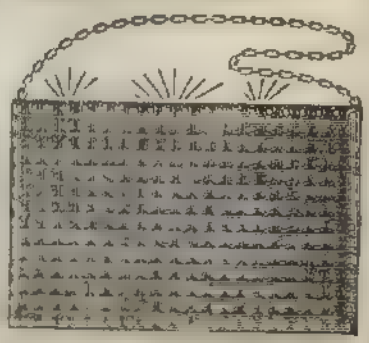
Mesh Bag, silver plated, fine armor mesh, frame open work design, cable link chain. Width 2½ inches, length 5½ inches.
No. 85J69. Each **2.85**

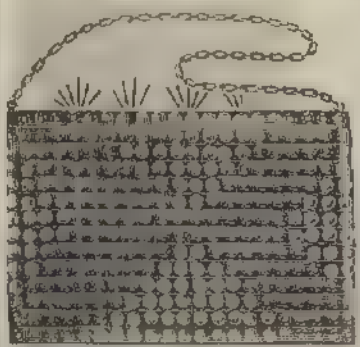
Piccadilly Wire Mesh Bag, fine silver plated, length 7½ inches, with a small vanity attached to the top, by folding down a lever showing a mirror and powder puff enclosed.
No. 85J101. Each.. **7.25**

New Stone Set Evening Bags and Purses

White Evening Bag, set with first quality white stone brilliants German silver frame. Width 3¾ inches, length 4 inches. Silk lined.
No. 85J335. Each.. **3.65**

White Evening Purse, silk lined, closely set with fine white stone brilliants, contains mirror and change purse, snap fastener. Width 4½ in., length 3 in.
No. 85J336. Each **4.25**





Ladies' White Evening Purse, closely set in fancy design of imitation half pearls and fine white stone brilliants. Silk lining; bag contains mirror and change purse, snap fastener and chain handle. Width 4½ inches, length 3 inches.
No. 85J337. Each..... **3.75**

Ladies' White Evening Bag, center design set with imitation half pearls, and rhinestones closely set around border. Both sides alike, silk lining; chain handle. Length 4⅛ inches, width 3¾ inches.
No. 85J338. Each..... **9.50**

No. 85J339, same as above with mirror, length 4½ in., width 4¼ in. Each.. **12.25**

RADIO SETS

—OLD KENTUCKY HOME—

SEVEN TUBE SUPER NEUTRODYNE

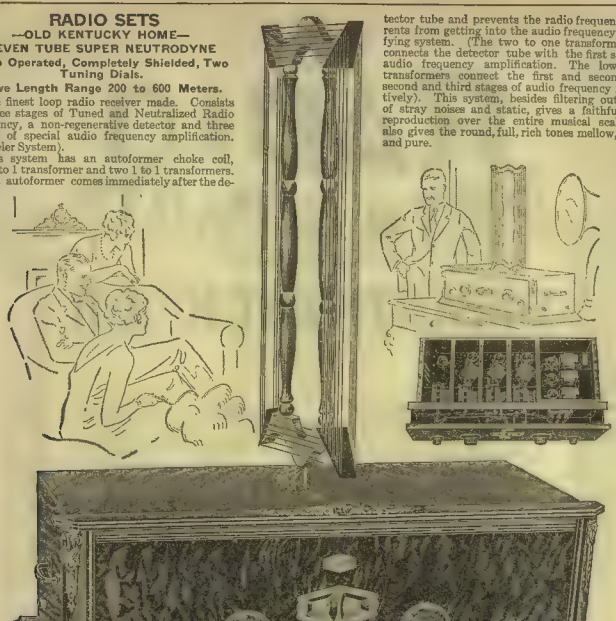
Loop Operated, Completely Shielded, Two Tuning Dials.

Wave Length Range 200 to 600 Meters.

The finest loop radio receiver made. Consists of three stages of Tuned and Neutralized Radio frequency, a non-regenerative detector and three stages of special audio frequency amplification. (Wheeler System).

This system has an autoformer choke coil, one 2 to 1 transformer and two 1 to 1 transformers.

The autoformer comes immediately after the detector tube and prevents the radio frequency currents from getting into the audio frequency amplifying system. (The two to one transformer also connects the detector tube with the first stage of audio frequency amplification. The low ratio transformers connect the first and second and second and third stages of audio frequency respectively). This system, besides filtering out a lot of stray noises and static, gives a faithful tone reproduction over the entire musical scale and also gives the round, full, rich tones mellow, sweet and pure.



Has the Hazeltine Neutrodyne circuit. Designed primarily to operate on a directional loop. The supreme radio receiver in range, volume, selectivity and tone for the following reasons:

1. The extreme sensitivity of the Neutrodyne circuit.
2. SHIELDING: The entire receiver is complete shielded on all sides by heavy brass. This prevents any of the radio frequency coils (Neutroformers) from picking up any signals whatever, and makes the loop the only part of the receiver to pick up any signals. (In this way stray and undesired signals, picked up by ordinary receivers are eliminated). In addition each stage of radio frequency and the detector stage is completely shielded by heavy brass from the rest of the set. Coupling between the magnetic fields of the various stages or radio frequency and the detector is therefore impossible. This internal and external shielding, therefore, clarifies the signals, increases the selectivity of the receiver and actually increases the distance over which satisfactory reception can be had.
3. The quality of the materials out of which the receiver is made.
4. The extreme care used in neutralizing, coupling and balancing each receiver. It is strictly a hand made job.
5. The three stages of tuned and neutralizing radio frequency.
6. The Wheeler system of audio frequency amplification.

(Continued)

RADIO SETS

—OLD KENTUCKY HOME—

SEVEN TUBE SUPER NEUTRODYNE

The incomparable distance to which this receiver will reach out **in all directions** and the tremendous volume of undistorted sound that it will deliver, are due to the six reasons mentioned above and to the directional effect of the loop. A loop or other antenna is always most sensitive in direction in which it is pointed. No matter what direction the station is located, the loop can be pointed directly at it and so both the loop and receiver placed in the most sensitive possible conditon.

The extraordinary selectivity of the receiver is due first to the loop and secondly to the design and thirdly, to the extreme care used in neutralizing, coupling, balancing and filtering each receiver.

The local broadcasting stations cover but a few points on the dial. By means of the loop either one of two stations exactly the same wave lengths can be brought in and the other one tuned out provided they are not in the same general direction or in opposite directions. Has no whistle like that of a Regenerative or Heterodyne Circuit.

This receiver having no harmonics will bring in any station at only one setting of the dials.

The left hand rheostat controls the filament current of the first stage of radio frequency amplification and should be used to regulate the volume of the receiver. The right hand rheostat controls the filament of the detector tubes only. Length 31 ins; depth 17 ins; height 15 ins.

Cabinet and panel of metal in grained walnut finish.
Dials of bakelite in the same finish. Trimmings of cabinet, panel and dials Roman Gold.

	Each	Retail Price, Each
No. SN-7—Receiver with loop and battery cable	856 80	$400 00
No. UX201-A—Tubes (6 only)	4 20	2 00
No. UX112—Tube (1 only)	13 65	6 50
No. B-13—"B" Batteries (3 only)	9 51	4 75
No. C-1—"C" Battery (2 only)	1 20	60
No. 725—"A" Battery	46 68	21 85
No. C—Cone Speaker Cathedral	68 10	30 00
No. 316—Plug	78	40
No. BC—Battery connector (3 only)	04	02
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-7-C Complete as described	1043 31	$486 46
No. T-SN-7-C—Complete as above described with No. 800 console table	1109 58	516 46
No. TC-SN-7-C—Complete with No. 800 console table and ETC Electron Trickle Charger	1141 62	530 71

Cabinet and Panel of Wood, Walnut Finish. Walnut Finish Dials with Roman Gold Trimmings.

	Each	Retail Price, Each
No. SN-7-W—Receiver with loop and battery cable	856 80	$400 00
No. UX201-A—Tubes (6)	4 20	2 00
No. UX112—Tube (1 only)	13 65	6 50
No. B-13—"B" Batteries (3 only)	9 51	4 75
No. C-1—"C" Battery (2 only)	1 20	60
No. 725—"A" Battery	46 68	21 85
No. C—Cone Speaker Cathedral	68 10	30 00
No. 316—Plug	78	40
No. BC—Battery connector (3 only)	04	02
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-7-W-C—Complete as described	1043 31	$486 46
No. TN-7-W-C—Complete as above described with No. 800 console table	1109 58	516 46
No. TC-SN-7-W-C Complete with No. 800 console table and ETC Electron Trickle Charger	1141 62	530 71

Carefully packed for shipment; approx wt 146 lbs.

Radio has been developed until it is now a wonderful source of entertainment and also gives command of the news of the world each day. Every home can now afford a radio set as the experiment stage is over. Sets have reached a high state of development.

RADIO SETS

—OLD KENTUCKY HOME—SIX TUBE SUPER NEUTRODYNE

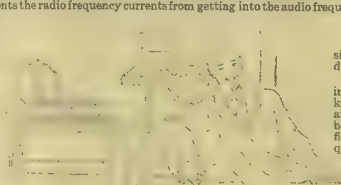
Outdoor Antenna Type. Wave Length Range 200 to 600 Meters.

The finest receiver made to operate on an outdoor antenna. Consists of two stages of tuned and Neutralized Radio Frequency, a non-regenerative detector, and three stages of special Audio Frequency amplification (Wheeler system).

This system has an autoformer choke coil, one 2 to 1 transformer and two 1 to 1 transformers. The autoformer comes immediately after the detector tube and prevents the radio frequency currents from getting into the audio frequency amplifying system.

The two to one transformer also connects the detector tube with the first stage of audio frequency amplification. The low ratio transformers connects the first and second and second and third stages of audio frequency respectively. This system besides filtering out a lot of stray noises and static, gives faithful tone reproduction over the entire musical scale and also gives the round, full, rich tones, mellow, sweet and pure. Has the Hazeltine Neutrodyne Circuit.

Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. The finest radio receiver made to operate on an outdoor antenna in range, volume, selectivity and tone for the following five reasons.



1. The extreme sensitivity of the Neutrodyne Circuit.
2. The size of the cabinet. The stages are kept sufficiently separated to prevent coupling between the magnetic fields of the radio frequency coils.
3. The quality of the materials out of which the receiver is made.

4. The extreme care used in neutralizing, coupling and balancing each receiver. It is strictly a hand made job
5. The Wheeler system of Audio Frequency amplification.

The incomparable distances to which this receiver will reach out and the tremendous volume of undistorted sound that it will deliver are due to the five reasons mentioned above.

The extraordinary selectivity of the receiver is due, first, to the design and secondly, to the extreme care used in neutralizing, coupling, balancing and filtering each receiver. The local broadcasting stations cover but a few points on the dial. This receiver has no whistle like that of a regenerative or Hetrodyne circuit.

Settings of the three dials are always the same for any given station. After station has been brought in, it is merely necessary to note the settings of the dials. If the dials are set at the same point again it is merely necessary to throw on the filament switch and turn the rheostat until the tubes are lighted to the proper intensity to bring in the station, if it is broadcasting.

The left hand rheostat controls the filament current of the first stage of radio frequency amplification and should be used to regulate the volume of the receiver. The right hand rheostat controls the filament of the detector tube only

Cabinet is beautiful walnut with border of inlaid work. Panel and dials are genuine Bakelite. Length 33 ins, depth 12 ins height 11 ins.

		Each	Retail Price, Each
No. SN-6	Receiver with Battery cable	489 60	$215 00
No. UX-201-A—	Tubes (5 only)	4 20	2 00
No. UX-200-A—	Tubes (1 only)	10 50	5 00
No. UX-112—	Tubes (1 only)	13 65	6 50
No. 720	"A" Battery	36 21	18 85
No. B-13—	"B" Batteries (3 only)	9 51	4 75
No. C-1—	"C" Batteries (2 only)	1 20	60
No. C—	Cone	68 55	30 00
No. 316	Plug	78	40
No. BC—	Connectors (3 only)	04	02
No. BCA	Antenna	12 00	5 00
No. RL—	Radio Log	45	20

		Per Set	Retail Price, Per Set
No. SN-6-C—	Complete as above described	672 39	$306 46
No. T-SN-6-C	Complete with No. 800 console table	736 71	336 46
No. TC-SN-6-C	Complete with No. 800 console table and ETC Electron Trickle Charger	768 75	350 71

Carefully packed for shipment; approx wt 7¼ lbs.

The PARKER GAMES

You will sell more Parker Games this year

See Pages Following

PARKER BROTHERS, Inc.
SALEM, MASS.
FLATIRON BUILDING, NEW YORK

GAMES

Our line is larger and finer than ever before.

Many new fast sellers.

Hundreds of popular favorites.

National Advertising will help you sell the entire PARKER line.

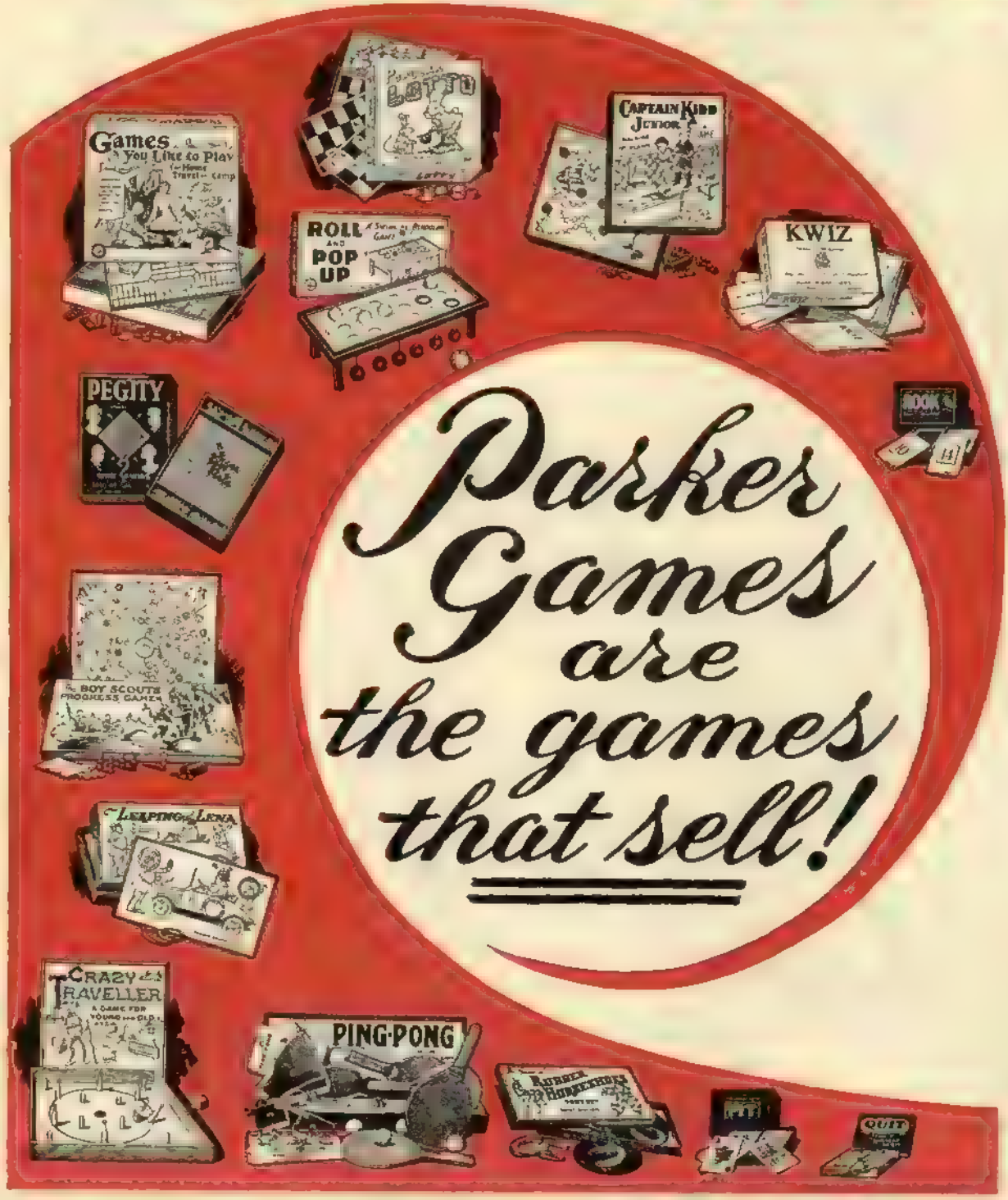
Larger stocks of Parker Games mean greater sales for you!

Ring-a-Sailor, Jingo, Buzzing Around, Flying Ball, Leaping Lena, Games-You-Like-To-Play, Hokum, Jacob's Ladder, Spilli-Wobble, Five Wise Birds, Pollyanna, Wonderful Game of Oz, Peg Baseball, Speedway Auto Race, Capt. Kidd, Jr., etc., etc.

PARKER BROTHERS, Inc.
SALEM, MASS.

Mention PLAYTHINGS when you write—it identifies you.

Famous PARKER



Parker Games are the games that sell!

Mention PLAYTHINGS when you write—it identifies you

PRIESS STRAIGHT "9" NINE

Radio Receiving Sets

A Nine Tube Loop Operated Receiver, Designed for Congested Districts and Places where Interference Causes Dissatisfaction with the Ordinary Set.

The New Priess Straight "9" is the Crowning Achievement of Many Years' Specializing in the Design of Loop Receivers. Made in Both Table and Console Models.

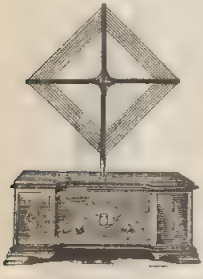


TABLE MODEL

The Set Contains Three Tuned Radio, Three Untuned Radio, Detector and Two Audio-in All, Nine Tubes. If Desired, Power Tube can be Used in the Last Audio Stage and the New 200-A Detector.

The Set has a Single Dial Control, Direct Reading Wave Length, Illuminated Dial and a Range from 203 to 555 Meters.

Straight-line, Wave Length Condenser with Exaggerated Spacing on Shortest Wave Lengths. Great Sensitivity and Distance on Loop Alone. Selectivity of Three-tuned Circuits Shock Mounted Last Radio Tube and Detector Tube Shell Shielded. Illuminated Dial. No-play Vernier Drive on Main Tuning. All Primary Parts of Set Designed and Built at Priess Plant.

Table Model Priess Straight "9" Nine Set in Handsome Figured Mahogany Cabinet of Simple and Graceful Design. Top Mounted Collapsible Bakelite Loop.

Intended Retail Price

No. PR9 ..... $195.00

CONSOLE MODEL

The Set Contains Three Tuned Radio, Three Untuned Radio, Detector and Two Audio-in All, Nine Tubes. If Desired, Power Tube can be Used in the Last Audio Stage and the New 200-A Detector. The Set has a Single Dial Control, Direct Reading Wave Length, Illuminated Dial and a Range from 203 to 555 Meters.

Straight-line, Wave Length Condenser with Exaggerated Spacing on Shortest Wave Lengths. Great Sensitivity and Distance on Loop Alone. Selectivity of Three-tuned Circuits. Shock Mounted Last Radio Tube and Detector Tube. Shell Shielded Illuminated Dial. No-play Vernier Drive on Main Tuning. All Primary Parts of Set Designed and Built at Priess Plant.

Console Model Priess Straight "9" Nine. A Two-tone, Figured Walnut Console Cabinet, Splendidly Proportioned; Loop Inclosed, Front Operated Switching Mechanism and Plug System for A. C. Equipment; Built-in Cone Speaker; Ample Space for Batteries; Full Enclosure of All Mechanism when Not Being Operated, Giving Very Charming Appearance to Cabinet. Complete Magnetic Shield Between A. C. Accessories Compartment and Set. No Inter-action Between Loop and Set.

Intended Retail Price

No. PR10—Without Accessories..... $335.00

PRIESS STRAIGHT-8-EIGHT RADIO RECEIVING SETS

TABLE MODEL

The Priess Straight Eight was built and designed primarily for great distance reception, and easy control as it has but one tuning knob.

A New Patented principle in Radio design is used that gives The Priess Straight Eight a greater energy amplification before the detector than any other set.

Here are the distinctive features:

Loop operated,
Eight tubes,
5 stages of radio frequency, before the detector.
Single tuning control with visible wave length indicator graduated in one meter divisions,
Tunes in a station only on one point—no harmonics,
No locally manufactured static from oscillating tubes,
Sensitivity control,
Volume control,
One control for filament and cutting in or out audio stages,
Natural quality—no regeneration,
Not critical as to tubes used.
A two tone inlaid, Mahogany Cabinet with battery compartments on each side. Equipped with patented collapsible all bakelite, low loss loop.

Intended Retail Price

No. PR4 Table Model—With Loop, but without Tubes, Batteries, or Speaker..... $175.00

CONSOLE MODEL →

Essentially the same as the Table Model in engineering design, embodying the same features, viz.:
Loop operated. Eight tubes,
5 stages of radio frequency, before the detector,
Single tuning control with visible wave length indicator graduated in one meter divisions,
Tunes in a station only on one point—no harmonics,
No locally manufactured static from oscillating tubes,
Sensitivity control,
Volume control,
One control for filament and cutting in or out audio stages,
Natural quality—no regeneration,
Not critical as to tubes used.
A handsome two-tone, inlaid, Walnut Console Cabinet with built-in loud speaker, enclosed loop rotated by a knob on the panel and ample size compartment for all batteries.

Intended Retail Price

No. PR5 Console Model—With Enclosed Loop and Loud Speaker, but without Tubes or Batteries... $285.00

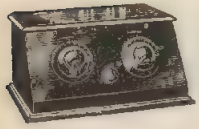
No. PR5

CHELSEA RADIO

CHELSEA RADIO Has Been Known for Many Years to the Radio Fan, in Fact, Long Before the Advent of Broadcasting. They Have Been Real Pioneers in the Industry and Have Devoted Their Entire Time and Means to the Production of a Thoroughly Good Line of Receiving Sets at a Low Price. All Instruments are Thoroughly Shielded According to Latest Engineering Practice and in Handsome Cabinets That Will Add a Touch of Beauty to Any Home.

"CHELSEA Material Always Was and Always Will be Guaranteed"

The New Chelsea Three Tube Receiver



An Outstanding Radio Value—a 3-Tube Set, with Beautiful Piano-Finish Mahogany Cabinet, Panel and Large Dials for Easy Tuning. Utilizes the Genuine Armstrong Circuit—the Basic Principle of all Radio Reception. Operates on All Standard Tubes and Battery Equipment. Provided with Heavy Cord Connection Leads. (No Unsightly Binding Posts). The Only 3-Tube Receiver with Dust-Proof, Fool-Proof Panel Inside Protecting the "Vitals." This New Chelsea Possesses Remarkable Selectivity Yet is Very Easy to Operate. For Distance and Volume, it Surpasses Many Sets Much Higher in Price.

Intended Retail Price Each

No. 140—(3-Tube Set). **$26.00**

The New and Improved Chelsea Super-Five

Great Beauty, Easy Operation and a Finer Quality of Reproduction than Ever Before—These Most Vital Factors are Yours in the New 1927 CHELSEA Super-Five. Retaining All Features Such as the Tuned Radio Frequency Circuit, Rugged Buswiring with Hand-Soldered Connections, Fool-Proof, Dust-Proof Inside Panel, Convenient Cord Leads for Making all Connections, etc. —the new Super-Five is Housed in a Beautiful Two-Tone Mahogany Finished Cabinet, an Ornament to the Finest Home, with Window Indicators and an Improved Switch with Silver Contacts. Chelsea Engineering has Concentrated on Making the Tuning so Extremely Easy that Anyone May Now Enjoy the Ever-Increasing Wonders of Radio. No Sacrifice to All Round Efficiency Has Been Allowed in a Single Detail. The Ultimate of Selectivity is Retained.

CHELSEA has Built into the New Super-Five a Working Mechanism that Re-Creates Programs Clearly and Sweetly with Full Tone.

Intended Retail Price Each

No. 125—(5-Tube Set)..... **$50.00**

The Chelsea Truphonic Six

The Chelsea Truphonic-Six Employs the Revolutionary Truphonic Circuit. Now Introduced to the Public for the First Time, the Truphonic Circuit utilizes an Entirely New System of Audio Amplification, Obtaining Maximum Power Without a Trace of Distortion.

CHELSEA TRUPHONIC SIX is Housed in a Beautiful Two-Tone Mahogany Finished Cabinet, with Window Indicators and an Improved Switch with Silver Contacts It Greatly Enhances the Appearance of Any Room. The Circuit is Fully Shielded and is Protected by a Dust-Proof, Fool-Proof Inside Panel. Only Rugged Bus Wiring is Used. Every Connection is Hand-Soldered. Convenient Cord Leads of Ample Length for Making Connections to Antenna Ground and Batteries are Furnished.

Far Greater Stability and Far Greater Breadth and Depth of Tone is Obtained Than with the Ordinary Receiver. You are Able to Secure the Utmost in Performance from the Loud Speaker, Such Performing Capabilities as the TRUPHONIC Offers Are Not Usually, if Ever, Found in a Receiver Selling Under $100.

Intended Retail Price Each

No. 128—(6-Tube Set). **$60.00**

MARATHON

LONG DISTANCE

RADIO TUBES

For All Radio Circuits, Whether Simple or Complex, These Tubes are Unexcelled. Made to the Closest Tolerances Known in the Industry and Unconditionally Guaranteed, They Assure Complete Satisfaction. For Securing Distance, Clarity and Tone Quality of Radio Reception Marathon Tubes Cannot be Equalled.

For Storage Battery Operation

Adapted for Use as Detector or for Radio or Audio Frequency Amplification Tube of One Quarter Ampere operating on a Six Volt Current Supply with Five Volts Filament Terminal Voltage, and Operates as a Detector Tube with Forty-Five Volts on the Plate, and for Audio Amplifying Purposes with Ninety to One Hundred Thirty-Five Volts upon the Plate.

No. MX 201A

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$4.00		

A Power Tube, of One Half Ampere Capacity Operating on Six Volts of Current Supply with Five Volts of Filament Terminal Voltage, and is for Use in the Last Stage Audio Amplifier Usually About One Hundred Thirty-Five Volts on Plate.

No. MX 112

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$4.50		

A Power Tube of One Half Ampere Capacity, Operating from Six Volts of Current Supply with a Filament Terminal Voltage of Five Volts Ninety Volts of B Battery is Recommended for General Use. Two Hundred Volts may be Used. Provided Additional C Battery is Inserted to Take Care of Grid Bias. With 90 Volts of B Battery Use 1½ Volts of C, with 135 Volts of B Use 1½ Volts of C with 180 Volts of B Use 2½ Volts of C

No. MX 171

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$4.50		

Strictly a Detector Tube. It is of One Quarter Ampere Capacity, Operates From an A Battery Current of Six Volts with a Five Volts Filament Terminal Voltage and is Recommended for Detector purposes with Forty-Five Volts of B Battery. This is a Dandy Tube and Slightly More Critical than the No 201A Type, But Gives Much Better and More Pleasing Signals on Both Local and Distance Stations

No. MX 200A

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$4.00		

For Dry Cell Operation

This is a Tube for Dry Cell Operation, Having a Current Consumption of Six One Hundredths Amperes, Operating on Four and One Half Volts A Battery Supply, with three Volts Filament Terminal Voltage Operates as a Detector with Forty Five Volts on Plate and as Amplifier with Ninety Volts on Plate. The Different Bases Make this Tube Adaptable to Most Makes of Sockets.

No. MV 199 (Small Base)

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$2.25		

This is a Tube for Dry Cell Operation, Having a Current Consumption of Six One Hundredths Amperes, Operating on Four and One Half Volts A Battery Supply with Three Volts Filament Terminal Voltage Operates as a Detector with Forty-Five Volts on Plate and as Amplifier with Ninety Volts on Plate. The Different Bases Make this Tube Adaptable to Most Makes of Sockets

No. MV 199 (Large Base)

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more

This is a Tube for Dry Cell Operation, Having a Current Consumption of Six One Hundredths Amperes, Operating on Four and One Half Volts A Battery Supply with three volts Filament Terminal Voltage Operates as a Detector with Forty-Five Volts on Plate and as Amplifier with Ninety Volts on Plate. The Different Bases Make this Tube Adaptable to Most Makes of Sockets.

No. MX 199 (Small Base)

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$2.25		

FREE!

TUBE TESTER

With an Initial Order for Only 50 Marathon Tubes You Can Have Your Choice of Either the Sterling Tube Tester or the Electric Lighted Window Display Lamp. Either of These Premiums are Sent you Absolutely Free of Charge Provuing You Order 50 Tubes at Once and Promise to Purchase Not Less than a Total of 150 Tubes Within a Year.

FREE!

DISPLAY LAMP

With an Initial Order for Only 50 Marathon Tubes You Can Have your Choice of Either the Sterling Tube tester or the Electric Lighted Window or Counter Display Lamp. Either of These Premiums is Sent you. Absolutely Free ofcharge Providing you order 50 Tubes at Once and Promise to purchase not Less than a Total of 150 tubes Within a Year

A Power Tube of the Dry Battery Type. It is Suitable for Use only in the Last Stage of Audio Frequency Amplification, and has Approximately the Same Characteristics as the 199 Type of Tube, but is Designed to Provide Increased Loud Speaker Volume and Improved Quality of Reception, from Those Receiving Sets Which Use Dry Cell Batteries for Operating the Filament.

No. MX 120

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$2.50		

This is a Tube for Dry Cell Operation, Having a Current Consumption of Six One Hundredths Amperes, Operating on Four and One Half Volts. A Battery Supply with Three Volts Filament Terminal Voltage. Operates as a Detector with Forty-Five volts on Plate and as Amplifier with Ninety Volts on Plate. The Different Bases Make this Tube Adaptable to Most Makes of

No. MX 198 (Large Base)

Intended Retail Price Each	Dealer's Prices Lots of 1 to 24	Lots of 25 or more
$2.25		

Send Us Your Mail Orders

PYREX WARE

SQUARE CASSEROLES

U. S. Trade No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
053	7¾ x 3⅝	12	$1.75	

(Packed one in Carton)

COVERED BAKING DISH

Two-Piece Oval

	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
No. 112	10¼ x 5⅛ x 3¼	12	$2.00	

Packed one in Carton

TEA POTS

The Newest and Smartest Thing in Tea Pots. Made in Three Shapes in all Useful Sizes. Boiling Water Will not Break Pyrex Pyrex Transparent Tea Pots show Exact Strength of Tea at All Times

Round Shape

Nos.	Size Cups	List Each	Net Each
1 QUART	4	$2.00	
1½ QUART	6	3.00	
2 QUART	8	3.50	

One in a Carton.
Weight Each About 2 Lbs

Squat Shape

Nos.	Size Cups	List Each	Net Each
1½ QUART	4	$2.50	
2 QUART	6	3.00	
3 QUART	8	3.50	

One in a Carton.
Weight Each About 3 Lbs

TRAYS OR TILES

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
706	6x6	24	$0.60	

AU GRATIN—FRENCH PATTERN

No	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
331	9x5½x1¾	24	$1.00	

Packed one in Carton

PERCOLATOR TOPS—PYREX STYLE

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
903	Diameter 3¼	1 Ft	$0.10	

(Packed twelve in Carton)

Fits "Universal" and "Royal Rochester" Style Percolators

BEAN POTS ROUND

No	U. S. Trade Size	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
504	1 qt	5¼x4¾	12	1.75	
508	2 qt	7¼x6¾	12	2.50	

(Packed one in Carton)

A NEW MEASURING CUP IN PYREX

Made of Pyrex Non-Breaking Glass. Handled. Markings are Stitched on Inside of Cup that Hold Liquid, Giving Accurate Measurement. Marking for 1, 2, 3, 4, 5, 6, 7 and 8 Ounces and ¼, ⅓, ½, ⅔, and 1 Cup.

	Retail Each	Net Each
No. 8—Capacity 1 Cup (Packed one in an individual carton) One Dozen in a Case	3.50	

CUSTARD CUPS—ROUND FRENCH PATTERN

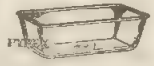
No	U. S. Size	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
464	4 oz	3¼x2¼	100	$0.20	
471	6 oz	3½x2¾	68	.25	

Packed one in Carton

INDIVIDUAL PIE DISHES ROUND DEEP

No	U. S. Trade Size	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
462	6 oz	4½x1¼	108	$0.25	

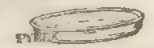
(Packed six in Carton)



BREAD PAN OBLONG

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
212	9¼x5⅛x2⅝	24	$0.90	
213	4 x 3 x 1⅝	48	.25	
214	10¾x5½x2¾	12	1.50	

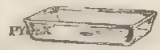
No. 213 size, others one in a Carton.



CAKE DISH—ROUND—Shallow

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
221	9¼ x 1¾	18	$0.75	

(Packed one in Carton)



UTILITY DISHES—OBLONG

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
231	10¼x5⅛x2	18	$1.00	
232	12¾x6⅜x2⅜	12	1.35	

Packed one in Carton

"PYREXETTE," THE NEW PYREX TOY SET

A Set of Six Perfect Miniature Pyrex Dishes. Educational and Instructive. Teaches Children how to Bake. Ideal for Gifts to Children.

Set Contains:
1 Casserole
1 Pie Plate.
1 Bread Pan.
1 Pudding Dish.
2 Baking Dishes Per Set

No. 520 . . . . . .

One Set in a Colored Display Carton. One Dozen Sets in a Case.
Weight Per Set, 6 Lbs.

BISCUIT PANS OBLONG

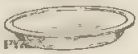
No	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
230	11¼x8¾x1¼	12	$1.25	

(Packed one in Carton)

CAKE DISHES—SQUARE

No.	Outside Measurements (Inch-es)	Pieces in Case	List Each	Net Each
209	9¼x1¼	18	$1.10	

(Packed one in Carton)



PIE PLATES—Round, Wide Rim

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
205	4¼x1¼	48	$.35	
206	5¼x1¼	24	.70	
209	9¼x1¼	24	.90	
210	10¼x1¼	18	1.20	
211	11¼x1¼	18	1.40	

No. 205 six, others one in a Carton.

PIE PLATE—HEXAGONAL

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
209	9¼x1¼	24	$1.00	

(Packed one in Carton)

PLATTERS—OVAL

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
316	15¾x11¾x2¼	12	$2.00	

(Packed one in Carton)

BAKING DISH—ROUND DOUBLE COMPARTMENT

No.	Outside Measurements (Inches)	Pieces in Case	List Each	Net Each
130	9¼x1¼	12	$1.50	

(Packed one in Carton)

PYREX WARE

NURSING BOTTLES

"Mothers Know PYREX"

72 of a style to a shipping case

Heat and cold-proof. Boiling water will not break them. Can be taken direct from the ice box and re-warmed without breaking. Practical in shape, approved by physicians, nurses, hospitals and mothers.

Narrow Neck
No. 58N

Wide Mouth
No. 48W

Standard Nipples Fit PYREX BOTTLES

Capacity	Pieces in Case	Net per Dozen	Retail Each
8 Oz.	72		$ .25

CUSTARD CUP

Bulk Packing

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Net Price Each	Retail Price Each
410	8 oz.	3⅛x1½	144		$ .10

(Not sold in less than case lots)

PYREX TILES

(See also No. 706 Teapot Tile)

No. 723

No. 743

No. 733

No. 753

No.	DIMENSIONS	PIECES IN CASE	NET EACH	RETAIL EACH
723	9½x¼	12		$1.00
733	10½x9½x¼	12		1.00
743	12x9½x¼	12		1.00
753	8½x¼	12		1.00

PUDDING DISHES—OVAL

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Net Price Each	Retail Price Each
032	1 qt.	8 2⅝x4¾x2¼	12		$ .85
033	1½ qt.	9¼x6½x2	12		1.00
034	2 qt.	10¾x7⅝x2¼	12		1.20

These Puddings are bottom parts of corresponding Casseroles shown at left

CASSEROLES—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
021	½ qt.	6½x3	12	$ .90	
022	1 qt.	6¾x3¾	12	1.00	
023	1½ qt.	7¾x3	12	1.75	
024	2 qt.	9¼x3½	12	2.00	

One in a carton

CASSEROLES—OVAL—SHALLOW

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
042	1 qt.	9¼x6⅝x2⅛	12	$1.50	
043	1½ qt.	10¾x7⅝x2¼	12	1.75	
044	2 qt.	11⅞x8⅜x2½	6	2.00	

One in a carton.

CASSEROLES—OVAL

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
032	1 qt.	8x5⅝x2¼	12	$1.50	
033	1½ qt.	9¼x6½x2	12	1.75	
034	2 qt.	10¾x7⅝x2¼	12	2.00	

One in a carton

PUDDING DISHES—ROUND

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
021	½ qt.	6x2¾	12	$ .80	
022	1 qt.	6¾x3¾	12	.85	
023	1½ qt.	7¾x3	12	1.00	
024	2 qt.	9¼x3½	12	1.20	

One in a carton.

PUDDING DISH—SQUARE

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
059	1½ qt.	7¾x3¾	12	$1.00	

One in a carton.

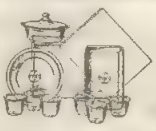
INDIVIDUAL BAKER (RAMEKIN)—ROUND—WIDE RIM

No.	U. S. Trade Size	Outside Dimensions in Inches	Pieces in Case	Retail Price Each	Net Price Each
442	4 oz.	3¾x1¾	108	$ .30	

Half dozen in a carton

GIFTS AND HOUSEHOLD SETS

Sets of carefully selected, useful PYREX Dishes for the customer just starting housekeeping—or for gifts. The ideal wedding gift or for birthdays, anniversaries, Mother's Day prizes, etc.



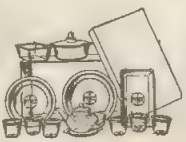
No. 500 Gift Set

9 Pieces

1 No. 623 Casserole
1 No. 231 Utility Dish
1 No. 209 Pie Plate
6 No. 426 Custard Cups

No.	Pieces	Sets per Case	Retail Price Each	Net Price Each
500	9	4	$5.00	

One set in a carton.



No. 555 Household Set

13 Pieces

1 No. 623 Casserole
6 No. 426 Custard Cups
1 No. 212 Bread or Loaf Pan
1 No. 209 and 1 No. 210 Pie Plate
1 No. 231 Utility Dish
1 No. 24 Teapot and 1 No. 706 Tea Tile

No.	Pieces	Sets per Case	Retail Price Each	Net Price Each
555	13	2	$10.00	

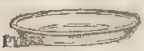
One set in a carton

NEW ASSORTMENTS OF PYREX WARE

Either of these PYREX Selections Will Give the Best Results in Cooking for Any of the Last Mowing Items of the Day.
The Increased Advertising Behind the Improved PYREX Lines is Increasing Demand Constantly. Wise Investment Necessary and Any Users of PYREX for Their Kitchens For Baking and Serving the Same Dish In An Attractive and Utensils for Economical Long Use or Convenience, PYREX is Unexcelled. Test Made Recently Some of the Cooking Schools Have Shown Conclusively that PYREX Actually Bakes Food More Perfectly. Women in Large Numbers Will be Told More Fully This Week At These Stores. Increased Sales Will Result for Each of the 365 Days of the Year.

PUDDING DISHES—ROUND

CUSTARD CUPS ROUND



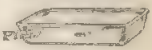
PIE PLATES

BISCUIT PAN—OBLONG

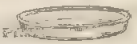
No. B-1 Assortment

Quan.	Cat. No.	Description	Total List
2	632	1 Qt. Round Casserole	$ [illegible]
4	633	1 Qt. Round Casseroles	[illegible]
2	634	2 Qt. Round Casseroles	[illegible]
1	632	1 Qt. Oval Deep Casserole	[illegible]
2	633	1½ Qt. Oval Deep Casseroles	3.[illegible]
1	634	2 Qt. Oval Deep Casserole	2.00
1	643	1½ Qt. Oval Shallow Casserole	[illegible]
2	653	1½ Qt. Square Casseroles	[illegible]
1	021	Qt. Covered Pudding	.60
2	022	1 Qt Round Puddings	1.70
2	023	1½ Qt. Round Puddings	2.00
2	024	2 Qt. Round Puddings	2.40
2	053	1½ Qt. Square Puddings	2.00
4	212	9 in. [illegible] Pies	[illegible]
2	214	[illegible] in. [illegible] Pans	[illegible]
1	110	6 in. Covered [illegible]	[illegible]
[illegible]	215	[illegible] Custard Pans	[illegible]
4	209	[illegible] in. Pie Plates	[illegible]
2	210	[illegible] in. Pie Plates	2.40
1	211	[illegible] in. Pie Plate	1.05
2	221	[illegible] in. Deep Cake Pans	1.50
4	231	10½ in. Oblong Utility Dishes	2.00
1	232	12½ in. Oblong Utility Dish	1.75
6	426	6 Oz. Round Custard Cups	1.80
51 Pieces		Total Retail Value. ..	$79.50

CASSEROLES—ROUND



UTILITY DISHES—OBLONG



CAKE DISHES—ROUND

COVERED BAKING DISH TWO PIECE—OVAL

Per Assortment

No. B-1—Assortment of 51 Pieces .

No. A-1 Assortment

CASSEROLE—OVAL—SHALLOW

CONTENTS

Quan.	Catalogue Number	Description	Total List
1	021	½ qt. Round Casserole	$ .90
2	022	1 qt. Round Casserole	3.60
2	023	1½ qt. Round Casserole	5.20
2	024	2 qt. Round Casserole	4.00
1	633	1 qt. Oval Deep Casserole	1.85
2	643	1½ qt. Oval Shallow Casserole	3.50
1	644	2 qt. Oval Shallow Casserole	2.00
2	653	1½ qt. Square Casserole	3.60
1	022	1 qt. Round Pudding	.80
2	023	1½ qt. Round Pudding	2.00
2	024	2 qt. Round Pudding	2.40
2	053	1½ qt. Square Pudding	2.00
4	209	9 in. Pie Plate	1.60
6	8	Measuring Cup	3.00
51 Pieces		Total Retail Value	$37.50
		Per Assortment	

No. A-1—Assortment of 51 Pieces

ALL IN ONE SHIPPING CASE
WEIGHT 102 LBS.

CASSEROLES OVAL

MEASURING CUPS ROUND

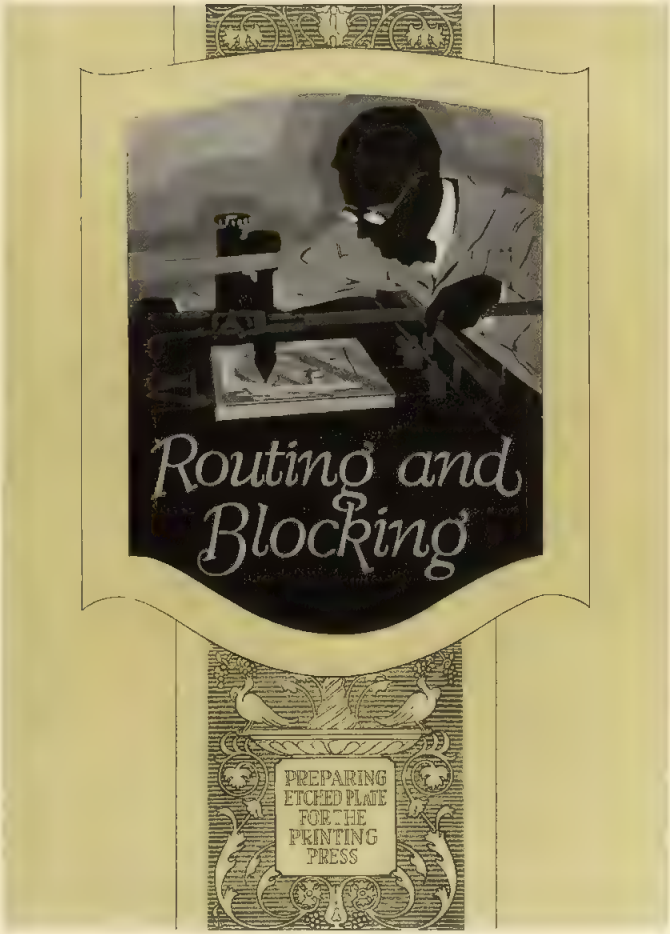
CASSEROLES SQUARE

PUDDING DISHES—SQUARE

PUDDING DISHES—ROUND

PIE PLATES—ROUND

CASSEROLES—ROUND


Routing and Blocking
PREPARING ETCHED PLATE FOR THE PRINTING PRESS

49. Machine used for routing away unwanted metal.

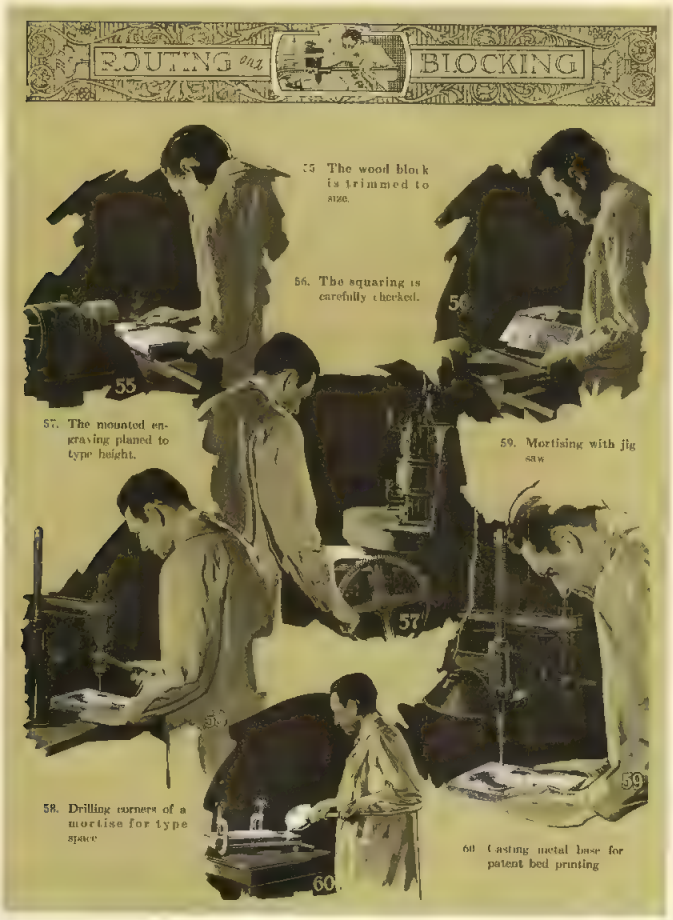
50. The engraving is nailed to block.

51. Cutting up a half tone "flat."

52. Beveling the half tone.

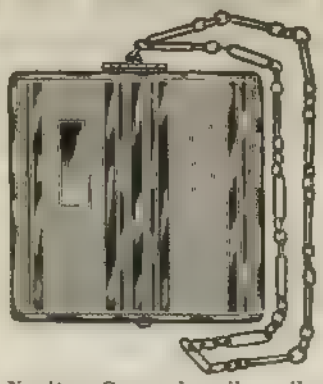
53. Large half-tones are anchored to block.

54. Mounted engravings are cut apart.

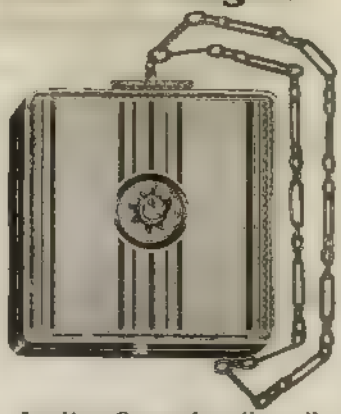

ROUTING and BLOCKING
55. The wood block is trimmed to size.
56. The squaring is carefully checked.
57. The mounted engraving planed to type height.
58. Drilling corners of a mortise for type space
59. Mortising with jig saw
60. Casting metal base for patent bed printing

Vanity Cases and Compacts in New Designs

Compact Powder and Rouge Box, rose gold finish, bird and flower design, enameled in colors Contains cake powder, rouge mirror and puff, with chain and finger ring attached Each in box
No. 85J230.
Per dozen.. 6.50 Each.... .60



Vanity Case, heavily silver plated, engine turned stripe design, contains cake powder, rouge, mirror, and puff; chain link handle. Each in box.
No. 85J232.
Per dozen... 11.50 | Each... 1.00



Vanity Case, heavily silver plated, engine turned stripe design, cloisonne design in center, contains rouge, mirror and place for loose powder Each in box.
No. 85J234, Each..... ... 1.35

Compact Powder Box, silver finish, striped design with cloisonne center Contains large cake of powder, mirror and puff. Each in box
No. 85J231.
Per dozen.... 6.75 | Each... .65

Compact, Powder and Rouge Box, heavily silver plated, stripe effect with blue forget-me-not enameled in colors. Each in box.
No. 85J233. Each..... 1.35

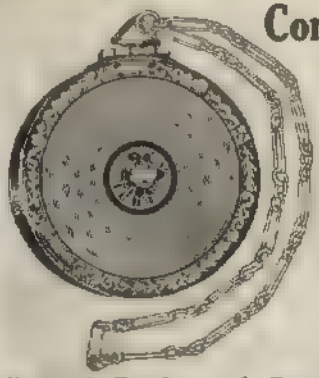
Compact, Powder and Rouge Box, heavily silver plated, cloisonne enameled center, enameled border with floral design. Holds loose powder, with rouge, mirror and puff. Fancy chain handle and ring. Each in box.
No. 85J235. Each..... 1.35

Vanity Case Compact, Dutch silver design effect in finish Contains a cake of powder, rouge, mirror and puff With curb chain handle Each in box.
No. 85J203.
Per dozen... 10.00 | Each... .85

Vanity Case, heavily silver plated Dutch silver design. Contains a cake of powder and rouge; also lipstick and mirror. Each in box.
No. 85J152. Each..... 1.35

Vanity Case, silver finish. Illustration showing inside with mirror, comb, powder and rouge, engine turned effect, with fine chain attached. Each in box
No. 85J134. Each..... 1.25

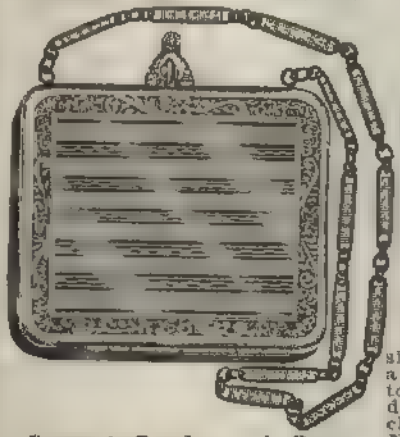
Silver Plated and Gold Filled Compact Cases



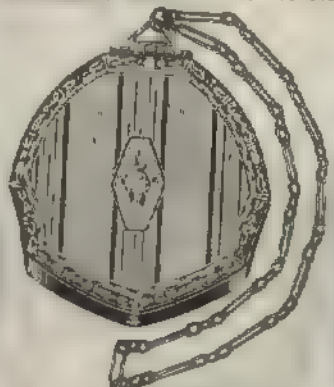
Compact Powder and Rouge Box, heavily silver plated, with a cloisonne enameled circle on the top. Contains one cake of powder, rouge, mirror and puff with fancy link chain handle. Each in box.
No. 85J228. Each 1.65

Compact Box, heavily silver plated, fancy cloisonne enameled. Fitted with powder, rouge and mirror. Fancy link chain with ring attached. Each in box.
No. 85J210. Each 1.85

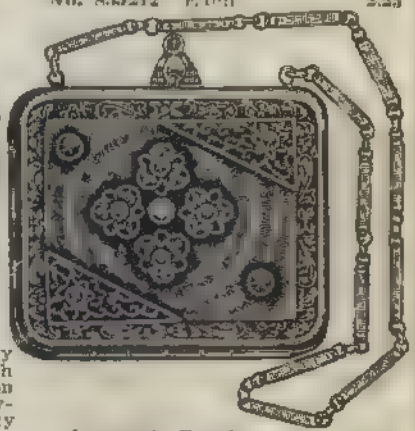
Vanity Compact, gold filled, rose gold finish set with assorted colored stones and one large stone in center. Contains powder, rouge, lipstick and eyebrow pencil also a large mirror. Fox-tain chain handle. Each in box.
No. 85J212. Each 2.25



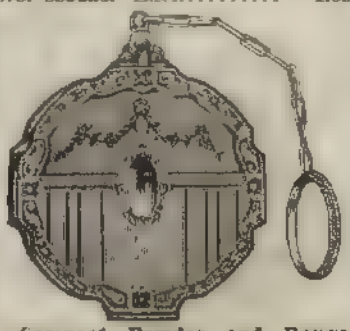
Compact Powder and Rouge Box, heavily silver plated, with fancy embossed border, contains one cake of powder, rouge, two puffs, lipstick, eyebrow pencil, large size mirror, with fancy link chain handle. Each in box.
No. 85J230. Each 1.65



Fancy Shaped Compact, heavily silver plated, striped design with a cloisonne enameled circle on top fitted with one cake of powder, rouge, mirror and puff. Fancy chain handle. Each in box.
No. 85J229. Each 2.10



Compact Powder and Rouge Case, green gold finish, set with fancy colored imitation stones, such as blue topaz and amber. Contains powder, rouge two puffs lipstick, eyebrow pencil and large mirror. Fancy chain handle. Each in box.
No. 85J239. Each 2.25

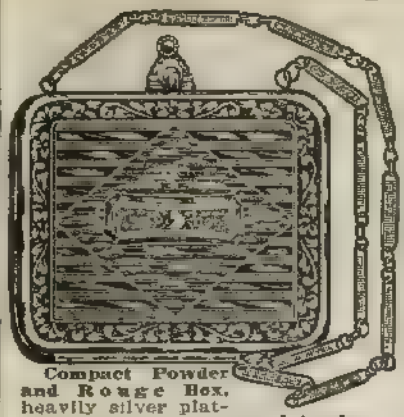


Compact Powder and Rouge Box, heavily silver plated, fancy embossed edge, with small forget-me-not design and shield design in the center. Has compartment for loose powder, contains rouge, mirror and two puffs. Chain handle with finger ring attached. Each in box.
No. 85J237. Each 1.85

Vanity Case, heavily silver plated, with cloisonne center. Contains one cake of powder, rouge, two puffs and two coin holders with a compartment in back of mirror for stamps or bills. Each in box.
No. 85J238. Each 2.15

Compact Case, heavily silver plated basket design, enameled in color. Contains a cake of powder, rouge and mirror. Fancy chain and ring handle. Each in box.
No. 85J208. Each 2.25

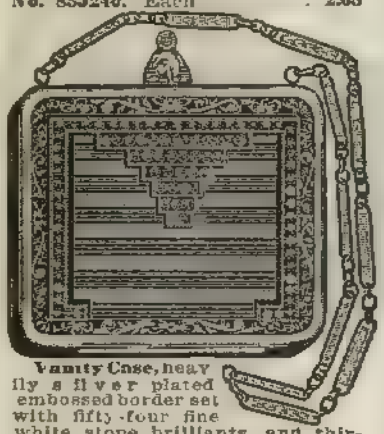
Compacts and Vanity Cases



Compact Powder and Rouge Box, heavily silver plated, with fancy engraved border, light blue cloisonne center. Contains cake powder, rouge, two puffs, lipstick, eyebrow pencil, and large mirror. Fancy chain handle. Each in box.
No. 85J240. Each . 2.65

Compact Powder and Rouge Box, heavily silver plated, beautiful engraved border, with light blue cloisonne enameled center with rose design. Contains large cake of powder, rouge, mirror and puff. Fancy chain handle. Each in box
No. 85J242. Each..... 2.85

Vanity Case, green gold filled, fancy silver engraved top with cloisonne enameled center. Contains rouge, powder, also small comb and mirror. Foxtail chain handle
No. 85J215. Each..... 3.25



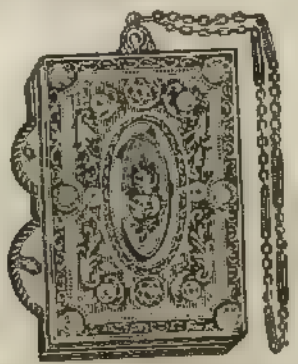
Vanity Case, heavily silver plated embossed border set with fifty-four fine white stone brilliants, and thirty-five imitation sapphires. Contains powder, rouge, eyebrow pencil, lipstick and mirror. Fancy chain handle. Each in box
No. 85J241. Each..... 2.65

Compact Powder and Rouge Box, heavily silver plated, fancy engine turned design, center enameled in light blue with rose in natural colors. Contains compartment for loose powder with rouge, mirror and puff. Fancy chain handle with ring attached. Each in box.
No. 85J243. Each 3.25

Compact Powder and Rouge Box, fancy embossed border of light blue cloisonne, and center of white cloisonne with pink rose. Contains one large cake of powder, rouge, mirror and two puffs. Fancy chain handle and finger ring. Each in box.
No. 85J244. Each..... 3.65

Compact and Cigarette Case, heavily silver plated, fancy embossed design. Contains rouge, powder and lipstick and a large compartment for cigarettes. Black silk cord handle.
No. 85J218. Each..... 3.65

Compact and Cigarette Case, heavily silver plated, fancy embossed design, with oval cloisonne enameled on top. Contains rouge, powder, lipstick and large mirror and compartment for cigarettes. Silk cord handle.
No. 85J219. Each..... 4.25



Vanity Compact and Cigarette Case, jeweled set of oxidized silver finish set with assorted colored stones, cloisonne enameled center. Contains a cake of powder, rouge, lipstick, also a large mirror and large compartment for cigarettes. Fancy link chain handle
No. 85J220. Each..... 5.50

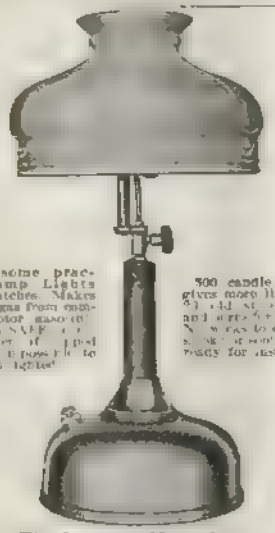
Coleman Quick-Lite

NATIONALLY ADVERTISED **GASOLINE LAMPS AND LANTERNS** NATIONALLY ADVERTISED

Favorites the country over for their (1) Brilliance (2) Convenience (3) Economy (4) Safety (5) Utility.

"It's the light they give that sells them"

The Famous "Quick-Lite" Table Lamps



A handsome practical lamp. Lights with matches. Makes its own gas from common motor gasoline. And is SAFE as split kerosene lamps. Always ready for instant use.

500 candle power—gives more light than 5 old style lamps and burns for hours. No wicks to clean or trim. Always ready for instant use.

The four lamps listed below are exactly the same as the standard model illustrated at the left—except the shades.

2C1006—Complete lamp, 10 in. opal shade. Each **$6.50**

2C2846—(Mfrs C32) With 9 in. burner (three-quarter frosted globe. Each **$6.50**

2C2835—(Mfrs C307) 10 in. opal shade. Each **$6.25**
2C2909—Opal shade. Doz **$7.75**

11¼ in. shade, hand-painted foliage designs. Mfrs Shade
2C2832—C316 Tan
2C2834—C334 Green. Each **$7.00**

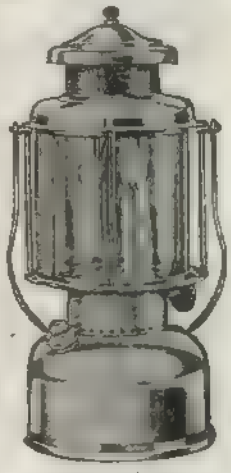
The Standard Model Lamp

2C2896—Mfrs C320) 20 in. high, nickel plated finish 3 pt. fount, burns 18 hours, 800 candle power 10 in. [illegible] white opal shade, complete with mantle, pump, wrench, lighter, generator. 1 in carton 11 lbs. Each **$6.25**

"The light of a thousand uses"

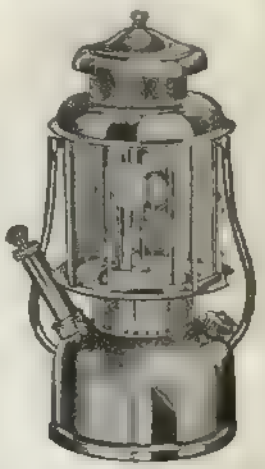
"Quick-Lite" Lanterns

Outdoor lanterns that can be used in hundreds of places where the ordinary lantern would be useless. They operate the same way and give the same wonderful gas as the Quick-Lite Lamps. Gasoline [illegible] Farmers, campers, fishermen, showmen and hundreds of others are daily users.



Standard Lantern

2C2830—Mfrs L327, 14 in. high, 3 pt. fount, burns 15 hours, 1 in carton, 6 lbs. Each **$5.25**



Built-in Pump

2C2831—(Mfrs L) [illegible] The same lantern as 2C2830, with a built-in pump. 1 in carton, 11 lbs. Each **$6.00**

"QUICK-LITE" BRACKETS

13 in. high, 3 pt. nickel plated fount, burns 18 hours

2C2855—Mfrs B329) With 10 in. paneled white opal shade. 1 in case. 15 lbs. Each **$6.75**

2C2842—(Mfrs B321) With 9 in. three-quarter frosted globe. 1 in case. 13½ lbs. Each **$7.00**

"QUICK-LITE" CHANDELIERS

2 burners, 24 in. high, 1½ qt. nickel plated fount, burns 16 to 18 hours

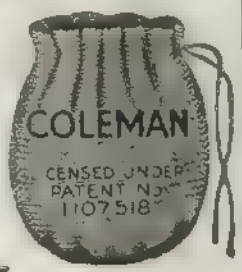
2C2834—Mfrs P329) With 10 in. paneled white opal shades. 1 in crate. 30 lbs. Each **$12.00**

2C2814—Mfrs P321) With 9 in. three-quarter frosted globes. 1 in carton. 20 lbs. Each **$12.50**

Coleman "Junior" Mantles

Give more and better light

You can completely satisfy your customers with Coleman "Juniors" mantles that have been made especially for the "Quick-Lite" Lamps and Lanterns. They are tough, more durable, they last longer.

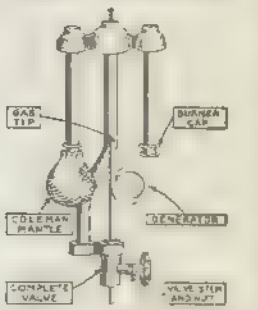


2C3125—Mfrs 4 Coleman Junior, [illegible] Each 75c
1 gro. of them, 1 gro. **$7.50**
½ gro. of them, 1 gro. 7.00

"QUICK-LITE" GENERATORS

2C3343—(Mfrs Q60) 1 doz. in display box. Doz **$2.80**

"QUICK-LITE" SUPPLIES



2C18—Mfrs x8) Gas tip. 6 in. pkg. Each 5c
2C50—Tip cleaning needle. 1 in. pkg. Each 5c
2C23—Mfrs Q23) Burner cap. 3 in. pkg. Each 15c
2C56—(Mfrs Q56B) Valve stem and nut. 3 in. pkg. Each 20c

2C56

2C57—(Mfrs Q57) Valve complete. 11 in. pkg. Each 60c
2C58—Pump. 1 in. pkg. Each 60c
2C3344—(Mfrs [illegible] Burner generator and valve assembled. 1 in. pkg. Each **$2.00**

2C3344

COLEMAN SHADES AND GLOBE

Each number will fit ANY "Quick-Lite" lamp, bracket or chandelier

2C129—Mfrs [illegible] 1 in. pkg. Each 10c
Doz. **$1.00**
½ gro. in pkg. Doz **$9.00**

2C3296—Mfrs [illegible] 1 in. pkg. Each **$1.85**

2C3284—Mfrs 32[illegible] 1 in. pkg. Each **$1.25**
Doz **$12.00**

MICA CHIMNEY

For "Quick-Lite" Lanterns

2C3343—Mfrs [illegible] Fits any "Quick-Lite" lantern. 1 in. pkg. Each 60c

No camping outfit is complete without

Coleman Lamps and Lanterns

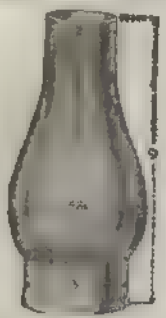
(No Package Charge)

LAMP CHIMNEYS

(No Package Charge)

"WHITE FLAME" LAMP CHIMNEYS

Proper dimensions and scientific design to produce a full white flame with present day quality of kerosene



Fine quality lime glass, plain top, extra height

2C 2900 No. 1, 6 doz. in ... Doz *75

2C 2910 No. 2, 6 doz. in ... Doz *79

ASSORTMENT

2C 3007 Assid as follows.

... doz No 1's (2C 2900).

4 " No. 2's (2C 2910).

6 doz. in case, 25 lbs.

CASE (6 doz) **$5.10**

"SUN" LIME GLASS LAMP CHIMNEYS

Lime glass, seconds, crimped top. Each in corrugated tube

2C 2500—No. 0, 6 doz in ... 5 lbs Doz 72c

2C 2501 No. 1, 6 doz in carton 21 lbs Doz 75c

2C 2502 No. 2, 6 doz in carton 25 lbs Doz 78c

Assortment

2C 2503 Assid as follows

2 doz No 1 at 75c doz

4 " No 2 " 78c "

6 doz in case 25 lbs

CASE 12 doz **$4.75**

FLINT GLASS GLOBE SHAPE LAMP CHIMNEYS

2 designs. Best quality flint glass, crimped top, nickeled and nickel trimmed, each in separate cool box.

2C 2569 No. 1 Assid ... Doz **$1.45**

2C 2571 No. 2. Assid ... Doz **$1.50**

NIGHT LAMP CHIMNEYS

2C 3050 "Nutmeg," ... for night lamp ... Doz Pkgs in Box 12 **37c**

2C 3035 "Gem," 4½ in. high ... Doz Pkg **Oil**

"FIRE TEST" FIRST QUALITY FLINT GLASS LAMP CHIMNEYS

Each in corrugated paper tube.

2C 2781 No. 1 ... Doz **$1.05**

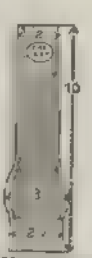
2C 2782 No. 2 ... Doz **$1.10**

2C 2783 No. 3 ... Doz **$1.15**

2C 3535 Rayo, No. 2 ... Doz **$1.25**

... Doz **$1.30**

2C 2781 "Rochester," No. 2 ... Doz **$1.25**

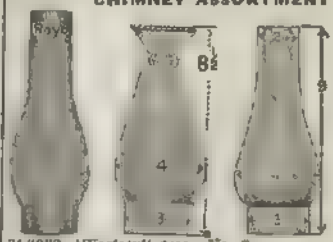


2C 2521 "Success" No. 1 ... Doz **$1.30**

"NUTYPE" LAMP CHIMNEY Trademarked

2C 2790 No. 2 ... Doz

"VARIETY" LAMP CHIMNEY ASSORTMENT



2C 3003—"Variety" Asst., No. 2. Assid as follows:

... doz Rayo Fire Test

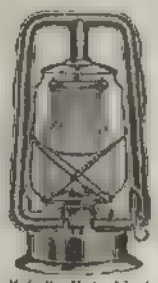
... " crimped lamp

... " White Flame

6 doz in case ... Doz **96c**

LANTERNS

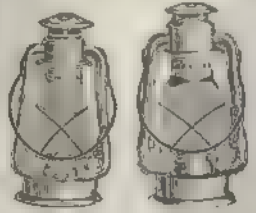
A REAL LEADER



2C 2... Hot Blast, ... No 1 ... Doz **$6.95**

TUBULAR LANTERNS

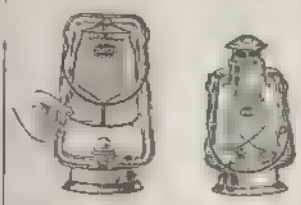
Extra heavy bright tin plate, stamped base, retinned steel burners with wicks



2C 2631—Cold blast ... Doz **$11.50**

2C 2635 Cold blast ... Doz **$11.50**

"DIETZ" LANTERNS



"Hylo" Hot blast, ... No 1 ... burns 30 hours

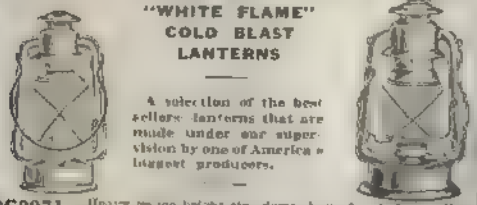
2C 2821 ... doz in case ... Doz **$7.50**

"Little Wizard" Cold blast ... No 1 ... burns 30 hours

2C 2822 ... Doz **$8.50**

"WHITE FLAME" COLD BLAST LANTERNS

A selection of the best sellers lanterns that are made under our supervision by one of America's largest producers.



2C 2971—Heavy gauge bright tin, dome shape font, large filler, small cold blast tubes, standing ball, standard short

½ Doz. Each of the Following:

"Junior size, 11¾ in. high. No 0 burner ... Doz $5.70 ... Total $2.85

Regular size, 14½ in. high. No 2 ... case ... burner ... light and trim). Burns ... 12.20 ... 3.05

... 17 lbs.

ASST (1½ doz) **$5.10**

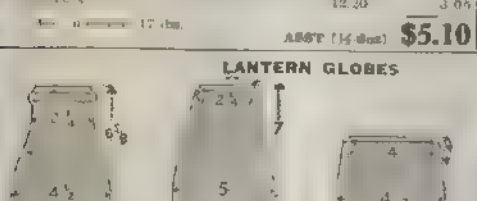
"D-Lite"—Cold blast ... No. 2 burner, burns 30 hours

2C 2825—½ doz in ... 15 lbs. Doz **$13.00**

"Blizzard" Cold blast ... 30 hours

2C 2810 ... Doz in ... 15 lbs. Doz **$13.00**

LANTERN GLOBES



2C 2605 Hot blast, ... Doz **95c**

2C 2600 Cold blast, clear crystal 3 dgs ... Doz **95c**

2C 2811 ... globe ... Lone Wizard and ... Doz **$1.10**

2C 2... Hot blast ... No 1 ... carton, 20 lbs. Doz **$1.75**

"DIETZ" GLOBES

"Lu-mob" ... Doz lbs

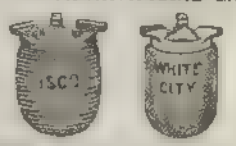
2C 2602 Fitzall ... Doz

2C 2610 D-Lite," ... 2C 2825, ...

2C 2611 Little ... Doz **$1.15**

GAS MANTLES Etc.

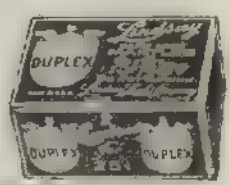
MANTLES FOR NATURAL OR ARTIFICIAL GAS



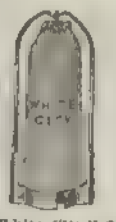
2C 3685 "Arco," best quality mercerized ... magnesia ring ... Doz **48c**

2C 3676 "White City," ... for ... shrink magnesia ring, cast ... 1 doz in pkg ... Doz **85c**

4½ doz. in carton, Doz **88c**



2C 3679 Lindsay "Duplex" ... fibre ... tape. ½ doz. in pkg ... Doz **$1.00**



2C 3615—"White City," 6 cord cotton, metal cap with brass stove ... magnesia covered wire supports

1 doz. in box, Doz **$1.35**

4½ doz in carton, Doz **1.25**

GAS GLOBES AND SHADE

... Doz **82c**

2C 2928—Best quality imported opal glass, squat shape, fits all standard burners. 1 doz. in pkg Doz **$1.35**

2C 4087 ... Doz **$3.10**

GAS BURNER

2C 3805—Brush brass spring shade holder, slide screw regulator, magnesia mantel pcs. 1 doz. in pkg Doz **$2.35**

MANTLES FOR GASOLINE LAMPS

2C 1725— ... Coleman "Junior" ... Doz **75c**

... Doz **$7.50**

... **7.00**

2C 3712 Welsbach ... "Lustro," ... 1 doz in pkg Doz **89c**

LIGHTING GOODS

LAMP FOUNTS

STAR VALUE **Bracket—** No. 2 glass collar, brass threads. Fits 3 sizes, 6 and 8 and 2C3504 bracket lamps.

2C2683 3 doz. in carton, 50 lbs. Doz **$1.45**

Hand and Bracket—3 styles, No. 1 hand, No. 1 bracket and No. 2 bracket, glass collar, brass threads

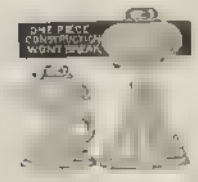
2C2699 Assrtd. 3 doz. in carton, 80 lbs. Doz **$1.90**

Hand—No. 1 clinch collar, tulip shape, plain clear crystal

2C2670—3 doz. in case, 45 lbs. Doz **$1.95**

Hand—3 styles, plain, Grecian harp and bullseye, No. 1 collar

2C2671—Assrtd. 4 doz. in barrel, 105 lbs. Doz **$2.25**



Hand and Stand—4 sizes, 6 inch collar, plain bowl, optic fluted base

Assrtd. as follows

	Burner	High
Hand	No. 1	4¼ in.
Rec. stand	" 1	7¾ "
Mod. stand	" 2	9 "
Large stand	" 2	9½ "

2C2603—Assrtd. 3 doz. in case, about 65 lbs. Doz **$2.25**

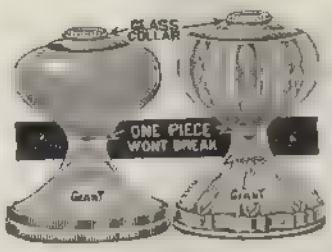
Bracket—No. 2 glass collar, brass threads, 1½ pt.

2C2659—1 doz. in case. Doz **$2.50**

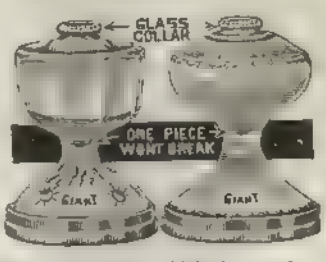
STAR VALUE **Stand**—3 styles, 6 inch collar

2C2685 Assrtd. 1½ doz. in case, 45 lbs. Doz **$2.45**

"GIANT" GLASS COLLAR LAMP FOUNTS



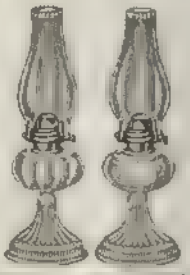
Giants in size and giants in value. Beyond a doubt the best founts to be found in America today at the price.



2C2700—4 styles, No. 2 glass collars, brass threads, average 8¼ in. high, heavy clear crystal, 1-piece construction, assrtd. plain and fancy designs. 4 doz. in carton, 40 lbs. Doz **$3.95**; 3 doz. or more, Doz **$3.75**

STAND LAMPS

Complete with No. 2 burners and crimped top, clear crystal chimneys



2C2784—2 styles, nickel and plain, 15½ in. high, heavy clear crystal founts, 6 in. collar, 1½ doz. in barrel, 85 lbs. Doz **$4.25**

2C2749—3 styles, plain, 15½ in. high, clear crystal No. 2 clinch collar, 1½ doz. in barrel, 95 lbs. Doz **$6.85**

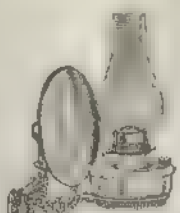
2C2740—3 styles, plain, fluted and ribbed, 16½ in. high, No. 3 clinch collar, clear crystal founts, 1 doz. in large case, 95 lbs. Doz **$8.95**

BRACKET LAMPS

2C3502—"Leader," black japanned bracket, 6½ in. tin reflector, No. 2 brass collar, crystal fount, 1 doz. in pkg., about 20 lbs. Doz **$2.25**

2C3504 — "Saxon," heavy steel wire bracket, 10 in. tin reflector, clear crystal fount, 1 doz. in pkg., 35 lbs. Doz **$3.75**

2C3503 — "White Flame," Japanned bracket, large tin reflector, clear crystal fount, "Queen Anne" No. 3 burner, [illegible] chimney, 1 doz. in pkg., 35 lbs. Doz **$4.50**



2C3526—Swinging bracket, 8½ in. nickel reflector, clear crystal fount, No. 1 burner, chimney, 1 doz. in case. Doz **$11.25**

2C3527—Swinging bracket, adjustable reflector, 8 in. silvered reflector, clear crystal fount, No. 2 burner, chimney, 1 doz. in case. Doz **$13.75**

SILVERED GLASS REFLECTOR

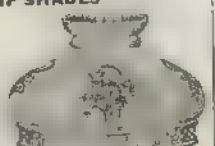
For Bracket Lamps

2C2585—8 in., 1 doz. in case, 35 lbs. Doz **$5.75**

GLASS LAMP SHADES

Plain—10 in., opal ruffled top for center draft lamps.

2C2640—½ doz. in pkg., 14 lbs. Doz **$7.50**



Embossed—10 in., opal ruffled top, clear fluted bottom, with floral decorations, 1 blue with marine decorations. For "Coleman" gasoline lamps and other makes.

2C2649—½ doz. in case, 25 lbs. Doz **$11.85**

"SUCCESS" NICKEL PLATED STAND LAMP

2C2928—21½ in. high, No. 2 "Success" burner, center draft, brass nickel plated [illegible] clear bolt chimney, 10 in. [illegible] 1 doz. in carton, 85 lbs. Each **$2.50**

"RAYO" NICKEL PLATED STAND LAMP

2C2926—"Rayo" complete lamp, [illegible] nickel plated [illegible] burner, center draft, [illegible] 1 in. [illegible] per pkg. Each **$3.25**

2C2647—[illegible] 1 doz. in carton Dz **$8.25**

2C2929—"Rayo" burner, 1 in. [illegible] Each **85c**

2C2535—"Rayo" chimney, [illegible] Doz **$1.25**

NIGHT LAMPS

Complete with burners, wicks and chimneys.

2C2771—"Handy," 7½ in. high, glass collar, "Nutmeg" chimney and burner, assrtd. crystal and blue. 2 doz. in carton, 30 lbs. Doz **$2.15**

2C2774—"Little Jewel," [illegible] in. high glass collar, nutmeg chimney and burner, plain fount with handle, celestial [illegible]. 1 doz. in carton, 15 lbs. Doz **$3.25**

2C2775—2 styles, crystal and [illegible] in. high, [illegible] in carton, 35 lbs. Doz **$3.80**

Assortment

2C2775 "Variety" Assortment, [illegible] assrtd. as follows

3	[illegible]
4	[illegible]
4	[illegible]
3	2C2775

1 doz. in carton, 85 lbs. Doz **$2.95**

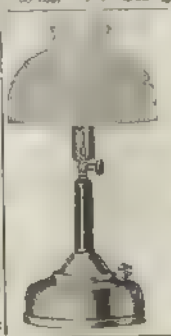
"COMET" WALL NIGHT LAMP

2C2580—Complete lamp, 8 in. high, 4 in. fount, opal globe, burns 40 hours. 1 in box Each **85c**; 1 doz. in pkg. Doz **$9.25**

2C2584—Wick, [illegible] yard pkg. Doz **89c**

2C2583—Globe, [illegible] doz. in pkg. Doz **95c**

"NULITE" GASOLINE LAMP AND LANTERN



400 c. p., nickel plated, with 2 mg mantles, generator pump, wrench, tip cleaner, extra rubber washers and instruction card

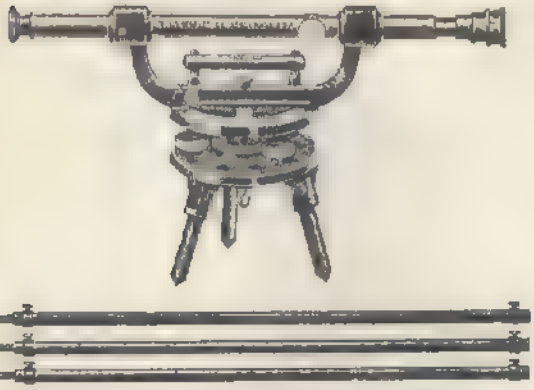
Lamp—23 in. high, white embossed shade 2C2687 1 in carton, 6 lbs. Each **$6.25**

Lantern—Bull-it-in pump, storm proof, mica chimney 2C2688—1 in carton, 5 lbs. Each **$6.00**

Generator—For both lamp and lantern. 2C2689—1 doz. in box .... Doz **$3.00**

LEVELING INSTRUMENTS

STARRETT



For Attaining Angles in Horizontal Plane Only

For contractors, farmers, masons, etc. Light weight and has a wide range of work

The upper plate is connected to the tripod head by a ball and socket joint, and is leveled by the leveling screws. This plate is recessed to contain a graduated arc for taking angles, and on the plate is the frame with level and sight tube for taking horizontal angles only. The nickel plated sight tube on this instrument is plain, with no lenses, 12 in. long, with small eye aperture and the usual cross wires.

	Each
No. 101A—With Plain Sight Tube, Long Legs and Plain Level Vial	$15.00
No. 101B—With Plain Sight Tube, Long Legs and Ground Level Vial	16.75
No. 101C—With Telescope, Long Legs and Ground Level Vial	25.00
Iron Target—Without Pole	1.50

STARRETT TRANSIT

Furnished in Wood Carrying Case

The instrument is composed of iron and brass, and consists of a tripod, to the head of which is connected by a ball-and-socket joint an upper plate which can be leveled by the leveling screws.

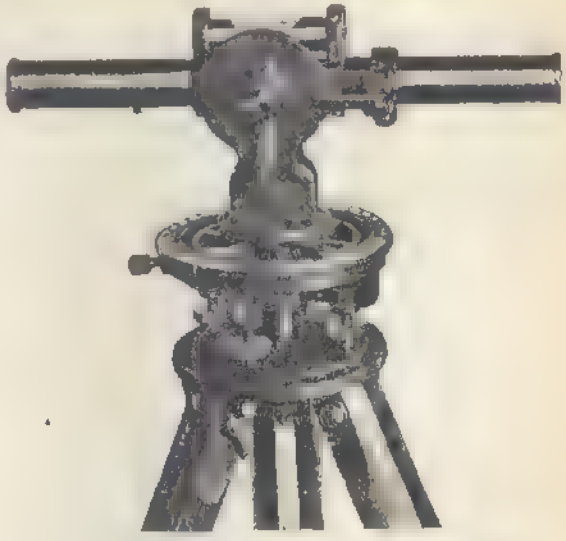
The plate is recessed to contain a graduated arc for taking horizontal angles. This arc is ½ of a circumference, reading 90° each side of 0, and being independent of level and sight tube can be turned and used at any point of a complete circle. On this plate rests a triangular frame to which are attached a level, a graduated arc for taking vertical angles, graduated 45° each side of 0, and a sight tube. The plain sight tube has no lenses, is brass, 12 in. long, in one end is a small eye aperture, in the other the usual cross wires

The telescope has cross lines, is adjustable to distances, and is same size and length as plain sight tube. The lens is well protected from dirt and breakage by a friction cap, and a shutter for the eye aperture.

With short legs, as shown in the cut, the instrument is 8 in. high. With long extension legs, which fasten on over the short legs, the height can be adjusted from 2 ft. 8 in. to 4 ft. 8 in. The sight tube, level case, and graduated arcs are nickel plated, the other parts are japanned.

	Each
No. 99B—With Plain Sight Tube, Long Legs and Plain Level Vial	$20.00
No. 99F—With Telescope, Long Legs and Ground Level Vial	40 00
Iron Target—Without Pole	1 50

WHITE IMPROVED DUPLEX

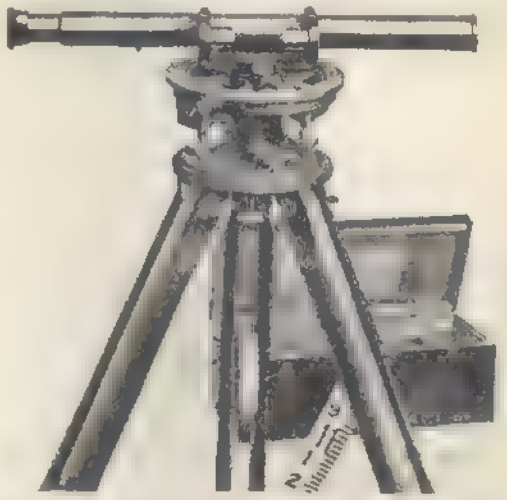


A Low Priced Combination Level-Transit

Polished brass telescope 10 in long. Drawer eyepiece. Fixed cross hairs, ten diameters achromatic lens system showing objects upright, provided with index lock permitting release into tilting position up to 45° above or below horizon. Bronze adjustable standards. Silvered brass circle 4¼ in. diameter, divided by 360° in quadrants, revolving under arm. Bronze leveling head. Three point type bearing surface.

	Each
No. 2052—Polished Brass, Lacquered and Olive Green, Complete with Tripod, Plumb Bob, Flexible Leveling Rod and Carrying Case, Weight 17 Lbs.	$35 00
No. 2052R—With Rigid Extension Rod Instead of Standard Flexible Rod	38 00

UTILITY FARM LEVEL



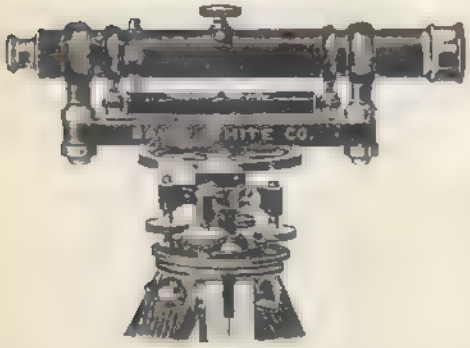
For Contractors, Road Builders and Farmers

The sturdiest, most compact, and most practical instruments of its kind ever put on the market. It has a 10 in. telescope with adjustable eye piece, fixed cross hairs, ten diameter achromatic lens system, horizontal circle graduated to degrees, index arm, four leveling screws and spirit level.

	Each
No. 2050—Complete Equipment Including Carrying Case, Tripod, Plumb Bob, 12½ ft. Flexible Rod, and a Book of Instructions, Weight Each 14 Lbs.	$25 00

LEVELING INSTRUMENTS

WHITE CONTRACTORS DUMPY LEVEL



No. 2038

These instruments will be found very serviceable for Millwrights, Architects Mason Contractors and Builders, also for Drainage Contractors for tile draining and other operations where lines are to be run with stations but a short distance apart.

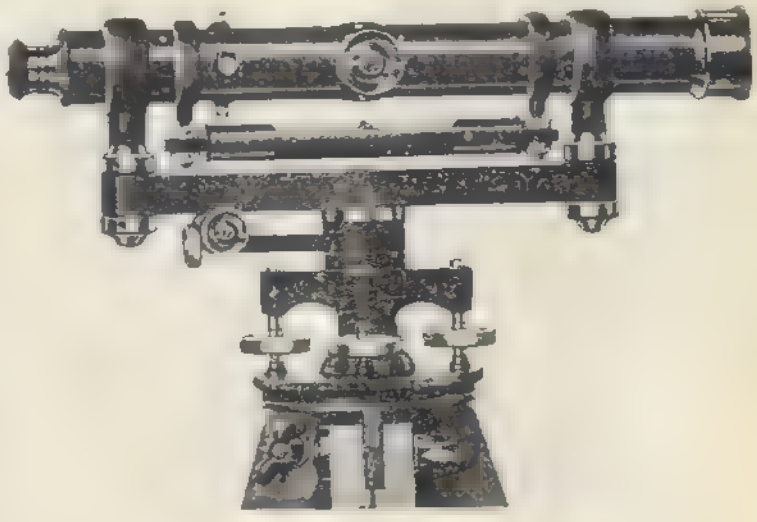
Especially designed to meet the growing demand for a level selling at a moderate price, but still possessing the essential characteristics of the higher priced "Y" level. The telescope is 12 inches long with magnifying power 25 diameters. Aperture of objective lens 1¼ inches. Horizontal circle 4½ inches in diameter and graduated from 0 to 90 degrees each way, with vernier reading to 5 minutes. The circle can be set at zero at any given point. Center extra long and well tapered, and made of hard bell metal. Telescope of fine definition, and the objective lens is focused by rack and pinion of improved make. Improved eye-piece for precise focusing of the cross-hairs. Telescope yokes of best composition metal permanently fixed, thus insuring greater stability This instrument unlike the "Y" level, has very few adjustments and when once adjusted it stays adjusted a longer period of time Tripod is made of best seasoned hardwood A metal trivet having three sharp points, for placing the level on any surface of wood or stone, is furnished with each instrument Level vial is extra long, carefully ground and graduated on the glass Instrument packed erect ready for use in polished hardwood box with strap containing full directions for use together with screw capped plumb bob, sun shade, dust cap and adjusting pins

	Each
No. 2038—Complete with Tripod, Case and Accessories Weight 28 Lbs.	**$65.00**
No. 2039—Same as No 2038 with the Exception that it is Provided with a Clamp and Tangent Movement thus Enabling the Instrument to be Clamped More Securely and a Movement in the horizontal Plane to be Made More Accurately	**70.00**

WHITE ROAD BUILDERS LEVEL

This recently designed Instrument has instantly met with the approval of road builders throughout the United States and Canada and is without exception the finest Level of its class on the market.

The telescope is 12 inches long with magnifying power 25 diameters. Aperture of objective lens 1¼ inches. Center extra long and well tapered and made of hard bell metal. Telescope of fine definition, objective lens focused by rack and pinion of improved make. Improved eye-piece for precise focusing of the cross-hairs. Telescope yokes of the best composition metal, permanently fixed, thus insuring great stability. This instrument, unlike the "Y" level, has very few adjustments and when once adjusted stays adjusted a long period of time. Tripod is made of best seasoned hardwood. A metal trivet having three sharp points, for placing the level on any surface of wood or stone, furnished with each instrument. Level vial is extra long, carefully ground and graduated on the glass. Instrument packed erect, ready for use, in polished hardwood box with strap, containing full directions for use, together with screw capped plumb bob, sun shade, dust cap and adjusting pins

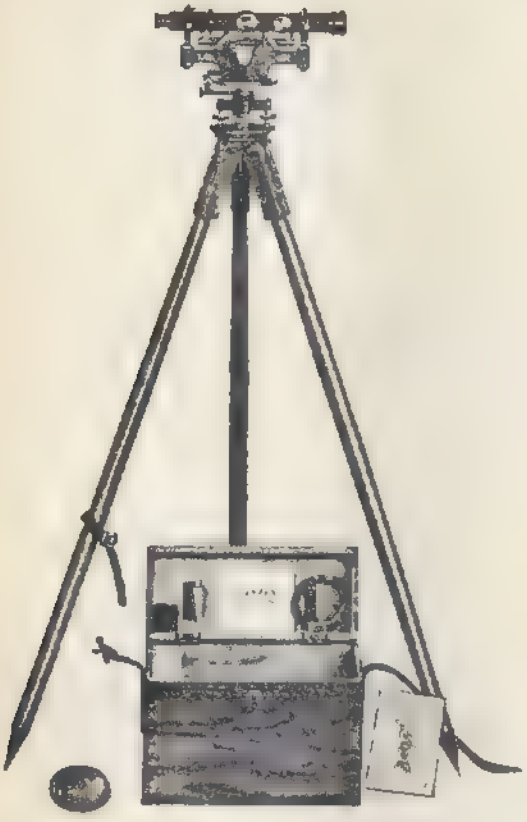


No. 2035

	Each
No. 2035—Complete with Tripod, Case and Accessories, Weight 28 Lbs.	**$60.00**
No. 2036—Same as No 2035, with the Exception that it is Provided with a Clamp and Tangent Movement Thus Enabling the Instrument to be Clamped More Securely and a Movement in a Horizontal Plane to be Made More Accurately	**65.00**

LEVELING INSTRUMENTS

WHITE IMPROVED CONVERTIBLE



No. 2020.

The "White" Convertible Level, a combination Level and Transit, is an instrument indispensible for the speedy and accurate performance of every known building operation. It is especially recommended to Architects, Contractors and Builders, Millwrights and Drainage Engineers, Mason Contractors and Landscape Gardeners, Grading Contractors and Road Engineers.

Telescope—12 in. long with dust shade. Magnifying power 25 diameters showing objects erect. Object glass 1¼ in. aperture, rack and pinion movement to object slide, spiral movement to eye-piece. Cross hairs, sun-shade and dust-cap. Range 5 feet to one mile. Lenses of finest quality, level to telescope 4 in. long, housed in tube with protection bridge, graduated on the glass and ground to a sensitiveness of 60 sec. of arc to 1/10 in. motion of bubble.

Cross-Bar and Wyes—Cross-bar and standards are cast integral and heavily ribbed and strengthened. Wyes (one of which is adjustable) are of improved design with lock-nuts for locking yokes, dispensing with old style pin bolts. One wye yoke is provided with stop insuring true position of cross-hairs when leveling. Cross-bar and standards are constructed of steel-like bell metal. Convertible standards provided with two brass straps which hold telescope firmly in the trunnions when in transit position.

Circle—4½ in. diameter with eight reinforced spokes, divided to degrees numbered 0—90 in quadrants and reading by vernier to 5 minutes. Circle is movable for the purpose of setting same at zero at any given point and provided with a set-screw

Leveling-Head—Improved design, heavily ribbed, with clamp and tangent screw. Four leveling screws with shoes. Center extra long and constructed of hard bell-metal. Shifting center.

Regular Equipment—Solid leg tripod with iron shoes and protection cap to head. Bolts provided with wing nuts for tightening by hand. Polished hardwood carrying case with strong lock and strap. Six-ounce plumb-bob, trivit (for foundation work), sun-shade, and adjustable pins. Full instructions for use with each level

Finish and Weight—Instrument is finished in rich olive alligatorite with small parts in bright gold, making a very tasty and durable finish.

Special Features of White Improved Convertible Levels

(1) The cross-bar is drop-centered and cast integral with standards. (Patented.)

(2) Spirit level glass always rests safely below telescope out of harm's way, whether used as level or transit.

(3) No loose attachments to fasten on by means of thumb screws. Nothing to get out of order or adjustment. Always accurate. Always dependable.

(4) Extra fine and powerful telescope (25 diameter power). Extra large objective lens (1¼ in. aperture). Extra long telescope (12 in.)

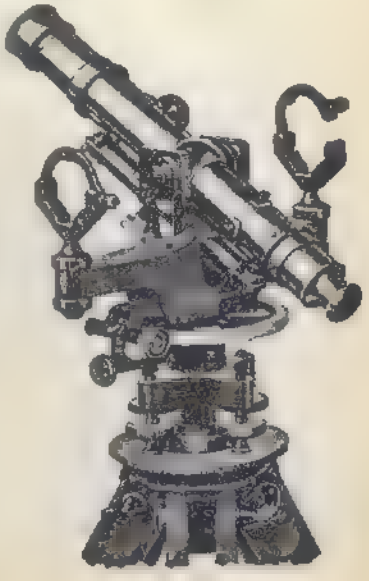
(5) Only ten seconds are required to change instrument from an accurate level to an equally accurate transit. Standards, which accommodate telescope when in transit position, do not interfere when instrument is used as a level; in fact, they serve as a protection to spirit level glass.

(6) Shifting center

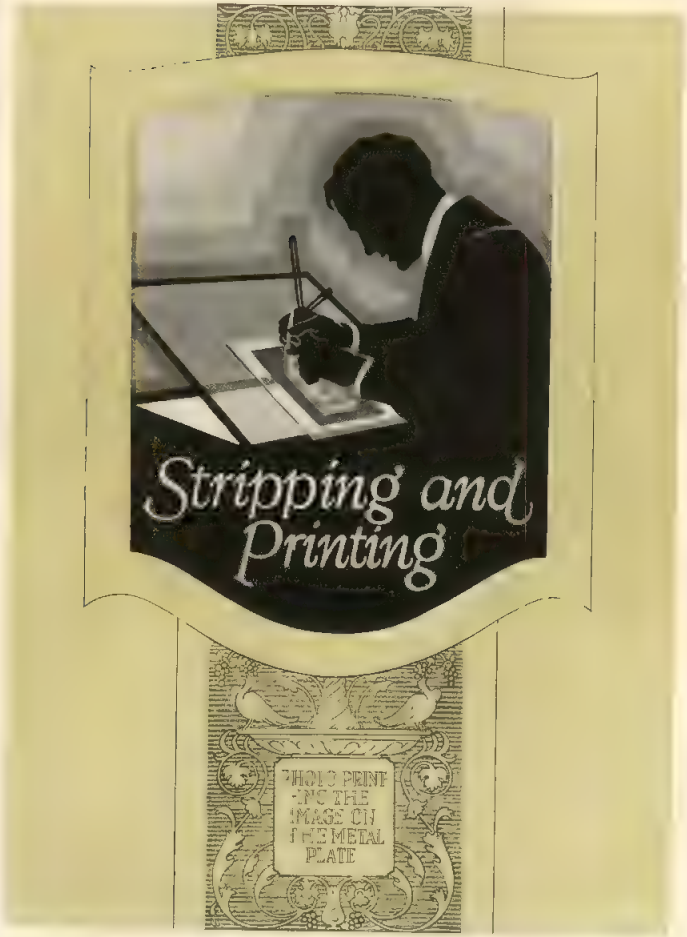
	Each
No. 2020—Complete with Tripod, Case and Accessories, Weight 15 Lbs....	$ 95 00
No. 2021—Same as No. 2020, but with Vertical Arc Divided to Degrees Numbered 0—40 Each Way and Reading by Vernier to 5 Minutes....	105 00

In Place of Regular Equipment, Both Levels, No. 2020 and No. 2021, May be Furnished with the Following Options:

(A) Compass attached to instrument, of suitable accuracy for building work.
(B) Heavy split leg tripod in place of regular solid leg tripod.
(C) Heavy extension leg tripod, in place of regular solid leg tripod.
(E) Fixed stadia hairs reading 1 foot in 100 feet on any rod



No 2021


Stripping and Printing
PHOTO PRINT
ING THE
IMAGE ON
THE METAL
PLATE

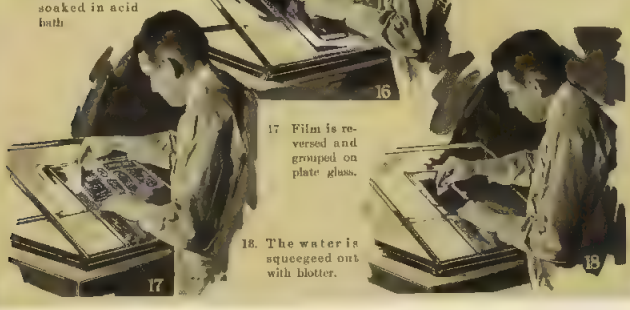
STRIPPING and PRINTING

13. Negative is coated with rubber and collodion.

14. Then it is squared and cut to size.

15. The negative is soaked in acid bath.

16. Stripping the negative off glass.



17. Film is reversed and grouped on plate glass.

18. The water is squeegeed out with blotter.

STRIPPING and PRINTING

19 The metal plate is polished with abrasives.

20. Sensitizing solution is poured over zinc plate.

21. Copper plates are coated in whirler.

22 Exposing the sensitized metal to arc light.

23 Zinc prints are rolled up with ink.

24. Developing inked print with water.

THE TRADE MARK KNOWN UNIVERSAL IN EVERY HOME

UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

Extra Silver Overlay Reinforcement At Tip
NICKEL SILVER BASE
THICK OVERLAY OF PURE SILVER
Extra Silver Overlay Reinforcement Under Bowl

THE EMPRESS PATTERN

THE Empress pattern correctly expresses the artistry of those stirring Napoleonic days of splendor, when the radiant Josephine and the proudly beautiful Maria Louisa were successive Empresses of France. Its slender lines, dainty symmetry and exquisite ornamentation reveal the master designer's interpretation of the vogue of that period.

The "Empress" adds charm to hospitality and assures an element of artistic importance to the table setting of any dining room, resulting in that deeper, truer satisfaction so essential in the choice of table silverware.

"Not Solid Silver but the Nearest Ware to it."

UNIVERSAL Silver Overlaid Table Service is made by overlaying upon a solid nickel silver base a heavy reinforced plate of pure silver. On parts exposed to hardest wear, an extra plate of silver is overlaid, thus assuring a lifetime of satisfactory service.

All UNIVERSAL Silver Overlaid Hollow Handle Cutlery pieces have blades of Resistain stainless Steel which is a patented and exclusive UNIVERSAL product that will not rust, stain or turn black on the edges

LANDERS FRARY & CLARK
Master Cutlers and Silversmiths for over half a century
New Britain, Connecticut, U. S. A.

The tip is heavily reinforced with an extra overlay of pure silver.
A heavy overlay of pure silver reinforces the underside of the bowl.

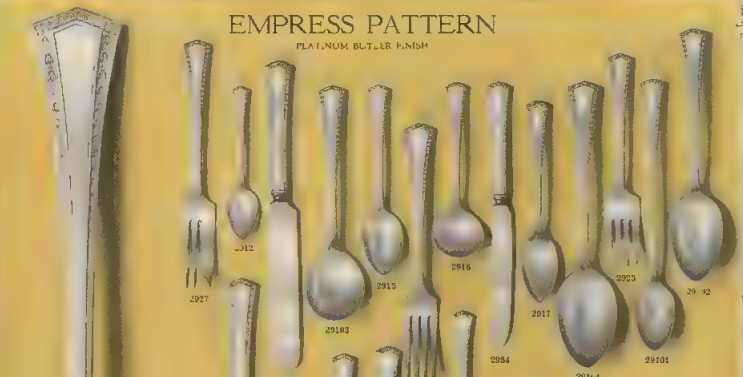
THE TRADE MARK KNOWN UNIVERSAL IN EVERY HOME

UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

EMPRESS PATTERN

PLATINUM BUTLER FINISH



SPOONS

2910 Tea	$ 7.85 Dz.
29102 Dessert	14.60 "
29104 Table	15.65 "
29103 Soup	14.60 "
29 92 Orange	10.10 "
2913 Five O'clock Tea	7.30 "
2912 Coffee	7.30 "
2916 Bouillon	12.18 "
29101 Iced Tea	18.70 "

FORKS—FLAT HANDLE

2925 Dessert	$14.60 Dz.
2926 Medium	16.65 "
2923 Individual Salad	16.65 "
2927 Pastry	16.70 "
2921 Oyster	16.10 "
2928 Ice Cream Fork	12.10 "

KNIVES MODELED HANDLES, S. P.

29302 Medium Straight	$14.60 Dz.
293021 Medium Cimeter	14.60 "
29301 Dessert Straight	14.10 "
2932 Fruit	11.80 "

KNIVES HOLLOW HANDLE

Rexstron Steel Blades

29313 Medium French	$28.20 Dz.
293.2 Med. French Lustre Fin.	31.30 "
2936 Dessert Straight	26.10 "
29361 Dessert Cimeter	26.10 "
2933 Fruit	25.00 "
2934 Orange	25.00 "
2935 Child's Knife	25.00 "

KNIFE AND FORK SETS

Hollow Handle Rexstron Steel Knives with Flat Forks

293197 Medium French	$22.48 Dz.
293127 Medium French Lustre	22.48 "
29367 Dessert Straight	20.35 "
293671 Dessert Cimeter	20.35 "

KNIFE AND FORK SETS

Modeled Handle Knives S. P. with Flat Forks

293067 Medium Straight Knives	$15.13 Set
2930271 Medium Cimeter Knives	15.13 "
293017 Dessert Straight Knives	14.60 "

KNIVES FLAT HANDLE

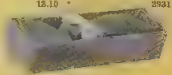
2930 Butter Spreader	$13.70 "

MISCELLANEOUS

294112 Salad Serving Fk and Sp.	$6.00 Pr.

CARVERS, ETC.—HOLLOW HANDLES

2950 Bird or Steak Carvers Rexstron	$ 8.40 Pr. 12.50 Set
2951 Game Carvers, Rexstron	10.50 Pr.
2952 Roast Carvers, Rexstron	17.90 Set
2931 Butter Spreaders Silv.	17.50 Dz.



THE Universal Silver Roll is a soft Turquoise Blue Flannel-ette material especially designed for preserving sets of six pieces or a set or pair of carvers, and the roll, in an attractive silver gray paper box (no extra charge). Keeps silver from scratching and tarnishing. This distinctive feature gives a new advantage to the high standard of Universal Silver-Overlaid Ware, hitherto unattained except in the best products of Sterling Silver.

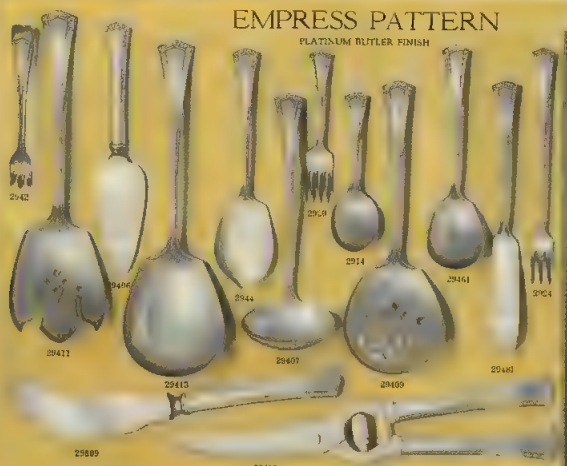
THE TRADE MARK KNOWN "UNIVERSAL" IN EVERY HOME

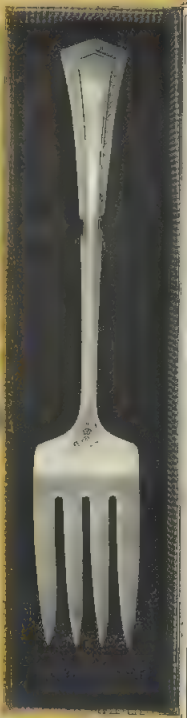
UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

EMPRESS PATTERN

PLATINUM BUTLER FINISH





SPOONS

29461 Sugar	$1.30 Ea.
29413 Salad Serving	3.80 "
29413 Berry	3.80 "

FORKS—FLAT HANDLE

2924 Pickle	$1.30 Ea.
29402 Cold Meat	1.95 "
29411 Salad Serving	3.80 "

KNIVES—FLAT HANDLE

29481 Butter Knife	$1.45 Ea.

LADLES

29400 Cream	$1.90 Ea.
29407 Gravy	2.70 "
29415 Oyster	5.85 "
29417 Medium Soup	7.15 "

MISCELLANEOUS

2944 Jelly Server	$ 1.75 Ea.
29409 Tomato Server	3.80 "
2942 Sugar Tong	2.10 "
29482 Butter Knife and Sugar Shell	2.75 Pr.
29442 Baby Fork and Spoon	1.75 "
29838 Child's Knife, Fork and Spoon	5.70 "

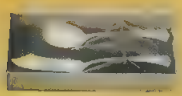
KNIVES HOLLOW HANDLE

Kenetaw Steel Blades

29309 One Arm Man's Knife	$4.00 Ea.

MISCELLANEOUS—HOLLOW HANDLES

29405 Pie, Cake or Ice Cream Serv., Silv.	4.80 Ea.
29406 Cheese Server, Silv.	2.70 "
29419 Game Shears	12.50 "



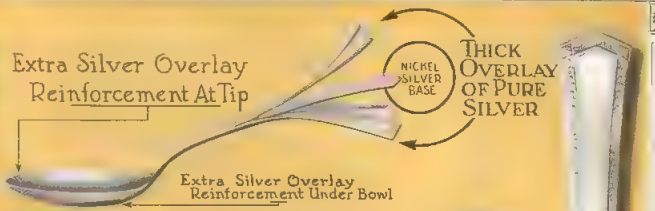
THE Universal semi-contour gift box contains a blue velvet pad especially made for us. The pad is removable, thus enabling better arrangement of one's own silver in the drawer. The attractive boxes may be used for other purposes. A most practical package for selling gift silverware.

THE TRADE MARK KNOWN IN EVERY HOME

UNIVERSAL

UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE



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UNIVERSAL Silver Overlaid Table Service is made by overlaying upon a solid nickel silver base a heavy reinforced plate of pure silver. On parts exposed to hardest wear, an extra plate of silver is overlaid, thus assuring a lifetime of satisfactory service.

All UNIVERSAL Silver Overlaid Hollow Handle Cutlery pieces have blades of Resistain Stainless Steel which is a patented and exclusive UNIVERSAL product that will not rust, stain or turn black on the edges.

LANDERS, FRARY & CLARK
Master Cutlers and Silversmiths for over half a century
New Britain, Connecticut, U. S. A.

The top is heavily reinforced with an extra overlay of pure silver.
A heavy overlay of pure silver reinforces the underside of the bowl.

THE TRADE MARK KNOWN UNIVERSAL IN EVERY HOME

UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

EMPRESS PATTERN

PLATINUM BUTLER FINISH

KNIVES HOLLOW HANDLE
Rezista-s Stainless Steel Blades

29313	Medium French	$29.20 Dz.
29312	Med French Lustro Fin.	31.30 "
2934	Dessert Straight	26.10 "
29361	Dessert Cimeter	26.10 "
2933	Fruit	25.00 "
2934	Orange	25.00 "

KNIVES—MODELED HANDLE, S. P.

29303	Medium Straight	$14.60 Dz.
290321	Medium Cimeter	14.60 "

KNIVES—EMBOSSED HANDLES

29322	Medium French Resistain	$17.25 Dz.
29321	Dessert Straight, S. P.	17.25 "

KNIFE AND FORK SETS
Hollow Handle Resistain Stainless Steel Knives with Flat Forks

293137	Medium French	$22.42 Dz.
293127	Medium French Lustro	23.48 "
29367	Dessert Straight	20.85 "
293671	Dessert Cimeter	20.85 "

KNIFE AND FORK SETS
Modeled Handle Knives, S. P. with Flat Forks

293027	Medium Straight Knives	$15.13 Set
2930271	Medium Cimeter Knives	15.13 "

KNIFE AND FORK SETS
Embossed Handle Knives with Flat Forks

293227	Medium French Resistain	$16.78 Set
293217	Dessert Straight, S. P.	16.78 "

KNIVES—FLAT HANDLE

2930	Butter Spreader	$13.75 Dz.

SPOONS

2919	Tea	$ 7.95 Dz.
29102	Dessert	14.60 "
29101	Table	16.65 "
29103	Soup	14.60 "
2917	Orange	10.10 "
2918	Five O'clock Tea	7.30 "
2913	Coffee	7.30 "
2916	Bouillon	13.10 "
29101	Iced Tea	13.70 "

FORKS—FLAT HANDLE

2925	Dessert	$14.60 Dz.
2925	Medium	14.65 "
2923	Individual Salad	13.65 "
2927	Pastry	13.70 "
2921	Oyster	10.10 "
2926	Ice Cream Fork	13.0 "

CARVERS, ETC.—HOLLOW HANDLES

2950	Bird or Steak Carvers	$ 8.40 Pr.
	Resistain Stainless	12.50 Set
2951	Game Carvers, Resist. Stain.	10.50 Pr.
2952	Beef Carvers, Resist. Stain.	17.00 Set
2931	Butter Spreaders, Silv.	17.10 Dz.

THE Universal Silver Roll is a soft Turquoise Blue Flannette, tarnish roll, especially designed for packing case of six pieces or a set or pair of carvers, and the roll in an attractive silver gray paper box, no extra charge. Keeps silver from scratching and tarnishing. This latter-in feature gives a new advantage to the high standard of Universal Silver Overlaid Ware, is there unattained except in the best products of Sterling Silver.

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UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

EMPRESS PATTERN

PLATINUM BUTLER FINISH

SPOONS

29461 Sugar	$1.30 Ea.
29413 Salad Serving	3.30 "
29413 Berry	3.30 "

FORKS—FLAT HANDLE

2934 Pickle	$1.30 Ea.
29402 Cold Meat	1.45 "
29411 Salad Serving	3.30 "

KNIVES FLAT HANDLE

29481 Butter Knife	$1.45 Ea.

LADLES

29400 Cream	$1.90 Ea.
29407 Gravy	2.70 "
29415 Oyster	4.50 "
29417 Medium Soup	7.45 "

MISCELLANEOUS

2944 Jelly Server	$ 1.75 Ea.
29409 Tomato Server	3.30 "
2942 Sugar Tong	2.10 "
29432 Butter Knife and Sugar Shell	2.75 Pr.
29142 Baby Fork and Spoon	1.75 "
29338 Child's Knife, Fork and Spoon	3.70 "

KNIVES HOLLOW HANDLE

Kenetown Steel Blades

29309 One Arm Man's Knife	$4.00 Ea.

MISCELLANEOUS—HOLLOW HANDLES

29405 Pie, Cake or Ice Cream Serv., Slv.	4.80 Ea.
29406 Cheese Server, Slv	2.70 "
29419 Game Shears	12.50 "

THE Universal semi-contour gift box contains a blue velvet pad especially made for us. The pad is removable, thus enabling better arrangement of one's own silver in the drawer. The attractive boxes may be used for other purposes. A most practical package for selling gift selections.

AIR COMPRESSORS

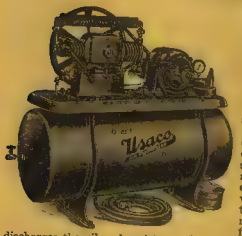
USACO TWO STAGE DE LUXE

The two stage feature greatly increases efficiency, reduces vibration to a minimum, prolongs life of outfit and makes compressor extremely quiet running. Filtering trap in base extracts moisture, assuring pure dry air. Cylinders and crank case are cast emblock, assuring perfect alignment of cylinders and avoids trouble of leaking oil.

High grade electric motors, particularly adapted for compressor service are used; direct current motors are compound wound; alternating current motors are repulsion induction type. Automatic pressure release prevents alternating current motor burning out when started against heavy load. Oiled by the splash method which provides oil at all times.

220 Volt motors are preferable for air compressor work.

GIANT DE LUXE



Particularly adapted for the gruelling service encountered in inflating giant truck tires; a service which it handles with remarkable speed and ability. Embodies all the desirable features described and consists of: compressor and motor mounted on metal base, with belt and belt tightener, automatic controller, filtering trap which discharges the oil and moisture, check valve, pressure gauge, (automatic pressure release on A. C. motors only); needle point valve, safety valve, 60 gallon tank tested to 400 lbs. pressure, suitable for pressure of 200 lbs., 25 feet of best air hose and automatic air chuck. Complete and ready to run when wired to electric circuit.

Capacity 5 cu. ft. per minute; cylinders low 3x3 in. and high 1¼x3 in.; diameter of pulley 18 ins; 1 H. P. motor; 400 R. P. M.; floor space 52x25x46 inches.

	Each
No. A-GD-1—110 volt; A. C.; single phase; 60 cycle	✦930 00 *$368 75*
No. A-GD-2—220 volt; A. C.; single phase; 60 cycle	✦930 00 *368 75*
No. A-GD-3—110 volt; D. C.	✦930 00 *368 75*
No. A-GD-4—220 volt; D. C.	✦930 00 *368 75*
No. A-GD-6—250 volt; D. C.	✦930 00 *368 75*

Add for 25, 30 or 40 cycle; ¾ or 1 H.P. A. C. Motors ✦ 78 75

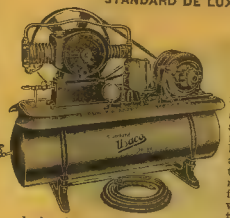
Give complete electrical information in ordering air compressor equipment.

Crated; shipping wt 823 lbs.

✦F. O. B. Ohio Factory Only.

AIR COMPRESSORS

USACO TWO STAGE DE LUXE STANDARD DE LUXE



Automatic and self-contained unit for furnishing air suitable for tires of all sizes and pressures in great volume. Consists of: compressor and motor mounted on metal base with belt and automatic belt tightener, automatic controller, filtering trap, which discharges the oil and moisture, check valve, pressure gauge, (automatic pressure release on A. C. motors only); needle point valve, safety valve, 25 feet of best air hose and automatic air chuck. Complete and ready to run when wired to electric circuit.

Capacity 3¼ cu. ft. per minute; cylinders low 3x3 in. and high 1¼x3 in.; ¾ H. P. motor; diameter pulley 18 ins; 250 R. P. M.

30 Gallon Tank.

Tested to 400 lbs. pressure, suitable for pressure of 200 lbs. Floor space 52x20x39 inches.

	Each
No. A-30-7—110 volts; A. C.; single phase; 60 cycle	✦780 00 *$306 25*
No. A-30-8—220 volts; A. C.; single phase; 60 cycle	✦780 00 *306 25*
No. A-30-9—110 volts; D. C.	✦780 00 *306 25*
No. A-30-10—220 volts; D. C.	✦780 00 *306 25*
No. A-30-12—250 volts; D. C.	✦780 00 *306 25*

Add for 25, 30 or 40 cycle; ¾ or 1 H.P. A. C. Motors ✦ 78 75

Crated; shipping wt 560 lbs.

60 Gallon Tank.

Tested to 400 lbs. pressure, suitable for pressure of 200 lbs. Floor space 52x26x46 inches.

	Each
No. A-60-13—110 volts; A. C.; single phase; 60 cycle	✦840 00 *$331 25*
No. A-60-14—220 volts; A. C.; single phase; 60 cycle	✦840 00 *331 25*
No. A-60-15—110 volts; D. C.	✦840 00 *331 25*
No. A-60-16—220 volts; D. C.	✦840 00 *331 25*
No. A-60-18—250 volts; D. C.	✦840 00 *331 25*

Add for 25, 30 or 40 cycle ¾ or 1 H. P. A. C. Motors ✦ 78 75

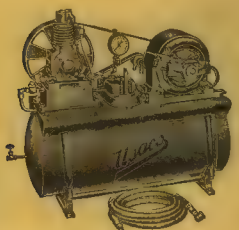
Give complete electrical information in ordering air compressor equipment.

Crated; shipping wt 760 lbs.

✦F. O. B. Ohio Factory Only.

AIR COMPRESSORS

USACO, SINGLE STAGE



Stationary.

Complete with automatic controller, filtering trap, oil level gauge, check, safety and needle valves, air pressure gauge, 25 feet of hose and air chuck. Motors equipped with patented pressure unloader which permits starting without load and is the only device that protects against low voltage and other variations.

Type SA-13.

Capacity tank 20 gallons; ¼ horse power motor; 1½ cubic feet displacement; 2¼ inch cylinder; length 37 inches; width 21 inches; height 40 inches.

	Each
No. A-SA13-7—110 volts; A. C.; Single Phase; 60 cycle	✤534 00 *$210 00*
No. A-SA13-8—220 volts; A. C.; Single Phase; 60 cycle	✤534 00 *210 00*
No. A-SA13-9—110 volts; D. C	✤534 00 *210 00*
No. A-SA13-10—220 volts; D. C	✤534 00 *210 00*
No. A-SA13-11—32 volts; Delco	✤534 00 *210 00*

Crated; ship wt each 407 lbs.

Type SA-15.

Capacity tank 30 gallons; ½ horse power motor; 2¼ cubic feet displacement; 2½ inch cylinder; length 51 inches; width 16 inches; height 33 inches.

	Each
No. A-SA15-7—110 volts; A. C.; Single Phase; 60 cycle	✤570 00 *$225 00*
No. A-SA15-8—220 volts; A. C.; Single Phase; 60 cycle	✤570 00 *225 00*
No. A-SA15-9—110 volts; D. C	✤570 00 *225 00*
No. A-SA15-10—220 volts; D. C	✤570 00 *225 00*

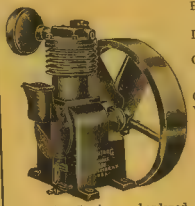
Crated; ship wt each 430 lbs.

✤F. O. B. Ohio Factory Only.

AIR COMPRESSORS

KELLOGG COMPRESSOR ONLY

For Medium Size Service Stations.



Bore—2¼ inch stroke 2 inch single cylinder.

Displacement—2½ cubic feet per minute.

Capacity Tested to 2000 lbs pressure and recommended for 150 lbs.

Cylinder—Air cooled by fins.

Valves—Vanadium steel, heat treated and ground, disc type. No danger of valve or valve part dropping into cylinder and damaging compressor.

Piston—Extra long, fitted with leak proof rings.

Wrist Pin—Steel, case hardened, ground and polished.

Connecting Rod—High carbon steel, heat treated and machined.

Crankshaft—High carbon steel heat treated, case hardened, ground and polished.

All Bearings—Exceptionally large, made of best bearing bronze.

Oiled -By splash method which provides oil at all times.

	Each
No. A-251 T—With tight pulley	✤ 93 00 *$35 00*
No. A-251 TL—With tight and loose pulley *Crated.*	✤117 00 *45 00*

✤F. O. B. New York Factory Only.

Success depends upon your ability to satisfy your customers wants. Be ready to serve the car owner with the things he needs—Pumps, Jacks, Tire Chains, Wrenches, Tires and hundreds of other items.

Between you and the rough road should be HARTFORD TIRES.

There are no better Tires made.

AIR COMPRESSOR EQUIPMENT

CAN BE USED FOR ALL AIR COMPRESSORS

GLOBE NEEDLE VALVES

Solid brass; to be used on air line of air compressors.

Nos.	A-1GV-¼	A-1GV-⅜	A-1GV-½
For pipe, in	¼	⅜	½
Wt each, lbs	⅝	1	1½
Each	$4 65	4 80	6 15

Packed loose.

GLOBE NEEDLE VALVES
For Hose Connection.

Solid brass with threaded female end and hose connection.

Nos.	A-1NV-⅜	A-1NV-½
For pipe, in	⅜	½
Wt each, lbs	1¼	1¾
Each	$7 05	8 25

Packed loose.

RELIEF VALVES

Solid brass. Can be set to hold at any pressure required up to 300 lbs. per square inch. This eliminates accidents from over pressure and furnishes a wide margin of safety. Each

No. A-1NV—Threaded for ⅛ in pipe; wt each ½ lb $6 15

Packed loose.

VERTICAL CHECK VALVES

Solid brass; for use on air compressors.

No.	A-76½
For pipe, in	½
Wt each, lbs	¾
Each	$8 25

Packed loose.

AIR COMPRESSORS

KELLOGG
Stationary.
For Small Service Stations.

Motor—¼ horse power.

Displacement — 1½-2 cubic feet per minute.

Revolutions 350 per minute.

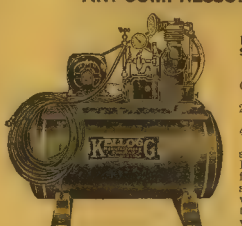
Maximum pressure 150 pounds. Automatic control. Adapted for small garages, gasoline filling stations, tire shops, etc. Completely equipped.

Alternating current, 110-220 volts, 60 Cycles, Single Phase.

Nos.	Bear Cat Model. A-150	Bull Dog Model. A-200
Capacity tank, gals	16	32
Hose furnished, ft	25	20
Wt each, lbs	360	385
Each	480 00	✚560 70
	Crated. *$186 50*	*212 50*

✚F. O. B. New York Factory Only.

AIR COMPRESSORS



KELLOGG
Stationary.
For Medium Size Service Stations.

Motor—½ horse-power. Tank—Capacity,32gallons. Displacement — 2¼ cubic feet. Revolutions — 400 per minute. Maximum pressure 150 pounds. Especially adapted for garages and service stations where air is used on the repair floor as well as for tire filling purposes.

Note—When ordering specify direct or alternating current give voltage, number of cycles and phase.

	Each
No. A-EM-2515-D—Alternating current; 60 cycle; 2 or 3 phase	✚554 40 *$330 00*
No. A-EM-2515-S—Alternating current; 110 volts; 60 cycle; single phase	555 00 *220 00*
No. A-EM-2515-DC—Direct current; 110 volts	✚567 00 *225 00*
No. A-EM-2515-25—Alternating current; 25 cycle; 2 or 3 phase	✚592 20 *235 00*

Crated; ship wt each 295 lbs.

KELLOGG, TWO STAGE HEAVY DUTY, Stationary.

Copper intercooler enclosed in aluminum housing which confines the draft created by the fan blades. The air is delivered to the high pressure cylinder at a low temperature making a very efficient two stage compressor. Ball bearing construction insures a greatly increased efficiency and more air per horse power. Constant level lubrication, combined pump, and splash system eliminating oil from the air prolonging the life of compressor. Oil gauge in plain sight shows the amount of oil always in reservoir of pump. Vanadium steel disc valves positive in action increasing the compressor efficiency. Equipped with combined air filter and starting retort which insures dry air in storage tank providing easy starting of motor. Automatic self adjusting idler pulley keeps the proper tension on belt at all times. Complete with all equipment.

¾ H. P. 32 Gallon Tank. Displacement 4 cu. ft. 325 R. P. M.

	Each
No. A-EM1222SAC—A. C. 60 cycle	✚774 00 *$350 00*
No. A-EM1222SDC—110 volts, D. C.	✚765 00 *355 00*

Crated; wt each 450 lbs.

✚F. O. B. New York Factory Only.

Two Wonderfully Well Selected Assortments of Genuine Utica Pliers

These Two Assortments Are Made up of Quick Moving Utica Pliers. No Left Overs After a Few Sales. Each Plier has Its Demand for Each has Its Work Which the Other Cannot Do So Well. Buy One of these Assortments Now.

Utica Plier Case No. SB37

Made of Selected Solid Oak, Well Finished. Has Glass Door Fitted with Good Lock and Two Keys, Which Permits Removal of Pliers.

Nos.	Size, Ins.	Nos.	Size, Ins.	Nos.	Size, Ins.
024	5	700	7	5001	6NP
21	5½	50	5	5001	8NP
777	5½	50	6	10	6NP
1033	5½	50	7	9	6NP
650	6	50	8	h	6NP
654	5½	1050	8	8	8NP
654	6	41	5	8	10NP
20	5½	41	6	5000	6 Blk
22	5	5000	8NP	60	6
1950	6	5000	6NP	1000	8
1950	7	503	6½NP	1000	10
1950	8	500	6NP	49	7
		5000	5NP		

No. SB37 Assortment

Brings in $44.46

Costs Merchant

Utica Wall Display Case

This is a Very Handsome Oak Case with Hinged Glass Front, Good Lock and Two Keys. Size of Case 24 Inches Wide, 46 Inches High. Mounted in the Case is One Each of the Following Tools:

Nos.	Size, Ins.	Nos.	Size, Ins.	Nos.	Size, Ins.	Nos.	Size, Ins.
20	6	1950	8	42	6	708	7
21	5½	3400	7½	1950	7	6000	7
22	5	777	5½	1950	6	60	8
22	6	888	5½	50	5	60	7
654	5½	024	5	50	6	60	6
655	6	650	5½	50	7	5000	8
40	7	1033	5½	50	8	5000	6
41	5	32	5½	1000	10	5000	5
525	5	11	5½	1000	8	5001	6
1050	5	65	5	1000	6	500	6½
1050	6	42	4	1300	7	502	6
1050	7	42	5	1300	8	1	7
1050	8	42	5½	1300	10	503	6½
				708	6	20	5

No. SB53 Assortment

Brings in $70.95

Costs Merchant

Genuine UTICA PLIERS

Made by THE UTICA DROP FORGE & TOOL CO., Utica, N. Y.

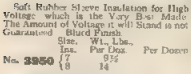
Utica Pliers and Tools are all Drop Forged from the Best Steel Obtainable and the Greatest Care is Exercised in Hardening, Tempering, Grinding and Polishing, so that each Tool is Put Out with the Fullest Confidence that it is as Good as can be Made. We do not Hesitate to Recommend them as Such.

Utica Standard Side Cutting Plier with Insulated Handles for High Voltage

Soft Rubber Sleeve Insulation for High Voltage which is the Very Best Made. The Amount of Voltage it will Stand is not Guaranteed. Blued Finish

	Size.	Wt., Lbs.,	
	Ins.	Per Doz.	Per Dozen
No. 3950	7	9½	
	8	14	

Utica Giant Lap Joint Diagonal Cutting Plier



A Heavy Diagonal Plier for Electricians, Machinists, Automobile Mechanics and General Repair Men. Blued Finish

Per Dozen

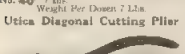
No. 40 7 Ins. Weight Per Dozen 7 Lbs.

Utica Diagonal Cutting Plier

Is Used by Telephone Men, Switchboard Builders and Electricians in Assembling all Kinds of Electrical Apparatus. The Cutting Edges are Designed so they Will Cut Silk Covered Wire Without Injuring the Covering or Bruising the Wire. Blued Finish

	Size. Ins.	Wt., Lbs., Per Doz.	Per Dozen
No. 42	6	2	
	6½	3	
	7	4½	

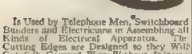
Utica Universal Plier



Its Uses About the House, Office, Workshop, Garage and Barn are Unlimited. It has a Wire Cutter on Each Side of the Joint that Will Cut—Not Mash—the Wire. It also has a Side Cutter for Cutting Large or Insulated Wire. The Barrier Grip has Misled Teeth that Will Grip and Hold Evenly with Very Little Pressure on the Handles. Blued Finish. Per Dozen

No. 700—7 Ins. Weight Per Dozen 8½ Lbs.

Utica Box Joint Slip Joint Plier



This Tool has Many Advantages over the Ordinary Slip Joint Plier. The Jaws Where all the Work is Done are Supported Equally on Both Sides of the Plier. No One Part Twist or Strain on the Rivet or Bolt when Gripping or Cutting. No Large-Headed Bolt and Nut in the Way. Blued Finish. Per Dozen

No. 6000—7 Ins. . . . . Weight Per Dozen 8 Lbs.

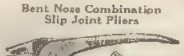
Thin Bent Nose Combination Slip Joint Plier

This is No. 500 with the Curved Nose It Makes it Particularly Adaptable Tool for Automobile Work. Due to Its Construction with the Fixed Head Bolt it Can be Used Even on the Work

No. 502 Size 6, 7 Ins. Per Dozen

Blued Finish
Full Nickel Plate

Bent Nose Combination Slip Joint Pliers



A Bent Nose Combination Plier to do Work in Out of the Way Places Inaccessible with the Regular Straight Nose Plier. It Does the Work Without Twisting the Arms or Cramping the Body. Blue Finish.

	Size Ins.	Per Dozen
No. 5001	6	
	8	

Utica Battary Plier

This is an Ideal Tool for the Battery Service Station and Garage. It is so Designed that the Jaws will take all Types of Connections and not Injure the Top of the Jaws when Making or Removing Connections. Blued Finish. Per Dozen

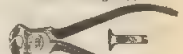
No. 1—Size 7 Ins. . . . . .

Utica Giant Button's Plier

The Original Button's Plier with Fast Wire Cutters. The Two Cutters Between the Jaws are so Designed that the Wire After it is Cut is Held Between the Jaws. Advantage of Handling the Wire with Less Trouble is Evident. The Handle Around a Ideal Grip when the Hand is Wet, Oily or Gloved. Farmers will Find this an Ideal Tool for Use in Cold Climates, as it can be Used Without Taking Off the Glove. Blued Finish.

	Size. Ins	Wt., Lbs., Per Dor	Per Dozen
No. 1000	6	6¾	
	8	10½	
	10	17½	

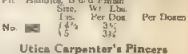
Utica Box Joint Jeweler's End Cutting Nipper



This Nipper is Forged from a Fine Grade of Steel, Carefully Tempered. A Light, Strong End Cutting Nipper Used by Jewelers, Opticians, Electricians and Machinists. Keen Cutting Edges. "Perfect-Fit" Handles. Blued Finish

	Size. Ins.	Wt. Lbs. Per Doz.	Per Dozen
No.	4½	2½	
	5	3½	

Utica Carpenter's Pincers Ball and Claw



Standard Type of Carpenter's Pincers of the Ball and Claw Type, with Strong Sharp Cutting Edges. Favorite with Carpenters and Cabinet Makers. Head is so Designed that it Will Not Injure Face Molding Without Scratching or Marring. Blued Finish

	Size. Ins	Wt., Lbs., Per Doz.	Per Dozen
No. 141	6	7	
	8	11	
	10	17	

UTICA SLIP JOINT SIDE CUTTING COMBINATION PLIER

No. 503

This Pliers differs from the Ordinary Side Cutting Combination Plier, in that it is Designed for the Automobile Mechanic. The Nose is Long and Narrow the Rivet is Flush on Both Sides. No Tightening of Bolt Every Time Pliers is Used. The Cutting Edges Will Cut Clean and Not Mash the Wire

No.	Size, Ins	Finish
503	6	Blued
		Full Nickle Plate

Per Dozen

Utica Slip Joint Combination Plier

This Plier is Designed for the Automobile Mechanic. The Nose is Long and Narrow the Rivet is Flush on Both Sides. No Tightening of Bolt. Blued Finish. Packed

	Size. Ins.	Wt., Lbs., Per Doz.	Finish	Per Dozen Plate
No. 5000	6	5		
	8	6		
	10	8		

Utica Lap Joint Bull Dog End Cutting Nipper

This Nipper is Forged from a Fine Grade of Steel, Carefully Tempered and is a Strong, Easy Cutting Tool. Used by the Carpenter, Shoemaker, Machinist, and Other Mechanics who Require a High Quality End Cutting Nipper that will Hold Its Edge. Blued Finish

	Size. Ins	Wt. Lbs. Per Doz	Per Dozen
No. 60	6	7½	
	8	12	

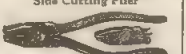
Thin Nose Combination Slip Joint Plier

The Long, Thin Nose of this Plier Enables One to Reach in Deep and Narrow Places and Its Range of Usefulness Far Exceeds the Standard Type of Slip Joint Pliers. It is Furnished Either in the Gun Metal Handles with the Full Polished Head of Full Nickel Plate. Pliers Can be Used on a Much Narrower Place than the Regular Bolt and Nut Type.

No. 800—6½ Ins. Per Dozen

Blued Finish
Full Nickel Plate

Utica Standard Side Cutting Plier



Is the Ideal Tool for Electrical Construction Work. It is Lighter in Weight than the Lineman's Side Cutting Plier but so Skillfully Proportioned that the Handle Will Not Bend or Set when Great Pressure is Exerted on Them. Its Cutting Qualities are Unsurpassed by Any Side Cutting Plier. Blued Finish

	Size. Ins.	Wt. Lbs., Per Doz.	Per Dozen
No. 80	4	2	
	5	3½	
	6	6½	
	7	7½	
	8	10½	

Original Russell Staple Puller Pattern

This is a Good All around Fence Tool. It Drives Staples, Pulls Staples, Cuts Wire, Splices Wire, Straightens Wire and Stretches Wire. It Makes a Good General Farm Tool. It is Forged from a Fine Grade of Steel. It is Guaranteed for All Times. Blued Finish. Per Dozen

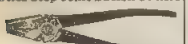
No. 18—10 Ins. Weight Per Dozen 20 Lbs.

Genuine UTICA PLIERS

Made by THE UTICA DROP FORGE & TOOL CO., Utica, N. Y.

Utica Pliers and Tools are all Drop Forged from the Best Steel Obtainable and the Greatest Care is Exercised in Hardening, Tempering, Grinding and Polishing, so that each Tool is Put Out with the Fullest Confidence that it is as Good as can be Made. We do not Hesitate to Recommend them as Such.

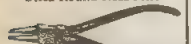
Utica Stop Joint Button's Pliers



This Plier, was Designed to Meet the Demand for a Medium Priced Button's Plier with a Stop Joint. It has Smooth Hand es Finished in Utica Blue. A Good Tool at a Moderate Price Jaws Black Finished

No.	Size. In.	Wt. Lbs. Per Doz.	Per Dozen
300	6	5½	
	8	10¢	
	10	16½	

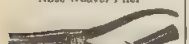
Utica Round Nose Plier



Forged from a Fine Quality of Steel Carefully Tempered Used by Jewelers Opticians, Watchmakers, and in Various Other Kinds of Work Where a Light, High Quality Round Nose Plier, that Rests in the Hand with the Proper "Hang," is Required Bl ued Finish

No.	Size. In.	Wt., Lbs., Per Doz.	Per Dozen
21	4	3½	
	5	2½	
	6	4½	

Utica Concave and Convex Nose Weaver Plier



Great Improvement over the Old Style Weaver Plier Enables one to Straighten Reeds Without Twisting the Hand. The Best Reed s Place Between the Spring Tempered Concave and Convex Jaws and by Pressing the Jaws Firmly Together the reed is straightened Blued Finish

Per Dozen

No. 23—5½ Ins. ..... Weight Per Dozen 3 Lbs.

Utica Lap Joint Long Nose Side Cutting Plier

This Plier is Specially Adapted for Fine Work It is Forged from an Extra Quality of Steel and its Carefully Spring Tempered Nose and Keen Spring Cu ting Edges Make it a Most Desirable Tool for Fine Work Blued Finish

No.	Size. Ins.	Wt., Lbs. Per Doz.	Per Dozen
[illegible]	5½	3	
	6	4	
	7	5	

Utica Wide Jaw Glass Plier

A New High Grade Glass Plier with Jaws that Open Just Right and Will Grasp the Glass Firm by the Full Width of the Jaw The Handles Fit the Hand in its Natural Grasping Position Blued Finish

Per Dozen

No. 2—Size 8 Ins. Weight Per Dozen 12½ Lbs.

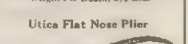
Utica Milliner's Plier

This Plier is a Light Short Chain Nose Plier for Use by Milliners, Hat Frame Makers, and Artificial Flower Makers The Plier has Special Cutting Edges which Will Cut Silk Covered Wire Without Drawing the Silk or Fraying the Wire It Has a Hole in the Handle, fo r Ribbon or a Cord Blued Finish.

Per Dozen

No. 024—5 Ins. ..... Weight Per Dozen, 2½ Lbs.

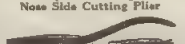
Utica Flat Nose Plier



For Use by Jewelers Watchmakers, Opticians and Mechanics Requiring a High Quality Plier of this Style. Also Used Extensively in Manual Training Classes and Engineering Schools Blued Finish.

No.	Size. Ins.	Wt. Lbs., Per Doz.	Per Dozen
20	4	1½	
	5	2½	
	6	4½	

Utica Lap Joint Long Reach Nose Side Cutting Plier

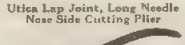


A Long, Flat Nose Side Cutting Plier Indispensable for Working in Deep and Narrow Places Used by Telephone and Switchboard Builders and Electrical Workers of All Kinds The Cutting Edges are Clean and are Guaranteed to Stand Up Blued Finish

Per Dozen

No. 650—5½ Ins. Weight Per Dozen, 3½ Lbs.

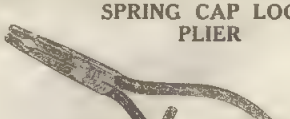
Utica Lap Joint, Long Needle Nose Side Cutting Plier



This Plier is Specially Adapted for Extra Fine Work. It is Forged from an Extra Quality of Steel, and is Carefully Spring Tempered Nose and Keen Strong Cutting Edges Make it a Most Desirable Tool for Fine Work Bleed Finish

No.	Size. Ins.	Wt. Lbs., Per Doz.	Per Dozen
655	5½	3	
	6	4	

A NEW UTICA VALVE PIN AND SPRING CAP LOCK PLIER



No. 340

For the Quick, Sure Removal or Replacement of the Valve Pin or Horseshoe Type Clip Lock on the Valve Stem The End of the Nose has a Special Opening to Fit the Pin Type and Just Back of this is the Oval Opening to Fit the Horseshoe Type.

Per Dozen

No. 340—6½ Ins. ..... Weight About 2 Lbs., 8 Ozs.

Utica Box Joint Flat Jaw Weaver Plier with Scored Jaw French Pattern

Spring Tempered Box Joint Duck Bill Plier For Use by Jewelers, Opticians, Loomfixers, Weavers, Knitters, Radiator Repairmen and on Various Other Kinds of Mis Work Where a High Quality, Spring Tempered Duck Bill, Plier a Used:

No.	Size. Ins.	Wt., Lbs., Per Doz.	Per Dozen
11	5½	4½	
	6½	6¾	

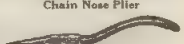
Utica Lap Joint Curved Needle Nose Plier

The Long, Curved, Spring-Tempered Nose Enables one to Use the Plier n Deep or Narrow Places Without Turning or Twisting the Hand, as in Assembling Jigs, Fixtures, Electrical Apparatus, Type writers, etc. Blued Finish.

Per Dozen

No. 653—Size 5½ Ins. Weight Per Dozen 2¼ Lbs.

Utica Lap Joint Extra Long Chain Nose Plier



For Use by Telephone and Typewriter Repair Men, and Auto Mechanics Spring Tempered Nose and "Perfect-Fit" Handles Blued Finish

Per Dozen

No. 3400—6 , Ins Weight Per Dozen 4 Lbs

Utica Lap Joint Long Needle Nose Plier

This Plier has a Long, Half-round, Spring Tempered Nose and is Especially Adapted for Switchboard Work and Assembling Small Electrical Apparatus. Handles are "Perfect Fit." Automobilists will Find this an Ideal Tool to Carry in the Kit for Repairing Inner Tubes, and Inserting Plugs. Blued Finish

Per Dozen

No. 777 5½ Ins. Weight Per Dozen 2½ Lbs

Utica Flat Jaw Loomfixer's Plier

A Long, Slender Spring-Tempered Flat Nose Plier with the Utica "Perfect Fit" Handle. For Use by Loomfixers, Weavers Knitters, and on Various Other Kinds of Mill Work Where a High Quality Spring-Tempered Flat Nose Plier a Used. Bued Finish.

Per Dozen

No. 32 8½ Ins. ..... Weight Per Dozen 3 Lbs.

Utica Lineman's Klein Pattern Side Cutting Plier

A Heavy Lineman s Side Cutting Plier in the Popular Type. Its Sharp, Clean Edges and Correct Shaped Handles, Make it an Ideal Lineman's Plier Blued Finish.

No.	Size. Ins	Wt. Lbs. Per Doz	Per Dozen
1950	6	8¾	
	7	9	
	8	13	
	9	17¾	

Utica Round End Combination Burner Plier

This Burner Plier a Used by Plumbers, Electricians and Machinists. Good All-around Tool. Teeth are Milled. Cutting Edges are Keen and Handles are Designed to Fi t Hand. Blued Finish.

Per Dozen

No. 325—5 Ins Weight Per Dozen 3¼ Lbs.

ICE CREAM FREEZERS.

NEW STANDARD.

Triple Whip Action. Spiral Steel Dasher.

Wood tub with galvanized steel bottom; steel can and inner moving parts all heavily retinned.

Nos.	602	604	606
Capacity, qts.	2	4	6
Wt. each, lbs.	5	11	15
Each	$3 00	5 00	7 00

Double Action, Spiral Motion.

Galvanized iron tub; heavily retinned can and beaters. Unless clamp is ordered, none is sent.

No. 500. Capacity, 1 qt. Shipping wt. doz., 60 lbs. .....Dozen $30 00

Packed 6 in a case.

Clamps for New Standard Freezers.

No. 501. Wt. doz., 10 lbs..Dozen $5 00

AUTO VACUUM.

For Picnics, Excursions, Etc.

Freezes without turning a crank—just put in the cream to be frozen and the ice, and let stand—in half an hour the ice cream is ready to serve, and it will keep for hours without melting as the dead air space between the walls acts like a vacuum.

Quarts	1	2	3	4
Wt. each, lbs..	4	6	8	12
Each	$5 00	6 00	8 00	10 00

ARCTIC.

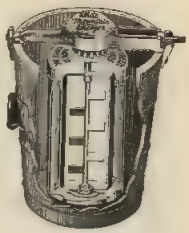
Single Action. Adjustable Scraper.

Inside parts tinned; outside parts galvanized; gearing completely covered.

Qts.	1	2	3
Wt. each, lbs.	6	12	14½
Each	$5 00	6 00	7 00

Qts.	4	6	8
Wt. each, lbs.	16	24	27
Each	$8 00	10 00	14 00

WHITE MOUNTAIN



Triple Motion.

Qts.	1	2	3
Wt. each, lbs.	6	12	14½
Each	$6 00	6 50	7 50

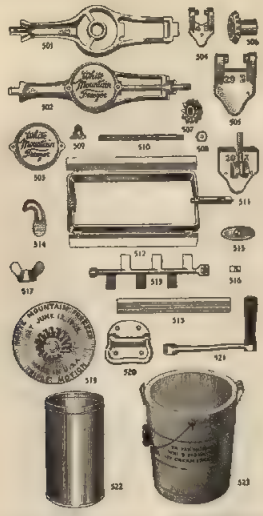
Qts.	4	6	8
Wt. each, lbs	16	24	27
Each	$9 00	12 00	16 00

Hotel-Confectioners'. With Fly Wheel.

Qts.	10	12	15
Wt. each, lbs.	39	64	79
Each	$25 00	30 00	35 00

Qts.	20	25
Wt. each, lbs.	97	126
Each	$45 00	55 00

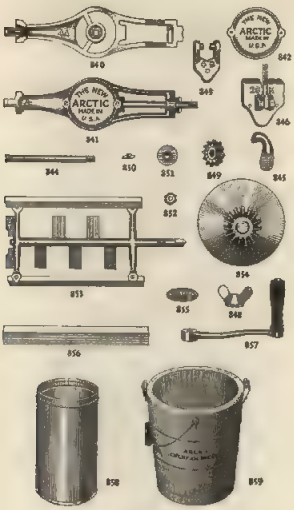
REPAIRS FOR WHITE MOUNTAIN ICE CREAM FREEZERS.



No.		Pat. Let.	QUARTS 1	2	3	4	6	8	10	12	15	20	25
501	Gear case, blank	M	$0 60	1 05	1 15	1 30	2 20	2 50	2 80	4 75	5 10	5 30	6 70
502	Gear case, complete with all parts	..	1 60	2 50	2 65	2 80	4 70	5 00	5 45	9 85	10 40	10 95	14 10
503	Cap for gear case	L	18	34	34	34	68	68	68	1 05	1 05	1 13	1 18
504	Small tub ear on side next to crank	B	22	38	38	38	48	48	48	.....	.....	.....	.....
505	Large tub ear (12 to 25 qts. only)	B	.....	.....	.....	.....	.....	.....	.....	1 50	1 50	1 70	1 70
506	Upper gear with square hole for dasher stem	D	28	50	50	50	1 04	1 04	1 04	1 70	1 70	2 20	2 20
507	Pinion gear at end of crank shaft	T	20	34	34	34	58	58	58	1 02	1 02	1 36	1 36
508	Small nut on crank end of driving shaft (12 to 14 qts. only)	..	.....	.....	.....	.....	.....	.....	.....	14	14	14	14
509	Dasher support inside of can	..	18	22	22	22	28	28	28	.....	.....	.....	.....
510	Driving shaft	..	20	22	28	34	50	56	64	1 02	1 10	1 22	1 68
511	Large tub latch with special bolt on side opposite crank (12 to 25 qts. only)	K	.....	.....	.....	.....	.....	.....	.....	1 20	1 20	1 30	1 30
		..	.....	.....	.....	.....	.....	.....	.....	40	40	40	40
511½	Special bolt only, for large tub latch (see No. 511)	H	52	70	88	1 06	1 48	1 76	2 30	2 65	2 82	3 70	4 58
512	Outer mixer with wood scrapers	F	36	42	52	64	78	98	1 42	1 94	2 12	2 46	3 52
513	Inner mixer	..	14	18	18	18	18	18	18	.....	.....	.....	.....
514	Small tub hook opposite side from crank	U	14	18	18	18	18	18	18	30	30	36	36
515	Iron centerpiece in bottom of tub	..	10	14	14	14	14	14	14	18	18	22	22
516	Can lug soldered to inside at top of can	..	.....	.....	.....	.....	.....	.....	.....	22	22	22	22
517	Wing nut for latch bolt (12 to 25 qts only)	..	.....	.....	.....	.....	.....	.....	.....	23	23	42	42
518	Wooden scraper bar	..	10	14	14	14	18	18	18	.....	.....	.....	.....
519	Lid or can cover, iron as used in freezer	X	60	75	80	1 00	1 10	1 40	2 12	3 28	3 36	3 58	4 20
519½	Lid or can cover, tin as used for packing (not illustrated)	..	60	75	80	1 00	1 10	1 40	1 50	1 80	2 20	2 50	3 50
		..	.....	.....	.....	.....	.....	.....	50	50	50	65	65
520	Drop handle, complete for tub (10 to 25 qts only)	..	34	50	65	65	84	84	84	1 72	1 72	1 98	1 98
521	Crank	..	72	1 18	1 32	1 60	2 26	2 80	3 98	5 72	6 26	7 76	10 30
522	Can, less lid (Freezer cans, less lids, will be shipped on all orders not otherwise specified)	..	1 24	1 94	2 30	2 74	3 24	4 02	5 70	6 42	7 44	9 30	11 90
523	Tub with fittings	..	.....	.....	.....	.....	.....	.....	.....	2 50	2 70	2 96	3 19
524	Can bottom, cast iron (12 to 25 qts. only) not illustrated	W	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Note: Give pattern letter on casting and figure or figures before it, also catalog number with name of part and size of freezer and specify for New Design White Mountain freezer.

REPAIRS FOR ARCTIC ICE CREAM FREEZERS.



No.		Pat Letter	QUARTS 1	2	3	4	6	8	10	12	15	20
840	Gear case, blank	A	$0 60	80	95	1 10	1 50	1 60	2 30	3 25	3 55	4 70
841	Gear case, complete with all parts		1 15	1 30	1 50	1 60	2 05	2 25	3 00	5 0.	5 9	7 75
842	Cap for gear case	V	18	34	34	34	68	68	68	1 05	1 05	1 18
843	Tub ear on side next to crank	B	22	38	38	38	48	48	48	1 50	1 50	1 70
844	Driving shaft		20	22	28	34	50	56	64	1 02	1 10	1 22
845	Small tub hook opposite side from crank		14	18	18	18	18	18	18	....	.....	....
846	Large tub latch with special bolt on opposite side from crank (12 to 20 qts. only)	K								1 20	1 20	1 30
847	Special bolt for large tub latch (12 to 20 qts. only) see No. 846									40	40	40
848	Wing nut for latch bolt (12 to 20 qts. only)									22	22	22
849	Pinion gear at end of crank shaft	T	20	34	34	34	58	58	58	1 02	1 02	1 36
850	Can lug soldered to inside of top of can		10	14	14	14	14	14	14	18	18	22
851	Dasher support inside of can		18	22	22	22	28	28	28	....	.....	.....
852	Small nut on crank end of driving shaft (12 to 20 qts. Only									14	14	14
853	Mixer complete with wood scrapers	R	32	50	68	86	96	1 10	1 58	2 58	2 70	4 16
854	Lid or can cover	Y	60	75	80	1 00	1 10	1 40	2 12	3 28	3 36	3 58
855	Iron centerpiece in bottom of tub	U	14	18	18	18	18	18	18	30	30	36
856	Wooden scraper bar		10	14	14	14	18	18	18	28	28	42
857	Crank		34	50	65	65	84	84	84	1 72	1 72	1 98
858	Can less lid		72	1 18	1 32	1 60	2 26	2 80	3 98	5 72	6 26	7 76
859	Tub with fittings		1 24	1 94	2 30	2 74	3 24	4 02	5 76	6 42	7 44	9 30
860	Can bottom, cast iron (12 to 20 qts. only) not illustrated	P	....	....	....	....	....	....	....	2 50	2 70	2 96

Note: In all instances possible give the pattern letter on casting and the figure or figures before it, also the registered catalog number with description of part and size of freezer for which part is wanted and state that same is for the New Design Arctic Freezer.

KITCHEN CABINETS

MADE OF WOOD

No. F6E-15E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base cupboard is equipped with Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all doors and drawers.

Height 70 in., width 40 in., depth 26 in., w't each 225 lbs.

No. F6E15E—All White Enameled★.....each *$63.00*
No. F6-15—Golden Oak Finish★.....each *57.00*
No. F6G-15G—Satin Gray Enamel★.....each *65.00*

No. F52E 19E.

Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment. Large Size Lowering White Enameled Metal Sifter Flour Bin. Metal Pastry Cooler. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base Cupboard is equipped with Sliding Sanitary White Enameled Metal Tray. Sliding Metal Shelf and Pan Racks. Porcelain Sliding Top. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers H't 70 in., wdth 56 in., dph 27 in., crtd w't 320 lbs.

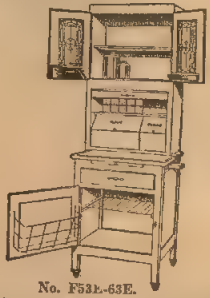
No. F52E-19E—All White Enameled★..each *$116.00*
No. F52G-19G—Satin Gray Enamel★..each *120.00*
No. F52-19—Golden Oak Finish★.....each *108.00*

No. F50E-15E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Top of White Porcelain. Special Bracket and block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base cupboard is equipped with Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all doors and drawers.

Height 70 in., width 40 in., depth 25 in., w't each 230 lbs.

No. F50E-15E—All White Enameled★..each *$66.00*
No. F50G-15G—Satin Gray Enamel★ each *68.00*
No. F50-15—Golden Oak★ .....each *60.00*



No. F53E-63E.

Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment. Metal Flour Bin with Lid. Metal Sugar Bin with Lid. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Base Cupboard equipped with Metal Shelf and Pan Rack. Base has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers. Height 70 in., width 23 in., depth 18 in., crated w't 150 lbs.

No. F53E-63E—All White Enameled★..each *$45.00*
No. F53G-63G—Satin Gray Enamel★...each *47.00*
Without Glassware, Flour and Sugar Bins, Trays, Pan Rack, Wire Shelf or Meat Chopper Block.
No. F53EB-63EB—All White Enamel★..each *$39.00*
No. F53GB-63GB—Satin Gray Enamel★ each *41.00*

★Items Marked Thus ★ Are Shipped F.O.B. No. Ind. Factory Only.

KITCHEN CABINETS

MADE OF WOOD

Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment. Lowering White Enameled Metal Sifter Flour Bin. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid.

No. F8E-18E.

Base Cupboard is equipped with Sliding Metal Shelf and Pan Rack. Porcelain Sliding Top. BASE has complete 3-ply bottom with substantial framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., width 36 in., depth 19 in., crated w't 200 lbs.

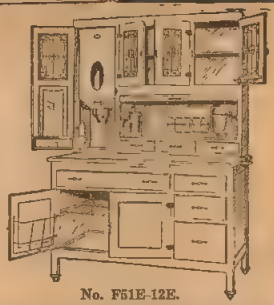
No. F8E-18E—All White Enameled★...each *$62.00*
No. F8G-18G—Satin Gray Enamel★...each *64.00*
No. F8-18—Oak Finish★.....each *58.00*

No. F56E-12E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and Cut-off, one Coffee, one Tea and five Spice Jars. Large size Lowering White Enameled Metal Sifter Flour Bin with Glass covered clear view opening. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Metal Sliding Lid. Base cupboard is equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Racks. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Divided Large Cutlery Drawer over Base Cupboard. Ant-proof Casters. Dust proof Lip Construction on all doors and drawers.

Height 70 in., width 48 in., depth 27 in., w't each 300 lbs.

No. F56E-12E—All White Enameled★..each *$94.00*
No. F56-12—Golden Oak Finish★.....each *98.00*
No. F56G-12G—Satin Gray Enamel★...each *96.00*



No. F51E-12E.

BASE Cupboard is equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Racks, Porcelain Sliding Top. Base has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Height 70 in., width 48 in., depth 28 in., crated w't 300 lbs.

No. F51E-12E—All White Enameled★..each *$96.00*
No. F51-12—Golden Oak Finish★.....each *90.00*
No. F51G-12G—Satin Gray Enamel★...each *98.00*

No. F5E-14E.

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar equipment consisting of Swinging Sugar Bin with Metal Cap and Cut off, one Coffee, one Tea and five Spice Jars, Large Size Lowering White Enameled Metal Sifter Flour Bin with Glass covered clear view opening. Full Sliding Top of White Porcelain. Special Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Metal Sliding Lid. Base cupboard is equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Rack. Drawers are finished inside. BASE has complete 3-ply bottom with substantial built-up framework underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers. Divided Large Cutlery Drawer over Base Cupboard.

Height 70 in., width 40 in., depth 25 in., w't each 240 lbs.

No. F5E-14E—All White Enameled★ each *$78.00*
No. F5-14—Golden Oak Finish★.....each *70.00*
No. F5G-14G—Satin Gray Enamel★....each *76.00*

★Items Marked Thus ★ Are Shipped F.O.B. No. Ind. Factory Only.

WOOD CABINET BASES

No. F31-TE

Sliding Metal Shelf. Metal Pan Rack on Door. Ant-proof Casters. Porcelain Top 42×27 in. Height 32 in. Crated weight 140 lbs.

No. F31-TE—All White Enameled★.....each *$38.00*
No. F31-T—Golden Oak Finish★.....each *39.00*

No. F32-TE

Handy Stool Attachment included. Back is finished same as front and ends. Porcelain Top 42×27 in. Height 31 in. Crated weight 125 lbs.

No. F32-TE—All White Enameled★.....each *$40.00*
No. F32-TG—Satin Grey Enamel★.....each *41.00*

UTILITY CABINETS
MADE OF WOOD

Interior White Enameled same as outside. **Full Post** Construction, with 3-ply paneled door, ends, back and bottom. Equipment consists of four 6-inch depth shelves, door basket with hooks, broom holder, nickeled trimmings, ant-proof casters. Height 70 in. Width 22½ in. Depth 16 in. Crated weight 110 lbs.

No. F525—All White Enameled★.....each *$31.00*
No. F525G—Satin Gray Enameled★.....each *31.00*

UTILITY CABINETS
MADE OF WOOD

Interior White Enameled same as outside. Full Post Construction, with 3-ply paneled door, ends, back and bottom. Equipment consists only of one drawer, three full-depth shelves, nickeled trimmings and ant-proof casters. Height 52 in. Width 22½ in. Depth 16 in. Crated weight 90 lbs.

No. F545—All White Enameled★.....each *$28.00*
No. F545G—Satin Gray Enamel★.....each *29.00*

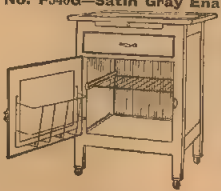
No. F530

Interior White Enameled same as outside. Full Post Construction, with 3-ply paneled door, ends, back and bottom. Nickeled trimmings, and ant proof casters. Height 70 in. Width 22½ in. Depth 16 in.

No. F530—All White Enameled, equipment consists only of five full depth shelves, crated weight 120 lbs., each★ *$32.00*
No. F530G—Satin Gray Enamel★.....each *$33.00*

With only one full-depth shelf, on which sliding garment carrier is fastened. Crated weight 105 lbs.

No. F540—All White Enameled★.....each *$30.00*
No. F540G—Satin Gray Enamel★ .....each *31.00*

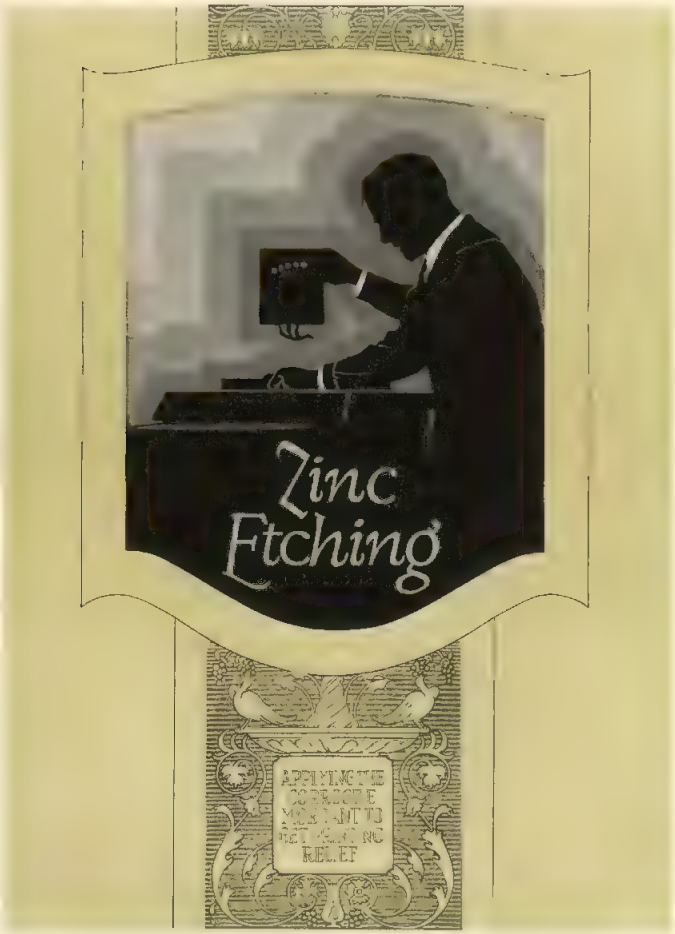


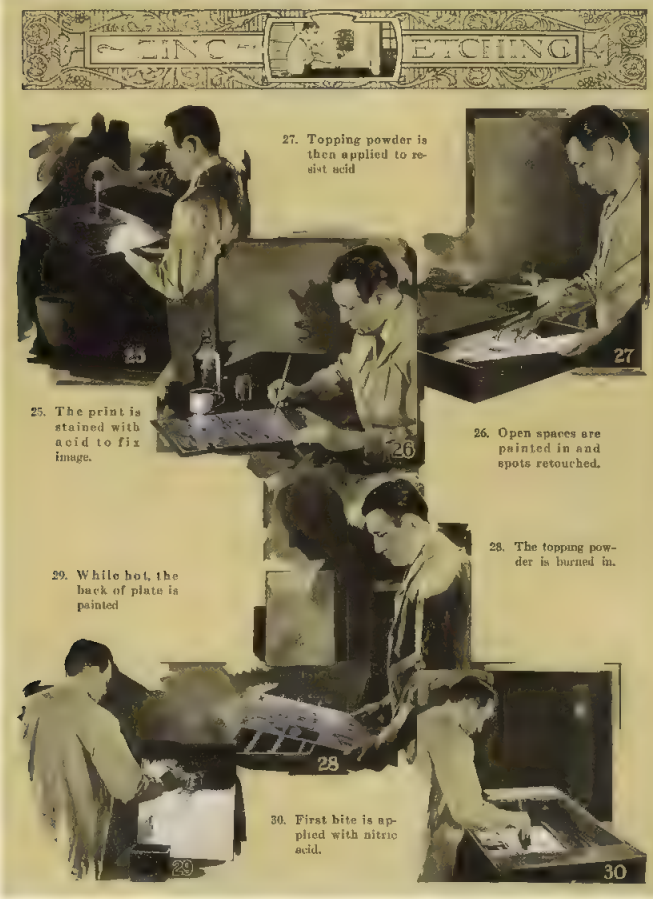
Sliding Metal Shelf. Metal Pan Rack on Door. Ant-proof Casters. Porcelain Top 24×20 in. Height 32 in., w't crated 75 lbs.

No. F63-TE—All White Enameled, each★ *$22.00*

No. F63-TG—Satin Gray Enamel, each★ *$23.00*

★Items Marked Thus ★ Are Shipped F.O.B. No. Ind. Factory Only.


Zinc
Etching


ZINC ETCHING
27. Topping powder is then applied to resist acid
25. The print is stained with acid to fix image.
26. Open spaces are painted in and spots retouched.
28. The topping powder is burned in.
29. While hot, the back of plate is painted
30. First bite is applied with nitric acid.
25
26
27
28
29
30

31. After each bite, the plate is powdered four ways.

32. Each powdering is followed with burning-in.

33. The plate is rapidly cooled.

34. Etching machine in operation.

35. The etched plate is cleaned with lye.

36. A chamois is used to mop plate dry.

·1847 ROGERS BROS·
SILVERPLATE

AMBASSADOR
PATTERN

Grey Finish

Correct in outline and original in decoration, Ambassador is one of the most popular patterns ever designed

Six in Box. Prices per Piece

8401	Tea Spoons	$7.18
8402	Dessert or Oval Soup Spoons	17.71
8403	Table or Serving Spoons	18.36
8404	Soup Spoons, round bowl	18.36
8405	Dinner Forks, flat	15.87
8406	Dessert or Luncheon Forks, flat	17.71

84005 Bouillon Spoons, in blue velvet lined box, set of six $8.87

Dessert Fork
Flat Handle

Tea Spoon

Soup Spoon
Round Bowl

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

84401s	Dinner Knives, Stainless Blades	$31.50	84404s	Dessert or Luncheon Knives, Stainless Blades	$30.62
8440[illegible]	Dinner Knives, Plated Blades	28.70	84404	Dessert or Luncheon Knives, Plated Blade	28.42
8441[illegible]	Breakfast Knives, Stainless French Blade	31.40			
8441	Breakfast Knives, Plated Blades	28.70	84417	Dessert or Luncheon Forks	28.42
84416	Dinner Forks	28.70			

Forged Solid Handles, Six in Gift Box, Prices per Dozen

8441[illegible]s	Dinner Knives, Stainless French Blades	$18.25	8441[illegible]s	Dessert or Luncheon Knives	$14.06
8441[illegible]	Dinner Knives, Plated Blades	15.00	8441[illegible]	Dessert or Luncheon Forks	12.76
	8441[illegible] Dessert or Luncheon Knives, Plated Blades	$13.75			

Dessert Knife
Hollow Handle
Stainless Blade

Modelet Handles, Six in Ruched Box, Prices per Dozen

8451s	Dinner Knives, Stainless Blades	$21.16	84451	Dinner Knives, Plated Blades	$14.98
	8445[illegible] Dessert or Luncheon Knives, Plated Blades	$12.72			

1847 ROGERS BROS.
SILVERPLATE

AMBASSADOR

Extra pieces in Velvet Lined Gift Boxes without extra charge

84307 Butter Knife, not Hollow Handle, each $1.54

84037 Sugar Shell, each $1.54

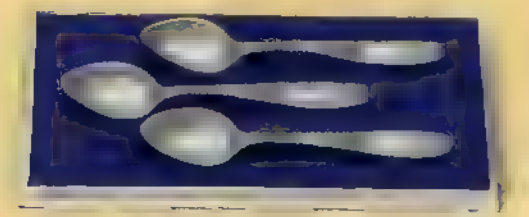
84013 Olive Spoon, each $2.14

84108 Pickle Fork, short, each $1.84

84302 Butter Spreaders, set of six $7.68

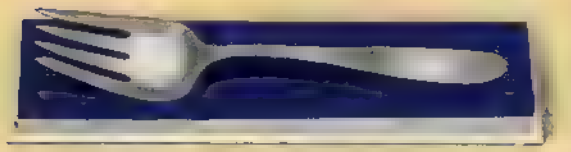
84301 Butter Knife and Sugar Shell, per set $3.06

84111 Salad Fork, individual, set of six $6.18
84106 Pickle Pastry Forks, set of six $6.18



84014 Orange or Grape Fruit Spoons, set of six $6.47

84252 Cucumber or Tomato Server, each $3.95

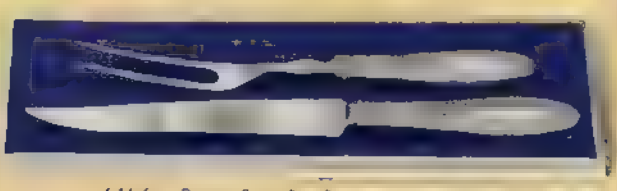


84103 Cold Meat Fork, long, each $2.46
84106 Cold Meat Fork, short handle, each $2.34

84237 Cream Ladle, each $3.08
84238 Cream Ladle, each $2.46
84228 Oyster Ladle, each $2.74
84229 Medium Ladle, each $2.20

84063 Berry or Salad Spoon, Hollow Handle, each $5.26
84064 Berry, Salad, or Preserve Spoon, each $3.48

84235 Pastry Ice Cream Server, Hollow Handle, each $7.52



84146 Bread or Steak Set, 2 pieces, per set $13.34
84147 Bread or Steak Set, 3 pieces, per set $19.74
84148 Carving Set, 2 pieces, per set $15.34
84149 Carving Set, 3 pieces, per set $20.54

Nickel Silver, Silver Soldered, Hollow Handles, Stainless Blades

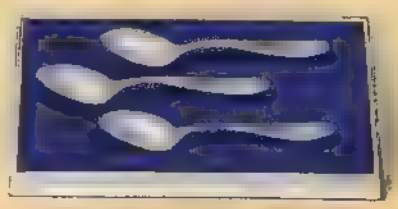
C-426

INTERNATIONAL SILVER CO.

·1847 ROGERS BROS·
SILVERPLATE

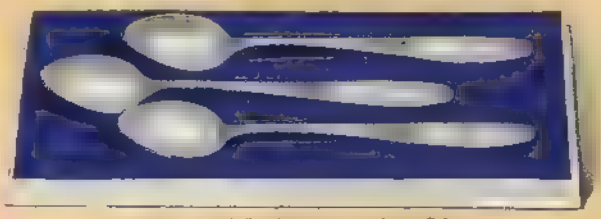
Fancy pieces in Velvet Lined Gift Boxes without extra charge

AMBASSADOR

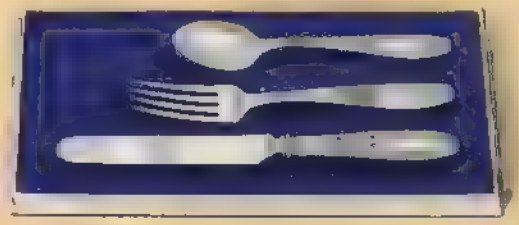


84008 Coffee Spoons, set of six $4.59

84001 Baby Spoon, bent handle, each $1.22



84012 Iced Tea Spoons, set of six $7.36



84353 Child's Set, 3 pieces, Hollow Handle Knife, per set $4.30
84356 Child's Set, 3 pieces, Solid Handle Knife, per set $3.06
84352 Child's Set, 2 pieces, per set $1.60

84253 Dessert Server, each $5.22

84483a Six each Solid Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $19.32
84483 Above Knives with Plated Blades, per set $15.70
84484 Dessert Knives with Plated Blades, per set $13.24
84481a Six each Solid Handle Dinner Knives, Stainless French Blades, and Dinner Forks, per set $15.60
84481 Above Knives with Plated Blades, per set $14.06
84482 Dessert Knives with Plated Blades, per set $12.76

84204 Jelly Knife or Server, each $2.14

84304 Baby Spoon and Fork, short handles, per set $2.46
84002 Baby Spoon, short handle, each $1.22
84101 Baby Fork, short handle, each $1.22

84251 Cheese Server, hollow handle, each $3.38

84105 Ice Cream Forks, set of six $7.36

84106 Oyster Forks, set of six $5.52

84421a Six each Hollow Handle Dinner Knives, Stainless Blades, and Flat Dinner Forks, per set $21.52
84421 Above Knives with Plated Blades, per set $23.54
84427a Dessert Knives with Stainless Blades, per set $24.18
84422 Above Knives with Plated Blades, per set $23.08
84423a Six each Hollow Handle Breakfast Knives, Stainless French Blades, and Flat Dinner Forks, per set $21.52
84423 Above Knives with Plated Blades, per set $23.54

c 6-46

1847 ROGERS BROS.
SILVERPLATE

ANCESTRAL
PATTERN

Grey Finish

THE airy grace of the Louis XVIth period has been the inspiration for Ancestral Pattern—one of the finest in this fine silverplate

Tea Spoon

Six in Box, Prices per Dozen

8601	Tea Spoons	$9.18
8602	Dessert or Oval Soup Spoons	7.74
8603	Tablespoons	[illegible]
8604	Soup Spoons	[illegible]
8605	Dinner Forks	13.56
8606	Dessert or Luncheon Forks	[illegible]

86005 Assortment Spoons in Blue velvet lined box, 1/2 doz. $36.87

Dessert Fork
Flat Handle

Hollow Handles, Nickel Silver Silver Soldered, Six in Flannel Roll, Prices per Dozen

8646	Dinner Knives, Stainless French Blades	$31.50
8647	Dinner Knives, Plated Blades	[illegible]
8648	Dessert or Luncheon Knives, Stainless Blades	[illegible]
8649	Dessert or Luncheon Knives, Plated Blades	28.42
8650	Dinner Forks	35.70
8651	Dessert or Luncheon Forks	28.42

Table Spoon

Embossed Solid Handles, Six in Packed Box, Prices per Dozen

8647	Dinner Knives, Stainless French Blades	$18.25
8647	Dinner Knives, Plated Blades	13.06
8644	Dessert or Luncheon Knives, Plated Blades	12.76

Dinner
Knife, H H
Stainless French Blade

INTERNATIONAL SILVER CO.

·1847 ROGERS BROS·
SILVERPLATE

ANCESTRAL

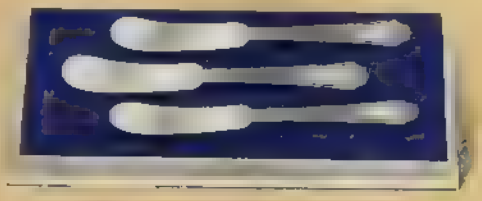
Fancy pieces in Velvet Lined Gift Boxes without extra charge

86201 Butter Knife, bent handle, each $1.54

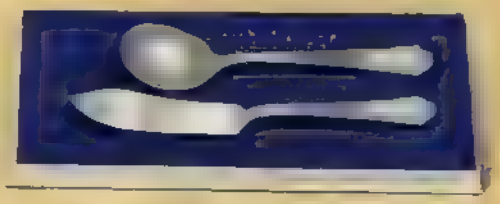
8601[illegible] Sugar Shell, each $1.54

86043 Olive Spoon, each $2.13

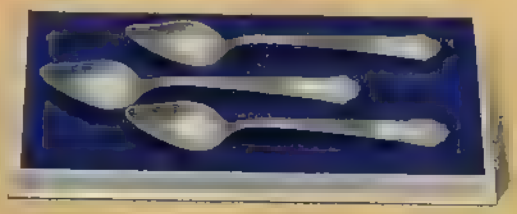
8610[illegible] Pickle Fork, short, each $1.84



86[illegible] Butter Spreaders, set of six $7.[illegible]



86301 Butter Knife and Sugar Shell, per set $3.0[illegible]



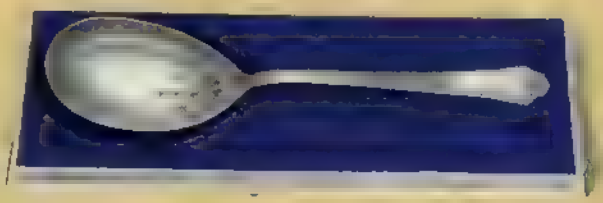
86[illegible] Orange or Grape Fruit Spoons, set of six $[illegible].45

8611 Salad Forks, individual, set of six $7.28
86107 Pastry Forks, set of six $7.[illegible]8

86252 Cucumber or Tomato Server, each $3.[illegible]5

8613 Cake or Meat Fork, large, each $2.46
86104 Cake or Meat Fork, small, each 2.14

86227 Gravy Ladle, each $3.0[illegible]
86226 Cream Ladle, each 2.4[illegible]
86225 Medium Sauce Ladle, each 2.20



86003 Berry or Salad Spoon, large, each $3.[illegible]
86004 Berry or Salad Spoon, small, each 3.[illegible]

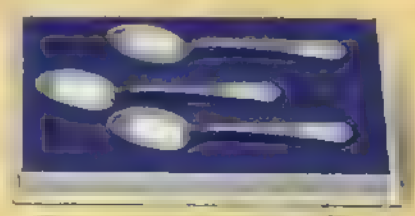
86254 Pie or Cake Server, solid Blade, each $5.52

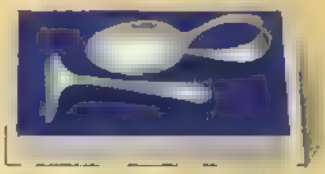
864[illegible] H H Butter Spreader Set, 2 pieces, Stainless Blade, per set $10.[illegible]
864[illegible] H H Butter Spreader Set, 4 pieces, Stainless Blade, per set [illegible]
864[illegible] H H Cheese Set, 2 pieces, Stainless Blade, per set $15.[illegible]
8[illegible]6 H H Carving Set, 3 pieces, Stainless Blade, per set $2[illegible].[illegible]

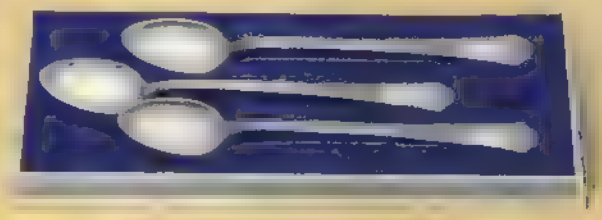
·1847 ROGERS BROS·
SILVERPLATE

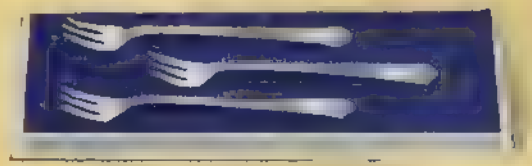
Fancy pieces in Velvet Lined Gift Boxes without extra charge

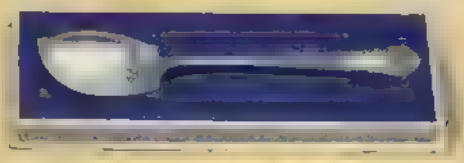
ANCESTRAL

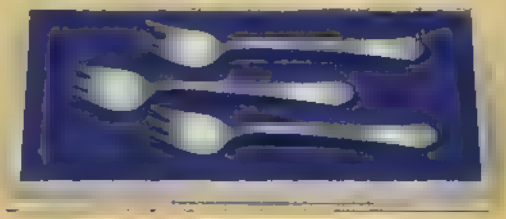












ALVIN SILVER

Long-Life Plate

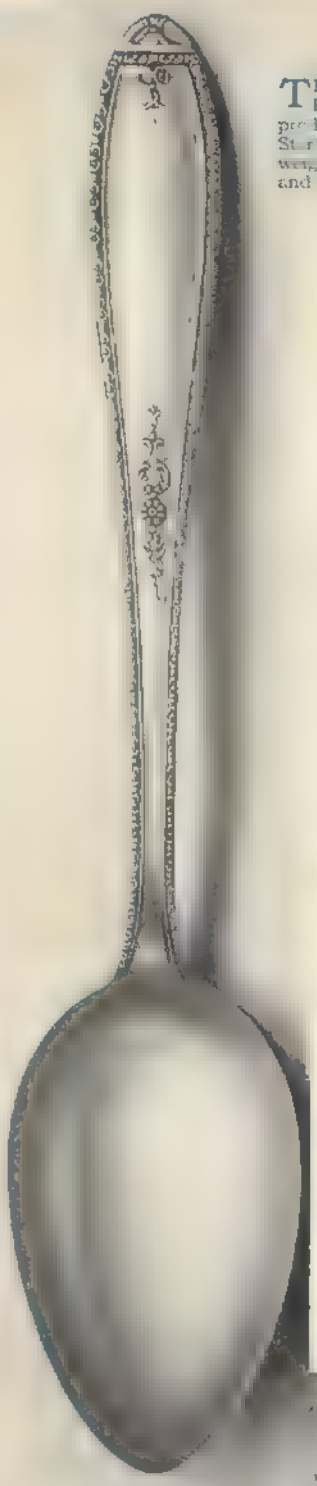
LOUISIANA

GRAY FINISH

THE following illustrations show our "Long Life" Quality Plate which will stand the most particular stone... It is produced with the same care, skill and attention to detail as Sterling Silver. Each piece is heavily plated with a special alloy, then a thickness of pure silver to resist the hardest wear and tarnish ...

This handsome velvet lined Gift Case will be furnished *free* with 26, 29, 32 or 39 piece combinations

26, 53, 65 and 90 piece chests in Cedar or Mahogany. See seventh page following for prices



ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost

ALVIN SILVER

Long-Life Plate

COLD MEAT FORK

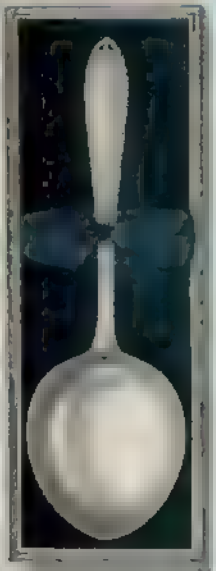
TOMATO SERVER

JELLY SERVER

SALAD SERVING FORK

PICKLE OR OLIVE FORK

ASTER SERVER


BERRY SPOON

NO. SALAD FORKS

SUGAR SHELL

OLIVE SPOON

CHEESE FORKS

CHEESE SERVER

BUTTER KNIFE

OYSTER FORKS

LOUISIANA

GRAY FINISH

BUTTER SPREADERS

Pieces Not Illustrated

ORANGE OR GRAPE FRUIT SPOONS

ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost

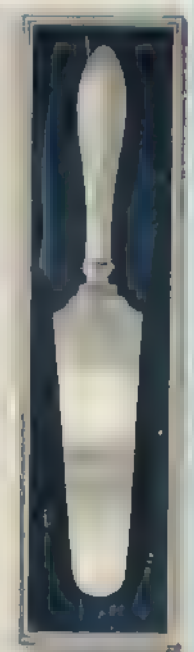
ALVIN SILVER

Long-Life Plate

KNIFE AND FORK SET

FIVE O'CLOCK TEAS

TWENTY KNIVES



PIE SERVER

SIX ORANGE KNIVES

3 PIECE SERVING SET

TEA SPOONS

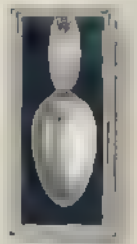
BUTTER KNIFE AND SUGAR SHELL

LADLES

LOUISIANA

GRAY FINISH

CARVING SETS



BABY SPOON

SALAD ONLY

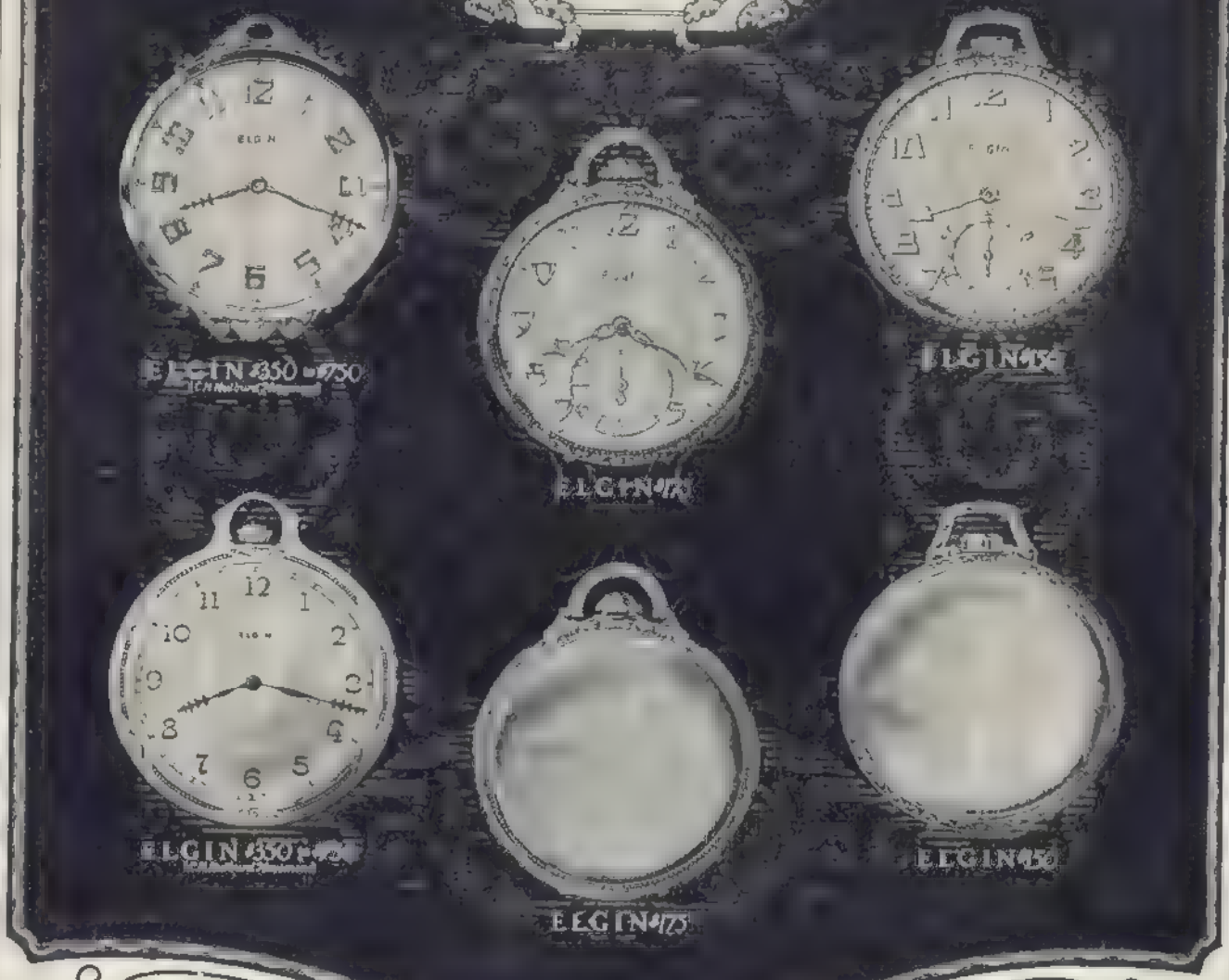
BABY SET

ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

ELGIN

The watchword for Elegance and Efficiency



Elgin, $350 to $750 Watches

The Product of The Master Genius Hand

This series embodies the 19-Jewel C. H. Hubbuch Movement. All watches of this series are extremely thin models. Eight adjustments within exceptionally narrow limits, make for remarkably accurate time-keeping. Models of very finest materials. Finished by Master Craftsmen. Cases in a variety of exquisite distinctive designs—no two alike. Unusual and exclusive. In white gold, yellow gold and platinum. Dials and hands selected to harmonize. Each watch delivered in a handsome jewel box.

Retail price ranges from $350 to $750 depending upon character of case.

If you can deserve upon a specific sum you wish to expend, let us send one or more upon approval. Lowest wholesale prices assured.

GIFTS THAT LAST

Elgin $175.00 Watch

Series 1 12 Size thin model Elgins; 21 Jewels Lord Elgin Movement. 8 Adjustments. Finest craftsmanship throughout. Sterling Silver dial with beautiful new relief matt finish and hands designed in harmony with the raised gold numerals. Two Consecutive models in 14 Karat Solid Gold Dust Cases. Fitted with choice of White or Green Gold as desired.

Each comes in a handsome individual gift box.

No. 4000	White Gold. Each...	$249.40
No. 4001	Green Gold. Each ...	249.40

Prices Quoted Are For Complete Watch Each in Finest Presentation Case

Elgin $150.00 Watch

The Classic Series of 12 Size thin model Elgins presents the 19 Jewel Lord Elgin Movement with 8 adjustments and exquisite workmanship throughout.

The New Classic case of original design, is beautifully balanced and comes in 14 Karat White Gold, 14 Karat Green Gold and 14 Karat Yellow Gold. The back is matte finish, harmonizing with the fine border engravings as illustrated. The dial is sterling silver with raised gold numerals and hands that complement the dial design. Classic models come in handsome gift boxes.

PRICES ARE FOR COMPLETE WATCH

No. 4002	White Gold. Each	$213.80
No. 4003	Green Gold. Each	213.80
No. 4004	Yellow Gold. Each	213.80

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission

ELGIN

The watch insured for Elegance and Efficiency

ELGIN, $100

12 SIZE, Extra-thin, exceptional time-keeping quality, in a slender model. Has the famous G. M. Wheeler Movement, 17 Jewels, 6 Adjustments. Cased and timed at the factory, in an Engraved 14 Karat White Gold Cap Case of new design.

No. 4005 List Price $142.60

ELGIN, $100

Engraved 14 Karat Green Gold Cap Case of new design

No. 4006 List Price $142.60

GIFTS THAT LAST

ELGIN, $100 CUSHION

12 SIZE, Extra-thin, exceptional time-keeping quality, in a slender model. Has the famous G. M. Wheeler Movement, 17 Jewels, 6 Adjustments. Cased and timed at the factory, in an Engraved 14 Karat White Gold Case of new design

No. 4007 List Price $142.60

Prices quoted are for the complete watch.
Each watch comes in handsome Gift Box for Presentation Purposes

ELGIN, $75

12 SIZE. This thin modeled Movement has 17 Jewels and 3 Adjustments. It is very attractively cased in a 14 Karat Solid White Gold Cap Case of special design. Cased and timed at the Elgin factory.

No. 4008 List Price $106.90

ELGIN, $75

14 Karat Solid Green Gold Cap Case of special design.

No. 4009 List Price $106.90

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission.

ELGIN

The watchword for Elegance and Efficiency

ELGIN. $60

14 Karat Solid White Gold Engraved Case, Silver Butler Dial.

No. 4010 *List Price* ...$85.40

ELGIN $40 *Style A*

14 Karat, White Gold-filled Case

No. 4011 *List Price*.....$60.00

14 Karat, Green Gold-filled Case

No. 4012 *List Price*.....$60.00

ELGIN $40 *Style* 27

14 Karat, Green Gold-filled, Bassine Case, Green Butler Dial

No. 4013 *List Price*.....$60.00

GIFTS THAT LAST

When Ordering The Elgin $40 Watch You Have The Choice Two Styles Of Fancy Bows As Shown Styles "A" And "B" Above Please State Preference You Also Have The Choice Of Five Patterns Of Fancy Backs As Illustrated

Styles Nos. 22 23 24 25 and 26 Please state preference

Each Watch Comes put up in a handsome display box for presentation purposes

List Prices are for Complete Watch

ELGIN, $50

14 Karat, White Gold-filled Cushion Case, Silver Butler Dial

No. 4014 *List Price* . . $71.30

ELGIN $40 *Style B*

14 Karat White Gold-filled Case

No. 4015 *List Price* . $60.00

14 Karat, Green Gold-filled Case

No. 4016 *List Price*.. $60.00

Fancy back cases, styles Nos. 22 23 24 25 and 26 are 14 Karat White or Green Gold-filled cases of special design and can only be had in the Elgin $40 Style B Watch. No extra charge

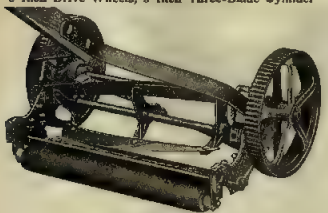
ELGIN'S $60, $50, and $40 Watches have the same grade of movement, 12 size 17 Jewel and 3 adjustments, and are extra thin models. These watches are exceptional time-keepers, supplied with special silver dials and very attractive cases of special design.

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission.

LAWN MOWERS

PRINCETON BALL BEARING

8 Inch Drive Wheels, 5 Inch Three-Blade Cylinder

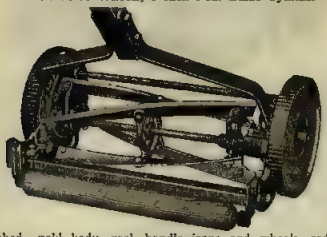


Finished: aluminum body and reel, striped red front blade, aluminum tie rod with red striping, gold handle irons, gold wheels with red striping. Three tool steel knives on cylinder. Adjustable cutter bar. First quality steel balls and dustproof caps. Open wheels, with 6 spokes. Handle is made of hardwood The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes. Is a light, easy running mower with well built frame.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	36	38	40
Each	$12.75	13.25	13.75

ST. CLAIR BALL BEARING

8 Inch Drive Wheels, 6 Inch Four-Blade Cylinder

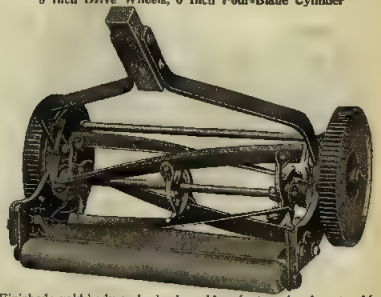


Finished. gold body, reel, handle irons and wheels, red back blade, red striped front blade, gold tie rod striped red, aluminum tread. Four tool steel knives on cylinder. Adjustable cutter bar. High grade ball bearing parts. The cone adjustment is simple and reliable. Closed wheels, with 6 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	40	42	44
Each	$13.75	14.25	14.75

ERIE PLAIN BEARING

8 Inch Drive Wheels, 6 Inch Four-Blade Cylinder



Finished: gold body and wheels, gold reel, striped red center, black tread. Four tool steel knives on cylinder. Adjustable cutter bar. The cone adjustment is simple and reliable. Closed wheels with 6 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	38	40	42
Each	$11.75	12.25	12.75

PILOT PLAIN BEARING

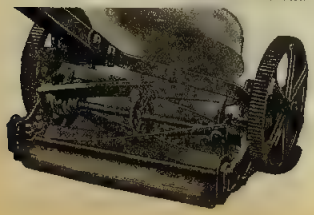
8 Inch Drive Wheels, 6 Inch Three-Blade Cylinder

Finished in Nile green enamel Wheels have red name plate and red center. Three tool steel knives on cylinder. Adjustable cutter bar. Closed wheels with 6 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes. Is a light, easy running mower of the low wheel type which gives excellent service.

Width of Cut, Inches	12	14	16	18
Weight Boxed, Including Handle, Lbs.	33	35	37	39
Each	$9.50	9.75	10.25	10.75

CASE BALL BEARING

9 Inch Drive Wheels, 6 Inch Four-Blade Cylinder

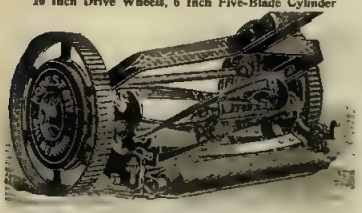


Finished gold body, reel, handle irons and tread, gold tie rod striped green, green back knife and wheels, green striped front blade. Four tool steel knives on cylinder. Adjustable cutter bar. Strong, rigid frame, the side plates and cutter bar being machined and clamped with bolt through each side of mower. Open wheels, with 6 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes. Is a light running, well built mower, having first quality ball bearing parts.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	49	51	53
Each	$15.70	16.40	17.10

LAWN MOWERS

FOREST CITY HIGH WHEEL BALL BEARING
10 Inch Drive Wheels, 6 Inch Five-Blade Cylinder



Is the best all-around mower of its type made. The perfect-fitting ball cups and cones insure an easy running machine. **Finish**—Aluminum frame and cylinder; gold wheels; gold and blue striping, black tread. **Blades**—Five crucible tool steel, oil hardened and water tempered. **Gears**—Double. One in each drive wheel. Cones and cups hardened tool steel. Extra large balls of highest quality. **Wheels**—10 inches. Solid center, protecting gears, six spokes. **Parts**—Malleable and cast accurately machined to insure noiseless service. **Bottom Knife**—Self sharpening, fused edge, crucible tool steel insuring long service. **Height of Cut**—½ to 1½ inches. Will cut grass 6 inches high. **Handle**—Staytite. Hardwood with adjustable steel clamps on cross bar.

Width of Cut, Inches	15	17	19	21
Weight Boxed, Including Handle, Lbs.	65	67	71	76
Each	$30.00	$34.00	$38.00	$42.00

CAMBRIDGE BALL BEARING
9 Inch Drive Wheels, 5½ Inch Five-Blade Cylinder

Finish—Aluminum frame and cylinder; gold wheels; gold and blue striping; black tread. **Blades**—Five crucible tool steel, hardened and tempered. **Gears**—Internal. One in each wheel, covered by dust-proof cap cones and cups hardened tool steel. Extra large balls of highest quality. Eccentric screw adjustment. **Wheels**—9 inches. Open center. Reinforced rims. **Parts**—Malleable and cast accurately, machined to insure noiseless service. **Bottom Knife**—Spring steel, hardened and tempered. **Height of Cut**—½ to 1½ inches. Will cut grass 5 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

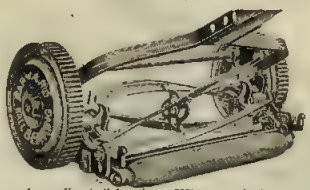
Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	50	52	56
Each	$22.00		28.00

ADELBERT BALL BEARING
9 Inch Drive Wheels, 5 Inch Four-Blade Cylinder

Finish—Aluminum frame and cylinder; gold wheels, gold and blue striping, black tread. **Blades**—Four crucible tool steel, hardened and tempered. **Gears**—Internal, one in each wheel. **Bearings**—Balls, cups and cones identical with those used on the Pennsylvania Jr. **Wheels**—9 inches. Closed center. Spoked rim. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Enos patent. Flexible or yielding type, insuring an action which constantly sharpens itself and the revolving blades. **Height of Cut**—½ to 1½ inches. Will cut grass 5 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	47	49	52
Each	$20.00	21.00	22.00

HARVARD BALL BEARING
8 Inch Drive Wheels, 5 Inch Four-Blade Cylinder



Finish—Aluminum frame and cylinder; gold and blue striping, black tread. **Blades**—Four crucible tool steel, hardened and tempered. **Gears**—Internal, one in each wheel. **Bearings**—Full Pennsylvania quality ball bearing. **Wheels**—8 inches. Spoked rim. **Parts**—Malleable and cast. Accurately machined to insure noiseless service. **Bottom Knife**—Enos patent. Self-sharpening, tempered spring steel. **Height of Cut**—⅜ to 1¼ inches. Will cut grass 5 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	43	47	50
Each	$17.00	18.00	19.00

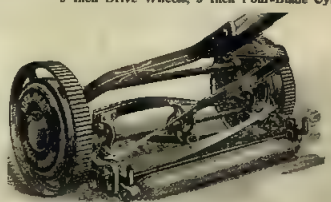
NEW FOREST CITY LOW WHEEL PLAIN BEARING
7 Inch Drive Wheels, 5 Inch Four-Blade Cylinder

Is a standard type lawn mower that will give good service and satisfaction on any kind of a lawn. Strong, durable, easy running and light to handle. A favorite with the professional gardener, as well as the amateur.

Finish—Gold frame and cylinder; aluminum wheels, red striping, black tread. **Blades**—Four crucible tool steel, oil hardened and water tempered. **Gears**—Double. One on each wheel. **Bearings**—Parallel. Machined for accuracy. Adjustable to take up wear. **Wheels**—7 inches. Closed pattern. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Self-sharpening. Spring steel. **Height of Cut**—½ to 1½ inches. Will cut grass 6 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	50	52	56
Each	$20.00	23.00	26.00

ADELBERT PLAIN BEARING
9 Inch Drive Wheels, 5 Inch Four-Blade Cylinder

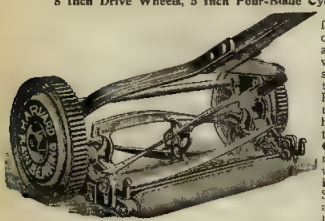


Finish—Gold frame and cylinder; aluminum wheels; red striping, black tread. **Blades**—Four crucible tool steel, hardened and tempered. **Gears**—Internal. One in each wheel. **Bearings**—Parallel. Adjustable to take up wear. **Wheels**—9 inch, spoked rim. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Spring steel, hardened and tempered. Enos patent. **Height of Cut**—½ to 1½ inches. Will cut grass 5 inches high. **Handle**—Staytite, Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle	47	49	52
Each	$17.00	18.00	19.00

LAWN MOWERS

HARVARD PLAIN BEARING
8 Inch Drive Wheels, 5 Inch Four-Blade Cylinder



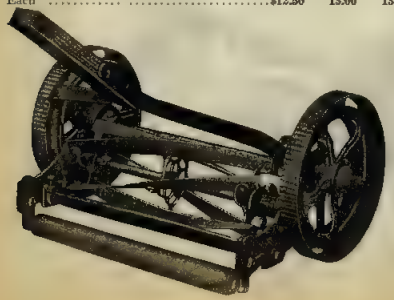
Finish—Gold frame and cylinder; aluminum wheels; red striping; black tread. **Blades**—Four crucible tool steel, hardened and tempered. **Gears** Internal. One in each wheel. **Bearings**—Parallel. Split bronze adjustable to take up wear. Easily renewed. **Wheels** -8 inches. Spoked rim. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Spring steel. Hardened and tempered. Enos patent. **Height of Cut**—½ to 1½ inches. Will cut grass 5 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	43	45	47
Each	$15.00	16.00	17.00

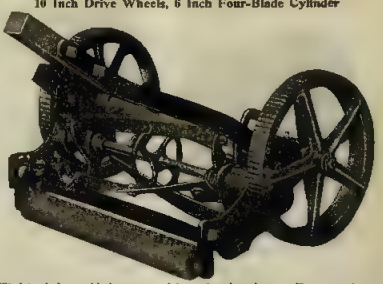
NEW PEERLEE, PLAIN BEARING
8 Inch Drive Wheels, 5 Inch Three-Blade Cylinder

Finish—Gold frame and cylinder, aluminum wheels, red striping, black tread. **Blades**—Three crucible tool steel, hardened and tempered. **Gears**—Internal. One in each wheel. **Bearings**—Parallel. Split bronze bushings, adjustable to take up wear. Easily renewed. **Wheels**—8 inches. Spoked rim. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Spring steel. Hardened and tempered. Enos patent. **Height of Cut**—½ to 1½ inches. Will cut grass 5 inches high. **Handle** Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	42	43	45
Each	$12.50	13.00	13.50



GOLD MEDAL BALL BEARING
10 Inch Drive Wheels, 6 Inch Four-Blade Cylinder



Finished in gold bronze with red trimmings. Four tool steel knives on cylinder. Adjustable cutter bar. Best quality steel balls and cups. Cups are case hardened and polished and are provided with dustproof caps. Open wheels with 6 spokes. Handle is made of hardwood. Mower is of best quality. Easy running with large wheels to secure good traction.

Width of Cut, Inches	16	18
Weight Boxed, Including Handle, Lbs.	60	65
Each	$19.00	20.00

IDEAL BUCKEYE BALL BEARING
9 Inch Drive Wheels, 6 Inch Four-Blade Cylinder

Finished in gold with red striping. Four tool steel knives on cylinder. Adjustable cutter bar. Cones are turned from bar tool steel and are tempered and polished. Best quality steel balls and cups. Cups are case hardened and polished and are provided with dustproof caps. Closed wheels, with 6 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The handle grip is also held in position by a handle socket and a saddle through which the long bolt passes. This lawn mower is of the very best quality. Easy running, with wheels sufficiently large to secure good traction in cutting high, thick grass.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs.	52	56	60
Each	$16.25	17.00	17.75

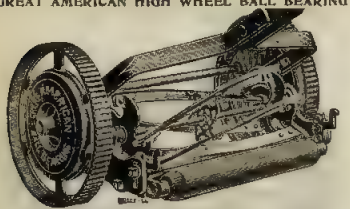
BUCKEYE DUPLEX BALL BEARING
10½ Inch Drive Wheels, 6 Inch Five-Blade Cylinder

Finished in gold and silver bronze with green decorations. Five tool steel blades on cylinder. Adjustable cutter bar. Cones are turned from bar tool steel and are tempered and polished. Best quality steel balls and cups. Cups are case hardened and polished and are provided with dustproof caps. Open wheels with 5 spokes. Handle is made of hardwood. The handle and grip are connected by means of a bolt and pin. The lawn mower is of very best quality. Easy running with wheels sufficiently large to secure good traction in cutting high, thick grass.

Width of Cut, Inches	16	18
Weight Boxed, Including Handle, Lbs.	68	71
Each	$24.50	25.50

LAWN MOWERS

GREAT AMERICAN HIGH WHEEL BALL BEARING



10 Inch Drive Wheels, 6 Inch Five-Blade Cylinder

Finish—Aluminum frame and cylinder; gold wheels; gold and blue striping, black tread **Blades**—Five crucible tool steel, oil hardened and water tempered. **Gears** Double. One in each drive wheel. Cone and cups hardened tool steel. Extra large balls of highest quality **Wheels**—10 inches. Solid center, protecting gears, six spokes **Parts** -Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Self-sharpening, raised edge, crucible tool steel, insuring long service. **Height of Cut**—½ to 1½ inches. Will cut grass 6 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	15	17	19	21
Weight Boxed, Including Handle, Lbs	65	67	71	76
Each	$30.00	34.00	38.00	42.00

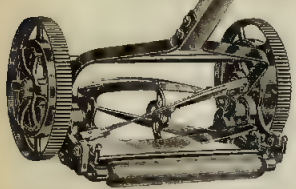
NEW QUAKER CITY LOW WHEEL PLAIN BEARING

7 Inch Drive Wheels, 5 Inch Four-Blade Cylinder

Finish -Gold frame and cylinder; aluminum wheels; red striping, black tread. **Blades** — Four crucible tool steel, oil hardened and water tempered. **Gears**—Double. One on each wheel **Bearings**—Parallel Machined for accuracy. Adjustable to take up wear. **Wheels**—7 inches. Closed pattern. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Self-sharpening Spring steel. **Height of Cut**—½ to 1½ inches. Will cut grass 6 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs	50	52	56
Each	$20.00	23.00	26.00

OXFORD BALL BEARING

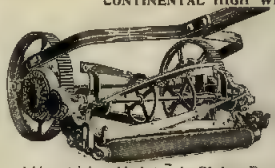


10 Inch Drive Wheels, 5½ Inch Four-Blade Cylinder

Finish— Aluminum frame and cylinder, gold wheels; gold and blue striping; black tread. **Blades** — Four crucible tool steel, hardened and tempered. **Gears** Internal. One in each drive wheel, covered by dust-proof cap. **Bearings**—Ball, cups and cones identical with those used on Pennsylvania Jr., and our other high-priced machines. **Wheels**—10 inches diameter. Open center or spider pattern. Reinforced rims. **Parts**—Malleable and cast. Machined to fit, insuring noiseless, smooth cutting. **Bottom Knife**—Spring steel, hardened and tempered. The cast bar holding the knife is fitted to side plates, permitting accurate set screw adjustment. **Height of Cut**—½ to 1½ inches. Will cut grass 6 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	14	16	18
Weight Boxed, Including Handle, Lbs	53	57	60
Each	$22.00	24.00	27.00

CONTINENTAL HIGH WHEEL



9½ Inch Drive Wheels, 6½ Inch Four-Blade Cylinder

This lawn mower is the favorite with railroads, parks, cemeteries, etc. The machine for high grass and rough lawns

Finish—Aluminum frame and cylinder; gold wheels; gold and blue striping; black tread. **Blades**—Four crucible tool steel, oil hardened and water tempered. **Gears**—A triple set on each side. **Wheel Base**—Extra length. **Wheels**—9½ inches. Open spokes. **Parts**—Malleable and cast, accurately machined to insure noiseless service **Bottom Knife**—Flat spring pattern, same as Pennsylvania. **Height of Cut**—Adjustable ½ to 1½ inches. Will cut grass 6 inches high. **Handle—Staytite.** Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	15	17	19	21
Weight Boxed, Including Handle, Lbs	73	76	80	85
Each	$40.50	46.00	52.00	58.00

PENNSYLVANIA STANDARD

is the pioneer of all lown mowers, having an open cylinder, open wheels and a train of gears.

Finish Aluminum frame and cylinder; gold wheels; gold and blue striping; black tread. **Blades** -Four crucible tool steel, oil hardened and water tempered. Extra wide. **Gears**—Train of triple, giving power and speed. **Wheel Base**—Extra long. Cuts smoothly over uneven ground. **Wheels**—8 or 10½ inches. Open spokes. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Flat pattern, crucible tool steel, hardened and tempered. **Height of Cut**—⅝ to 1½ inches. Will cut grass standing 6 inches high. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

HIGH WHEEL

10½ Inch Drive Wheels, 6½ Inch Four-Blade Cylinder

Width of Cut, Inches	15	17	19	21
Weight Boxed, Including Handle, Lbs	77	82	85	97
Each	$40.50	46.00	52.00	58.00

LOW WHEEL

8 Inch Drive Wheels, 5½ Inch Four-Blade Cylinder

Width of Cut, Inches	14	16
Weight Boxed, Including Handle, Lbs	58	60
Each	$30.00	35.00

PENNSYLVANIA JUNIOR HIGH WHEEL BALL BEARING

10 Inch Drive Wheels, 6 Inch, Five-Blade Cylinder

Finish Aluminum frame and cylinder, gold wheels; gold and blue striping; black tread. **Blades** — Five crucible tool steel, oil hardened and water tempered, extra wide. **Gears**—A triple set on each side. **Wheel Base**—Extra long, cuts smoothly over uneven ground. **Wheels**—10 inches. Open spokes. **Bottom Knife**—Raised edge of tempered, crucible tool steel. **Height of Cut**—¼ to 1½ inches. Will cut grass 6 inches high **Parts and Handle**—Same as Standard Pensylvania.

Width of Cut, Inches	15	17	19	21
Weight Boxed, Including Handle, Lbs	71	74	77	80
Each	$40.50	46.00	52.00	58.00

A DESK BLOTTER

133 Screen, Four Colors and Gold

ENGRAVED BY
ART COLOR ENGRAVING CO.
NEW YORK

PRINTED BY
COMMANDAY-ROTH CO., Inc
NEW YORK

SILVER STATUETTE

133 Screen, Four Colors

ENGRAVED BY
ART COLOR ENGRAVING CO.
NEW YORK

PRINTED BY
COMMANDAY-ROTH CO., Inc
NEW YORK

1847 ROGERS BROS.
SILVERPLATE

ARGOSY
PATTERN

Tea Spoon

Delicate balance, joined with subtle, ornamental tracery, is the secret of the gay charm of Argosy Pattern — the newest design in 1847 Rogers Bros. Silverplate

Six in Box, Prices per Dozen

Dessert Fork
Flat Handle

8701	Tea Spoons	$9.18
8702	Dessert or Oval Soup Spoons	17.74
8703	Table or Serving Spoons	18.36
8704	Soup Spoons, round bowl	18.36
8705	Dinner Forks, flat	18.36
8706	Dessert or Luncheon Forks, flat	17.74
87005	Bouillon Spoons, six in blue velvet lined box, set of six	$8.87

Soup Spoon
Round Bowl

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

87402a	Dinner Knives, Stainless French Blades	$31.30	87404	Dessert or Luncheon Knives, Plated French Blades	$28.42
87401	Dinner Knives, Plated French Blades	28.70	87416	Dinner Forks	28.70
87404a	Dessert or Luncheon Knives, Stainless French Blades	30.62	87417	Dessert or Luncheon Forks	28.42

Dessert Knife
Hollow Handle
Stainless
French Blade

Embossed Solid Handles, Six in Racked Box, Prices per Dozen

87472a	Dinner Knives, Stainless French Blades	$18.28	87474a	Dessert Knives, Stainless French Blades	$17.60
87471	Dinner Knives, Plated French Blades	13.06	87474	Dessert Knives, Plated French Blades	12.76

4-26

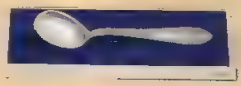
INTERNATIONAL SILVER CO.

·1847 ROGERS BROS·
SILVERPLATE

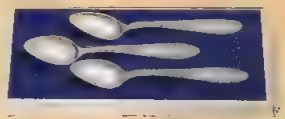
Fancy pieces in Velvet Lined Gift Boxes without extra charge

ARGOSY

87201 Butter Knife, each $1 54



87017 Sugar Shell, each $1 54



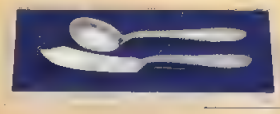
87014 Orange or Grape Fruit Spoons, set of six $6.45

87204 Jelly Knife or Server, each $2 14

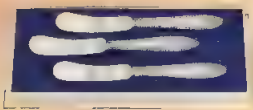
87252 Cucumber or Tomato Server, each $3 98

87254 Pie or Ice Cream Server, hollow handle, each $[illegible]

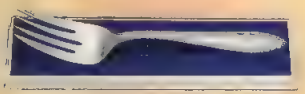
87003 Berry or Salad Spoon, large, each $3 98



87301 Butter Knife and Sugar Shell, per set $3.06



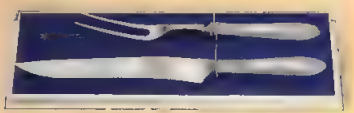
87202 Butter Spreaders, set of six $7.68



87103 Cold Meat Fork, large, each $2 46

87111 Salad Forks, individual, set of six $7 18
87107 Pie or Pastry Forks, set of six $7 18

87227 Gravy Ladle each $3 06
87276 Cream Ladle each 2 46
87229 Medium Ladle, each $ 20



87437 Game Set, 2 pieces, per set $15 98
87438s Bird or Steak Set, 2 pieces, per set $10.44
87438s Bird or Steak Set, 3 pieces, per set 14 06
87436s Carving Set, 3 pieces, per set $20 98

Nickel Silver, Silver Soldered, Hollow Handles Stainless Blades

INTERNATIONAL SILVER CO.

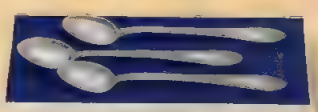
·1847 ROGERS BROS·
SILVERPLATE

ARGOSY

Fancy pieces in Velvet Lined Gift Boxes without extra charge

87008 Coffee Spoons, set of six $4.52

87001 Baby Spoon, bent handle, each $1.22



87012 Iced Tea Spoons, set of six $7.36

87004 Berry, small, or Preserve Spoon, each $1.88

87353 Dessert Server, each $5.72

87483s Six each Solid Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $18.52

87483 Above, Knives with Plated French Blades, per set $15.70

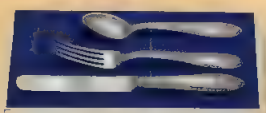
87484s Six each Solid Handle Dessert Knives, Stainless French Blades, and Flat Dessert Forks, per set $17.66

87484 Above, Knives with Plated French Blades, per set $15.24

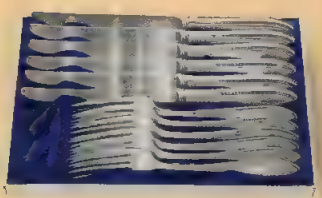
87104 Cold Meat Fork, small, each $2.14

87304 Baby Spoon and Fork, short handles, per set $2.46
87002 Baby Spoon, short handle, each $1.22
87101 Baby Fork, short handle, each $1.22

87105 Ice Cream Forks, set of six $5.06



87353 Child's Set, 3 pieces, Hollow Handle Knife, per set $4.30
87356 Child's Set, 3 pieces, Solid Handle Knife, per set $3.06
87352 Child's Set, 4 pieces, per set $5.68



87421s Six each Hollow Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $24.82

87421 Above, Knives with Plated French Blades, per set $23.54

87422s Dessert, Knives with Stainless French Blades, per set $24.18

87422 Above, Knives with Plated French Blades, per set $23.08

87425s Six each Hollow Handle Dinner Knives, Stainless French Blades, and Flat Dessert Forks, per set $24.52

87425 Above, Knives with Plated French Blades, per set $23.22

·1847 ROGERS BROS·

SILVERPLATE

"The best selling merchandise in the store"
—today as it has been for many years

The reason is easy to discover—a deserved reputation for Quality, that has met the supreme test—the test of time—backed by an absolute guarantee of satisfaction and by years of extensive and effective national advertising and sales promotion aid for the dealer.

The result is a remarkable turnover on a line that yields a very substantial profit on every sale.

Especially important is the fact that each design is made not alone in spoons, forks and knives but in the larger pieces as well—five-piece Tea Sets and the various articles that make up the Dinner Service and adorn the home.

In each pattern the Hollowware is designed, produced, plated and finished to match the Flatware

INTERNATIONAL SILVER CO.

ALVIN SILVER
Long Life Plate

ALVIN LONG LIFE SILVER PLATE

BEST BY TEST

(See test of H. G. Torrey, for over thirty-seven years Chief Assayer of the U. S. Assay Office)

Complete Price of 26 pieces in any pattern fitted in this tray.
Dinner Size . $50.04
Dessert Size . $49.10
Including Tray

For prices see seventh page following

THIS handsome and useful Hostess Tray, with removable velvet pad for silver, to hold 26, 29, 32, 39, 44 or 54 piece combinations, is being offered at a slight extra cost to assist you in merchandising ALVIN LONG LIFE PLATE. Buy Alvin Plate in this tray and note the increase in your sales. Made to be sold with the silver only.

ALVIN SILVER COMPANY

10 S. Wabash Avenue
CHICAGO

20 West 47th Street
NEW YORK

20 Maiden Lane
NEW YORK

209 Post Street
SAN FRANCISCO

ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

ALVIN SILVER

Long-Life Plate

THE CLASSIC

GRAY FINISH

THE charming [illegible] Long-Life Quality Plate at [illegible] the most particular customer. It is produced with the same care, skill and attention to details as Sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost.

ALVIN SILVER

Long-Life Plate

COLD MEAT FORK

BERRY SPOON

JELLY SERVER

TOMATO SERVER

OLIVE FORK

SALAD FORK

PIE SERVER

SALAD FORKS

CHEESE SERVER

SUGAR SHELL

COFFEE SPOONS

OLIVE SPOON

BUTTER KNIFE

OYSTER FORK

THE CLASSIC

GRAY FINISH

Pieces Not Illustrated

BUTTER SPREADERS

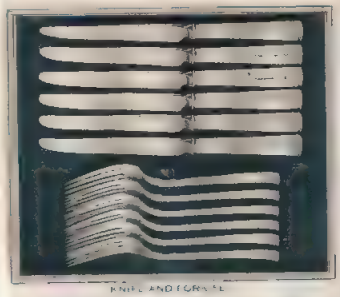
SUGAR TONGS

ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

ALVIN SILVER

Long-Life Plate

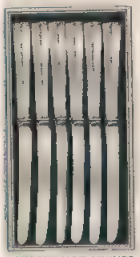


KNIFE AND FORK SET

FIVE O'CLOCK TEA

FRUIT KNIVES

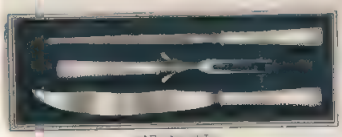
CEC. TEA SPOONS



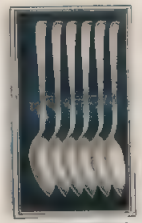
SIX ORANGE KNIVES

BUTTER KNIFE AND SUGAR SHELL

BABY SPOON



CARVING SET



ORANGE OR GRAPE FRUIT SPOONS

BABY SET

3 Piece Carving Set, S.S. ...
3 Piece Game Set, S.S. ...
3 Piece Steak Set, S.S. ...

THE CLASSIC

GRAY FINISH

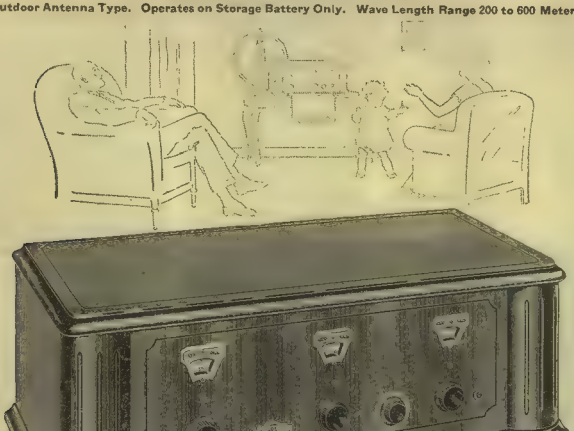
ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

RADIO SETS

AMRAD FIVE TUBE NEUTRODYNE

Outdoor Antenna Type. Operates on Storage Battery Only. Wave Length Range 200 to 600 Meters.



Consists of two stages of Tuned and Neutralized Radio Frequency, a non-regenerative detector and two stages of transformer coupled audio frequency amplification. Has the Hazeltine Neutrodyne circuit.

Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. Has good range, volume, selectivity and tone for the following reasons:

1. The extreme sensitivity of the Neutrodyne circuit.
2. The size of the cabinet. The stages are kept sufficiently separated to minimize coupling between the magnetic fields of the stages of radio frequency and the detector.
3. The receiver is made thruout of good materials.
4. The testing of the receiver both at the factory and here.

The local broadcasting stations can be tuned out and distant stations brought in without distortion while the local is on. The settings of the dials are always the same for any given station. After a station has been brought in it is merely necessary to note settings of the dials. If the dials are set at the same point again it is merely necessary to turn the rheostat until the tubes are lighted to the proper intensity to bring in the station if it is broadcasting.

This receiver, having no harmonics, will bring in any station at only one setting of the dials, unless the transmitting station itself is broadcasting on a harmonic. Has no whistle like that of a Regenerative or Hetrodyne Circuit.

Cabinet including the panel is finished in dull brown mahogany, hand rubbed. Dials are black Bakelite. All metal trimmings are Roman gold.

	Each	Retail Price, Each
No. S-522—Receiver only	140 88	$60 00
No. KX-201A Tubes (5 only)	3 15	2 00
No. B-12 "B" Batteries (2 only)	7 50	3 75
No. 715 "A" Battery	32 55	15 85
No. OKH-L Cone speaker	33 90	16 50
No. 2MG—Grid Leak	39	20
No. 110—Battery Cable	1 05	60
No. 316 Plug	78	40
No. CA Antenna	6 00	3 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. S-522-C—Complete as above described.	251 61	$114 05
No. T-S-522-C Complete with No. 81M console table	305 61	139 05
No. TC-S-522-C—Complete with No. 31M console table and K Balkite Trickle Charger	328 11	149 05

Carefully packed for shipment; approx wt 75 lbs.

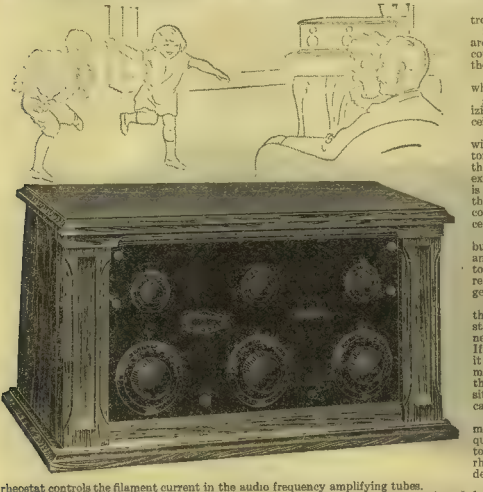
RADIO SETS

—OLD KENTUCKY HOME— FIVE TUBE SUPERIOR NEUTRODYNE

Outdoor Antenna Type. Wave length Range 200 to 600 Meters.

The finest five-tube radio receiver made. Consists of two stages of tuned and neutralized Radio frequency, a non-regenerative detector and two stages of transformer coupled audio frequency amplification.

Has the Hazeltine Neutrodyne circuit. Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. The finest five-tubes radio receiver made in range, volume, selectivity and tone for the following reasons:



1. The extreme sensitivity of the Neutrodyne circuit.
2. The size of the cabinet. The stages are kept sufficiently separate to prevent coupling between the magnetic fields of the Radio Frequency and detector coils.
3. The quality of the materials out of which the receiver is made.
4. The extreme care used in neutralizing, coupling and balancing each receiver. It is strictly a hand made job.

The distances to which this receiver will reach out and the volume of undistorted sound that it will deliver, are due to the four reasons mentioned above. The extraordinary selectivity of the receiver is due, first to the design and secondly to the extreme care used in neutralizing, coupling, balancing and filtering each receiver.

The local broadcasting stations cover but a few points on the dial. The tone and the clearness of the receiver are due to the four causes mentioned above. This receiver has no whistle like that of a regenerative or hetrodyne circuit.

Settings of the three dials are always the same for any given station. After station has been brought in, it is merely necessary to note the settings of the dials. If the dials are set at the same point again it is merely necessary to throw on the filament switch and turn the rheostat until the tubes are lighted to the proper intensity to bring in the station if it is broadcasting.

The left hand rheostat controls the filament current of both stages of radio frequency amplification and should be used to regulate the volume. The middle rheostat controls the filament of the detector tube only. The right hand rheostat controls the filament current in the audio frequency amplifying tubes.

This receiver having no harmonics will bring in any station at only one setting of the dials. Cabinet is beautiful hardwood. Panel and dials are genuine Bakelite.

Length 23 inches; depth 14 inches; height 13 inches.

Storage Battery Set.	Each	Retail Price, Each
No. SN-5—Receiver and battery cable	304 80	$135 00
No. UX-201-A—Tubes (4 only)	4 20	2 00
No. UX-112—Tubes (1 only)	13 65	6 50
No. 715—"A" Battery	32 55	15 85
No. B-12—"B" Batteries (3 only)	7 50	2 75
No. C-1 "C" Batteries (2 only)	1 20	60
No. OKH-L Loud speaker	44 55	20 00
No. 316 Plug	84	40
No. BC Connectors (3 only)	04	02
No. BGA Antenna	12 00	5 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-5-C—Complete as above described	451 20	$180 46
No. T-SN-5-C Complete with No. 31W console table	505 20	205 46
No. TC-SN-5-C Complete with console table and K Balkite Trickle Charger	527 70	215 46

Dry Battery Set.	Each	Retail Price Each
No. SN-6-199—Receiver only	304 80	$135 00
No. UV-199—Tubes (5 only)	5 25	2 25
No. UX-120—Tube (1 only)	5 85	2 50
No. 920—Adapter (1 only)	2 61	1 25
No. B-12—"B" Batteries (3 only	7 50	2 75
No. B-1 "C" Battery (1 only	3 54	1 75
No. C-1 "C" Batteries (1 only)	1 20	60
No. 77 "A" Batteries (6 only	1 20	50
No. OKH-L Loud Speaker	44 55	20 00
No. 316—Plug	78	40
No. BC Connectors	04	02
No. CORD—Battery cable	1 05	60
No. BGA—Antenna	12 00	5 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-6-199-C—Complete as above described	433 26	$188 62
No. T-SN-6-199-C—Complete with No. 31M console table	457 26	213 62

Carefully packed for shipment, approx wt 53 lbs.

RADIO SETS

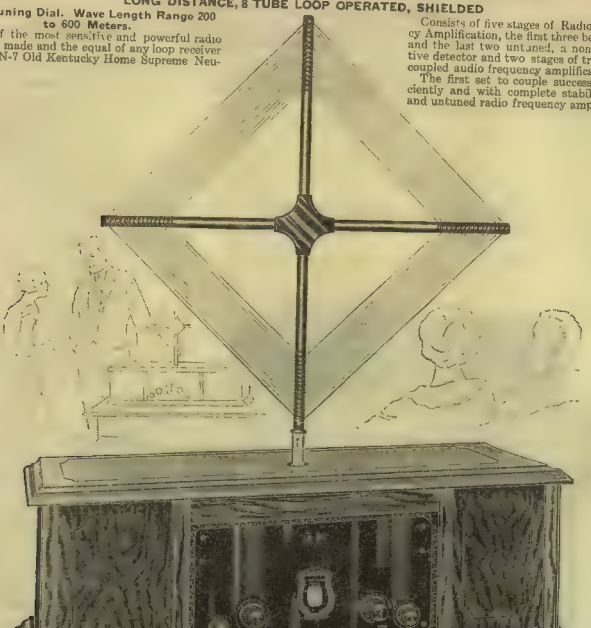
LONG DISTANCE, 8 TUBE LOOP OPERATED, SHIELDED

One Tuning Dial. Wave Length Range 200 to 600 Meters.

One of the most sensitive and powerful radio receivers made and the equal of any loop receiver except SN-7 Old Kentucky Home Supreme Neutrodyne.

Consists of five stages of Radio Frequency Amplification, the first three being tuned and the last two untuned, a non-regenerative detector and two stages of transformer coupled audio frequency amplification.

The first set to couple successfully, efficiently and with complete stability tuned and untuned radio frequency amplification.



Designed primarily to operate on a directional loop. Has wonderful range, volume, good selectivity and clearness of tone for the following reasons.

1. The five stages of radio frequency which give a radio energy amplification before the detector of four million times.
2. The metal shielding of the back, the top and the front which prevents any of the coils inside of the set from picking up signals. Only the loop, therefore, can pick up signals. Since the loop can be pointed in any direction and tuned in this way, stray and undesired waves and signals are kept out of the receiver.
3. The design of the circuit, the placing of the parts and the size of the cabinet make it possible to separate the parts sufficiently to prevent the coupling between the magnetic fields of the stages of radio frequency.
4. The quality of the materials out of which the receiver is made.
5. The extreme care used in manufacturing and, testing each receiver.

The wonderful distances to which this receiver will reach out in all directions and the tremendous volume of undistorted sound that it will deliver are due to the four reasons mentioned above, to the use of storage battery tubes ,which are not critical, which are uniform and which are powerful and to the directional effect of the loop. A loop or other antenna is always most sensitive in the direction in which it is pointed. No matter where the station is located, the loop can be pointed directly at it. Thus both loop and receiver are placed in the most sensitive possible position.

(Continued)

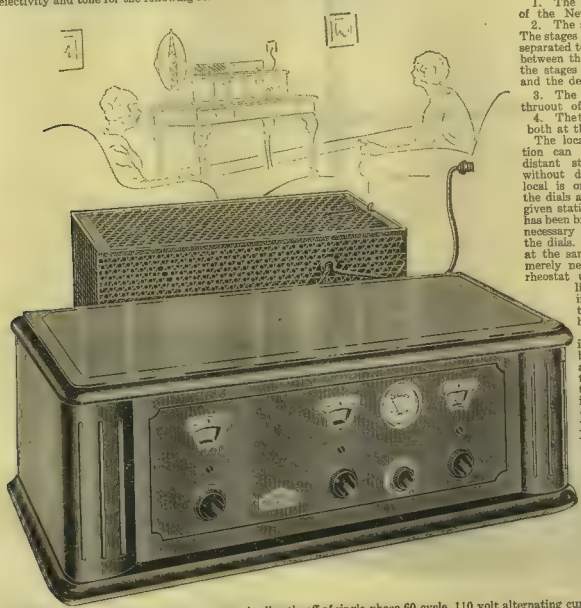
RADIO SETS

AMRAD, FIVE TUBE POWER NEUTRODYNE

Outdoor Antenna Type. Requires No Battery. Will Not Operate On Batteries. Wave Length Range 200 To 600 Meters.

Consists of two stages of Tuned and Neutralized Radio Frequency, a non-regenerative detector and two stages of Transformer coupled audio frequency amplification. Has the Hazeltine Neutrodyne circuit.

Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. Has good range, volume, selectivity and tone for the following reasons:



1. The extreme sensitivity of the Neutrodyne circuit.
2. The size of the cabinet. The stages are kept sufficiently separated to minimize coupling between the magnetic fields of the stages of radio frequency and the detector.
3. The receiver is made thruout of good materials.
4. The testing of the receiver both at the factory and here.

The local broadcasting station can be tuned out and distant stations brought in without distortion while the local is on. The settings of the dials are the same for any given station. After a station has been brought in it is merely necessary to note settings of the dials. If the dials are set at the same point again it is merely necessary to turn the rheostat until the tubes are lighted to the proper intensity to bring in the station, if it is broadcasting.

This receiver having no harmonics will bring in any station at only one setting of the dials, unless the transmitting station itself is broadcasting on a harmonic. Has no whistle like that of a Regenerative or Hetrodyne circuit.

Cabinet including the panel is finished in dull brown mahogany, hand rubbed. Dials are black Bakelite. All metal trimmings Roman gold.

The power unit consists of full wave rectifier employing two UX216 tubes. The requisite transformers and two chemical filtering condensers. Operates only directly off of single phase 60 cycle, 110 volt alternating current socket.

AMRAD, FIVE TUBE POWER NEUTRODYNE

	Each	Retail Price, Each
No. AC-5—Receiver only	152 13	$65 00
No. 2-K—Power Unit	197 58	85 00
No. UX-216B—Tubes (2 only)	17 28	7 50
No. UX-199—Tubes (4 only)	5 25	2 25
No. UX-112—Tubes (1 only)	13 65	6 50
No. OKHM Loud Speaker	58 62	27 50
No. 2MG—Grid Leaks	45	20
No. CA Antenna	6 00	3 00
No. RL—Radio Log	45	20

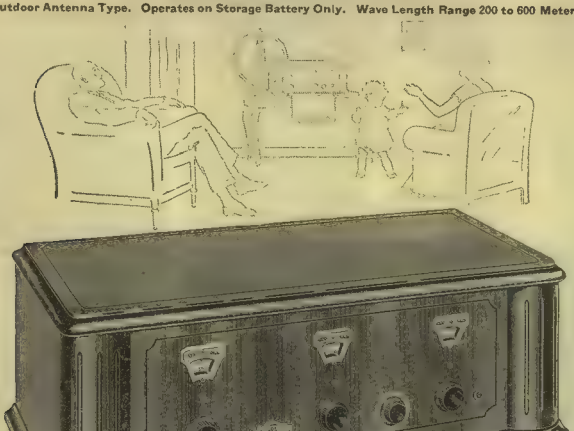
	Per Set	Retail Price, Per Set
No. AC-5-C—Complete as above described	486 93	$211 40
No. TAC-5-C—Complete with No. 31M Console table	540 93	236 40

Carefully packed for shipment; approx wt 90 lbs.

RADIO SETS

AMRAD FIVE TUBE NEUTRODYNE

Outdoor Antenna Type. Operates on Storage Battery Only. Wave Length Range 200 to 600 Meters.



Consists of two stages of Tuned and Neutralized Radio Frequency, a non-regenerative detector and two stages of transformer coupled audio frequency amplification. Has the Hazeltine Neutrodyne circuit.

Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. Has good range, volume, selectivity and tone for the following reasons:

1. The extreme sensitivity of the Neutrodyne circuit.
2. The size of the cabinet. The stages are kept sufficiently separated to minimize coupling between the magnetic fields of the stages of radio frequency and the detector.
3. The receiver is made thruout of good materials.
4. The testing of the receiver both at the factory and here.

The local broadcasting stations can be tuned out and distant stations brought in without distortion while the local is on. The settings of the dials are always the same for any given station. After a station has been brought in it is merely necessary to note settings of the dials. If the dials are set at the same point again it is merely necessary to turn the rheostat until the tubes are lighted to the proper intensity to bring in the station if it is broadcasting.

This receiver, having no harmonics, will bring in any station at only one setting of the dials, unless the transmitting station itself is broadcasting on a harmonic. Has no whistle like that of a Regenerative or Hetrodyne Circuit.

Cabinet including the panel is finished in dull brown mahogany, hand rubbed. Dials are black Bakelite. All metal trimmings are Roman gold.

	Each	Retail Price, Each
No. S-522—Receiver only	140 88	$60 00
No. KX-201A Tubes (5 only)	3 15	2 00
No. B-12 "B" Batteries (2 only)	7 50	3 75
No. 715 "A" Battery	32 55	15 85
No. OKH-L Cone speaker	33 90	16 50
No. 2MG—Grid Leak	39	20
No. 110—Battery Cable	1 05	60
No. 316 Plug	78	40
No. CA Antenna	6 00	3 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. S-522-C—Complete as above described.	251 61	$114 05
No. T-S-522-C Complete with No. 81M console table	305 61	139 05
No. TC-S-522-C—Complete with No. 31M console table and K Balkite Trickle Charger	328 11	149 05

Carefully packed for shipment; approx wt 75 lbs.

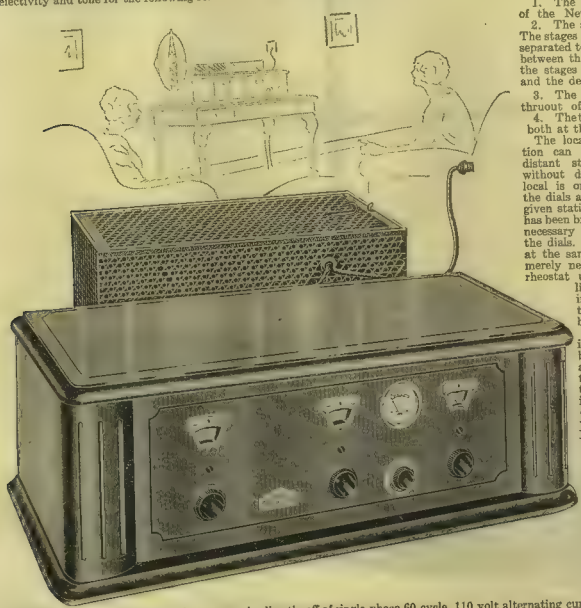
RADIO SETS

AMRAD, FIVE TUBE POWER NEUTRODYNE

Outdoor Antenna Type. Requires No Battery. Will Not Operate On Batteries. Wave Length Range 200 To 600 Meters.

Consists of two stages of Tuned and Neutralized Radio Frequency, a non-regenerative detector and two stages of Transformer coupled audio frequency amplification. Has the Hazeltine Neutrodyne circuit.

Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. Has good range, volume, selectivity and tone for the following reasons:



1. The extreme sensitivity of the Neutrodyne circuit.
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3. The receiver is made thruout of good materials.
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This receiver having no harmonics will bring in any station at only one setting of the dials, unless the transmitting station itself is broadcasting on a harmonic. Has no whistle like that of a Regenerative or Hetrodyne circuit.

Cabinet including the panel is finished in dull brown mahogany, hand rubbed. Dials are black Bakelite. All metal trimmings Roman gold.

The power unit consists of full wave rectifier employing two UX216 tubes. The requisite transformers and two chemical filtering condensers. Operates only directly off of single phase 60 cycle, 110 volt alternating current socket.

AMRAD, FIVE TUBE POWER NEUTRODYNE

	Each	Retail Price, Each
No. AC-5—Receiver only	152 13	$65 00
No. 2-K—Power Unit	197 58	85 00
No. UX-216B—Tubes (2 only)	17 28	7 50
No. UX-199—Tubes (4 only)	5 25	2 25
No. UX-112—Tubes (1 only)	13 65	6 50
No. OKHM Loud Speaker	58 62	27 50
No. 2MG—Grid Leaks	45	20
No. CA Antenna	6 00	3 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. AC-5-C—Complete as above described	486 93	$211 40
No. TAC-5-C—Complete with No. 31M Console table	540 93	236 40

Carefully packed for shipment; approx wt 90 lbs.

RADIO SETS

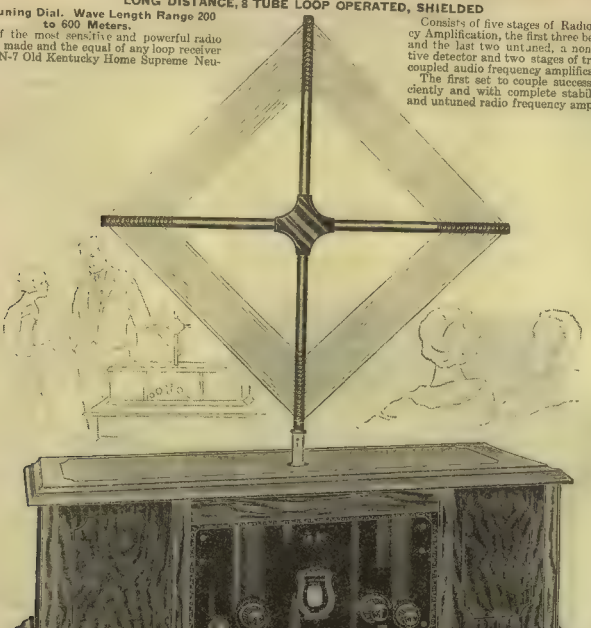
LONG DISTANCE, 8 TUBE LOOP OPERATED, SHIELDED

One Tuning Dial. Wave Length Range 200 to 600 Meters.

One of the most sensitive and powerful radio receivers made and the equal of any loop receiver except SN-7 Old Kentucky Home Supreme Neutrodyne.

Consists of five stages of Radio Frequency Amplification, the first three being tuned and the last two untuned, a non-regenerative detector and two stages of transformer coupled audio frequency amplification.

The first set to couple successfully, efficiently and with complete stability tuned and untuned radio frequency amplification.



Designed primarily to operate on a directional loop. Has wonderful range, volume, good selectivity and clearness of tone for the following reasons.

1. The five stages of radio frequency which give a radio energy amplification before the detector of four million times.
2. The metal shielding of the back, the top and the front which prevents any of the coils inside of the set from picking up signals. Only the loop, therefore, can pick up signals. Since the loop can be pointed in any direction and tuned in this way, stray and undesired waves and signals are kept out of the receiver.
3. The design of the circuit, the placing of the parts and the size of the cabinet make it possible to separate the parts sufficiently to prevent the coupling between the magnetic fields of the stages of radio frequency.
4. The quality of the materials out of which the receiver is made.
5. The extreme care used in manufacturing and, testing each receiver.

The wonderful distances to which this receiver will reach out in all directions and the tremendous volume of undistorted sound that it will deliver are due to the four reasons mentioned above, to the use of storage battery tubes ,which are not critical, which are uniform and which are powerful and to the directional effect of the loop. A loop or other antenna is always most sensitive in the direction in which it is pointed. No matter where the station is located, the loop can be pointed directly at it. Thus both loop and receiver are placed in the most sensitive possible position.

(Continued)

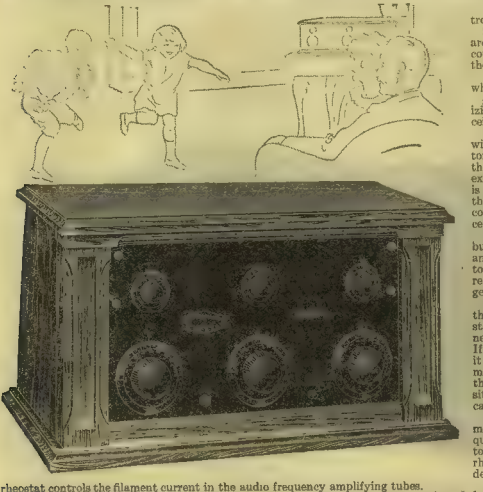
RADIO SETS

—OLD KENTUCKY HOME— FIVE TUBE SUPERIOR NEUTRODYNE

Outdoor Antenna Type. Wave length Range 200 to 600 Meters.

The finest five-tube radio receiver made. Consists of two stages of tuned and neutralized Radio frequency, a non-regenerative detector and two stages of transformer coupled audio frequency amplification.

Has the Hazeltine Neutrodyne circuit. Will operate satisfactorily only on an outside antenna and best on one of about fifty feet in length. The finest five-tubes radio receiver made in range, volume, selectivity and tone for the following reasons:



1. The extreme sensitivity of the Neutrodyne circuit.
2. The size of the cabinet. The stages are kept sufficiently separate to prevent coupling between the magnetic fields of the Radio Frequency and detector coils.
3. The quality of the materials out of which the receiver is made.
4. The extreme care used in neutralizing, coupling and balancing each receiver. It is strictly a hand made job.

The distances to which this receiver will reach out and the volume of undistorted sound that it will deliver, are due to the four reasons mentioned above. The extraordinary selectivity of the receiver is due, first to the design and secondly to the extreme care used in neutralizing, coupling, balancing and filtering each receiver.

The local broadcasting stations cover but a few points on the dial. The tone and the clearness of the receiver are due to the four causes mentioned above. This receiver has no whistle like that of a regenerative or hetrodyne circuit.

Settings of the three dials are always the same for any given station. After station has been brought in, it is merely necessary to note the settings of the dials. If the dials are set at the same point again it is merely necessary to throw on the filament switch and turn the rheostat until the tubes are lighted to the proper intensity to bring in the station if it is broadcasting.

The left hand rheostat controls the filament current of both stages of radio frequency amplification and should be used to regulate the volume. The middle rheostat controls the filament of the detector tube only. The right hand rheostat controls the filament current in the audio frequency amplifying tubes.

This receiver having no harmonics will bring in any station at only one setting of the dials. Cabinet is beautiful hardwood. Panel and dials are genuine Bakelite.

Length 23 inches; depth 14 inches; height 13 inches.

Storage Battery Set.	Each	Retail Price, Each
No. SN-5—Receiver and battery cable	304 80	$135 00
No. UX-201-A—Tubes (4 only)	4 20	2 00
No. UX-112—Tubes (1 only)	13 65	6 50
No. 715—"A" Battery	32 55	15 85
No. B-12—"B" Batteries (3 only)	7 50	2 75
No. C-1 "C" Batteries (2 only)	1 20	60
No. OKH-L Loud speaker	44 55	20 00
No. 316 Plug	84	40
No. BC Connectors (3 only)	04	02
No. BGA Antenna	12 00	5 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-5-C—Complete as above described	451 20	$180 46
No. T-SN-5-C Complete with No. 31W console table	505 20	205 46
No. TC-SN-5-C Complete with console table and K Balkite Trickle Charger	527 70	215 46

Dry Battery Set.	Each	Retail Price Each
No. SN-6-199—Receiver only	304 80	$135 00
No. UV-199—Tubes (5 only)	5 25	2 25
No. UX-120—Tube (1 only)	5 85	2 50
No. 920—Adapter (1 only)	2 61	1 25
No. B-12—"B" Batteries (3 only	7 50	2 75
No. B-1 "C" Battery (1 only	3 54	1 75
No. C-1 "C" Batteries (1 only)	1 20	60
No. 77 "A" Batteries (6 only	1 20	50
No. OKH-L Loud Speaker	44 55	20 00
No. 316—Plug	78	40
No. BC Connectors	04	02
No. CORD—Battery cable	1 05	60
No. BGA—Antenna	12 00	5 00
No. RL—Radio Log	45	20

	Per Set	Retail Price, Per Set
No. SN-6-199-C—Complete as above described	433 26	$188 62
No. T-SN-6-199-C—Complete with No. 31M console table	457 26	213 62

Carefully packed for shipment, approx wt 53 lbs.

Chrysler 72 five passenger coupe which lists at $1,595

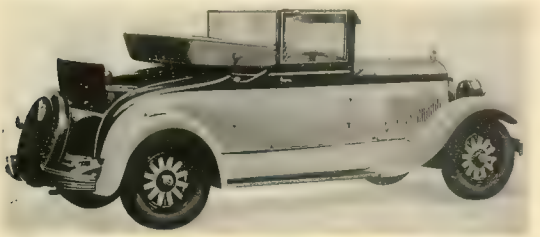
former model 70 and the Imperial 80. From this latter model are derived the counterweighted crankshaft design and the rubber engine insulation. With the increase in bore from 3⅛ to 3¾ in., and stroke from 4¾ to 5 in., representing an increase in piston displacement of from 218.50 to 248.9 cu. in., the crankshaft has been increased in weight to take care of the added power. As a result of the bolted on counterbalances, it has been possible to use the same main and rod bearing sizes as in the model 70.

Connecting rods are longer in the new engine, now being 10 7/16 in. from center to center, representing an increase of 7/16 in. Piston pins are slightly larger in diameter and are now ⅞ in., with the length also increased 1/16 in. to 2⅞ in. An interesting piston design is also incorporated in the 72. It is of the aluminum alloy Invar strut type, but has five rings, four of which are of the compression type, the lower ring being an oil scraper. The four compression rings are L-Shaped, and the second and fourth piston lands are slightly smaller in diameter than the others, the flanges of each two adjoining piston rings meeting over this land. This design is said to have materially increased compression.

Larger inlet valves also contribute to greater power, these now being 1 9/16 in. in diameter, while the 1 7/16 in. exhaust valve head diameter is retained. As formerly stems are 11/32 in. in diameter.

A crankcase ventilating system is also incorporated on the 72. Air is taken in at the front end of the engine through an air cleaner and is whirled about in the crankcase due to the rotation of the shaft. At the rear left of the crankcase is a cored hole in the shape of an inverted L, to which the ventilating outlet pipe is attached, leading downward and backward. As formerly an oil filter is also used, as well as an air cleaner on the carburetor air intake.

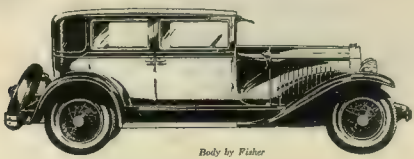
Increased cooling capacity for the larger engine has been obtained through the use



The convertible coupe on Chrysler 72 chassis lists at $1,745

Cadillac Creates a New Body Style for LA SALLE

The Five-Passenger Town Sedan



Body by Fisher

Not merely a new car, this La Salle Town Sedan; but a new name for a new body style—

Exceedingly smart; and though providing gracious comfort for five passengers, a car to be used for individual goings about.

Not a resemblance to a coupe, but having the companionable intimacy of a coupe.

Four doors—the front ones exceptionally wide; the rear ones so placed with relation to the seat that entrance and exit are most easy and convenient.

Two comfortable, full-width, high-backed seats; with the clever idea of a cut-away under the front seat to give ample foot-room for rear-seat passengers.

Above and beyond these advantages, there is, of course, the unequalled performance of the eight cylinder, V-type engine; the delightfully smooth handling and the luxurious ease of riding which are constantly winning the La Salle new friends everywhere.

To be seen driving a La Salle is to be seen in the smartest car on the streets.

$2650, F. O. B. DETROIT

You may possess a La Salle on the liberal term-payment plan of the General Motors Acceptance Corporation—the appraisal value of your used car acceptable as cash

LA SALLE

CADILLAC MOTOR CAR COMPANY

Division of General Motors Corporation

DETROIT, MICHIGAN OSHAWA, CANADA

usual assist cords.

A new attractive design of instrument panel, indirectly lighted, includes an electric dash gasoline gage, and dash engine thermometer in addition to the usual instruments.

The steering column is fitted with a coincidental steering and ignition lock in the column bracket, the windshield wiper control and fumer button also being mounted on this bracket.

A combination stop and tail lamp is included in the standard equipment, as well as Hassler shock absorbers all around. Dome lights are now fitted in the coupes as well as the sedan models.

Chrysler Announces "52" Four-Cylinder Model

LOWER prices, with reductions ranging from $24 to $70, feature the announcement of its model "52" four-cylinder line by the Chrysler Corporation. Better streamlining, giving the appearance of decreased height, form-fitting seats, new interior and exterior finish, and a new type manifold are features of the line.

Seven body models are offered, priced as follows:

5-pass. Touring	$750
2-4-pass Roadster	725
2-pass. Coupe	725
2-door, 5-pass. Sedan	795
4-door, 5-pass Sedan	795
5-pass De Luxe Sedan	875

As its model number indicates, a top speed of 52 miles per hour is claimed for these models, while acceleration, according to the Chrysler Corporation, is said to be eight seconds for from 5 to 25 miles per hour.

As on the "62" line recently announced, the "Red Head," Chrysler's high compression head, is offered as standard equipment on the roadster, and is available at slightly extra cost on the other body models. These heads are designed for use with anti-knock fuels. Featuring engine changes, is a new down-draft type inlet manifold, including jacketed portion heated by exhaust gases. An air cleaner is provided on the carburetor air intake.

External appearance of the cars has been enhanced by the use of more sweeping streamlining. Cadet visors are standard on closed models, and all models have bullet type headlamps. Rear roof curves have been rounded off more than formerly, while tops on the open cars are decidedly lower. Body colors differ for the various models, greys, greens and blues being used, with striped beadings and colored window reveals.

Visibility is improved in the "52" line through the adoption of narrower front pillars on the closed models, panels across the top of the windshields also being decreased in depth to increase visibility. Saddle-spring seat cushions have been adopted on all models to increase riding comfort. A new indirectly lighted instrument panel has been incorporated, similar to that used on the "62," and the Fedco number plate is now located above this panel immediately below the windshield.

Standard equipment includes automatic windshield wiper, combination stop and tail light, foot rests and robe rails in the sedans.

Chrysler 52 roadster listing at $725

Chrysler Introduces the Illustrious "72"

By Athel F. Denham

AN entirely new and larger engine and roomier bodies are the leading features of the "Illustrious New" 72 model announced by the Chrysler Sales Corporation to replace the former 70 model. Seven body models are being offered at present, with prices identical with similar body models on the 70, with the exception of a $50 price reduction on the Crown Sedan.

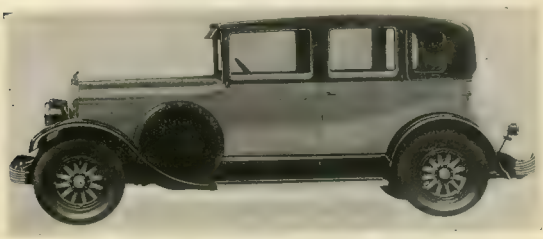
Rubber engine supports at four points are used on the new engine which has a bore and stroke of 3¼ by 5 in. The new engine also carries a counterweighted seven-bearing crankshaft and Invar strut pistons provided with five rings of a new type. Rubber shock insulators are also used for the spring shackles.

Due to the larger engine, which develops 75 b.hp. performance has been materially increased, a top speed of 72 miles per hour as indicated by the model designation being claimed, as well as an acceleration of from 5 to 25 miles in seven seconds. Larger bodies, with five inches more leg room and saddle spring cushions contribute toward increased comfort, while appearance has been increased, aside from the use of longer bodies, through a higher and deeper radiator, individual headlight stanchions, new instrument panel and use of new color schemes. As on the 52 and 62 models, the Chrysler Red Head high compression cylinder head is standard on the roadster model, and is available on other models at slightly additional cost.

Following is a list of the body models offered:

2-4-pass. Roadster	$1,495
2-4-pass Coupe	1,545
4-pass Coupe	1,595
5-pass Closed Coupled Sedan	1,595
5-pass Royal Sedan	1,595
5-pass. Crown Sedan	1,745
2-4 pass. Convertible Coupe	1,745

In design the new engine follows previous Chrysler practice and represents a combination of features taken from the



Chrysler 72 close coupled sedan listing at $1,595

GRASS SHEARS

Crucible steel blades, hardened and tempered; japanned handles raised to give full clearance to the hand; tempered coil spring and end latch.

Per Doz

No. 09—Length over all 12 ins $26 25

One half doz in carton; wt per doz 12 lbs.

Straight blades, shanks and spring, stamped and forged from one piece of steel; shanks and cutting edges polished; spring natural finish.

Per Doz

No. 16—Length blades 5½ ins; length over all 12 ins.. $8 70

Half doz in cardboard box; wt per doz 8½ lbs.

Straight blades, shanks and spring, stamped and forged from one piece of steel; natural finish.

Per Doz

No. 15½—Length blades 5½ ins; length over all 12 ins.. $7 80

Half doz in cardboard box; wt per doz 8 lbs.

LAWN TRIMMERS

—BLUE GRASS—

Shears are of steel, carefully ground and tempered, securely fitted into handles and mounted on two steel wheels; handles hardwood, varnished; bright steel ferrules.

Each

No. BG1062—Length blades 11 ins; length handles 36 ins $9 00

Packed loose, wrapped; wt each 10 lbs.

N. W.

Shears are of best quality steel, ground and tempered; malleable iron castings; hardwood handles bolted to shanks.

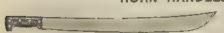
Per Doz

No. 1—Length blades 7 ins; length handles 48 ins $57 00

Quarter doz trimmers in wood box, handles loose; wt per doz 60 lbs.

MACHETES

HORN HANDLES



Extra quality steel blade, hand forged; horn handle; securely fastened with five iron rivets.

Per Doz

No. 460-24—Length 24 ins $66 00

Two doz in box.

HOUSEHOLD LUBRICANT

For lawn mowers, sewing machines, bicycles, etc.; will not gum or corrode; put up in tins.

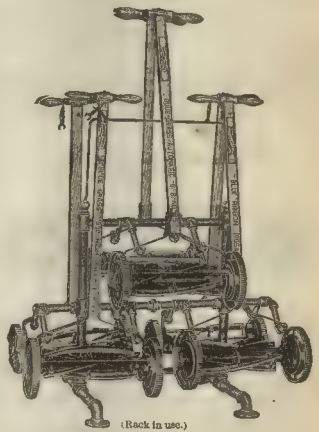
Per Doz

No. 4—Contents 4 ozs $3 75

Three doz in wood case; wt per doz 6 lbs.

LAWN MOWER DISPLAY RACKS

—BLUE GRASS—



(Rack in use.)

Black wrought steel pipe, aluminum bronze and gold finish. For displaying all width lawn mowers. 1¼ inch base and uprights fitted with floor flange with screw holes for fastening to floor; 1 inch cross members and ¾ inch hanger arms.

Each

No. BG-100—Accommodates 6 lawn mowers. Height over all 51½ ins; width base 26½ ins; length base 30 ins; floor space 40x26½ ins $49 50

K. D., one in bdle; wt each 55 lbs.

LAWN MOWERS
"TRAIN OF GEARS"

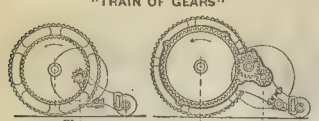


Illustration of Internal Gear. No. 47

Illustration of Train of Gears. No. 1890

Used On Blue Grass Mowers No. 1890 and No. 47.

Advantage of a Train of Gears over Internal Gear.

Train geared mowers run more easily and steadily owing to their great length of wheel base. Driving wheels may drop in a rut, but before the knives reach it the wheels are out again and the grass is cut smoothly, because the wheels and roller span the rut.

There is an additional advantage of better distribution of wear and tear and increased power and speed. The action is on the forward side of pinion and pull is down toward bed-knife, so when strain or cutting occurs the revolving cutter is always firm against bed-knife and cuts smooth.

Ball-Bearing Device used on Blue Grass Mowers.

Has 7/16 inch best quality steel balls. All ball-bearing cones are of best quality steel, thoroughly case hardened, ball race ground to a perfect cylinder. Cones are tested before adjusted to the revolving cutter shaft.

All perfectly ground, dust proof, and made with as great a degree of perfection as the finest bicycle.

All blades are of highest grade crucible steel, tempered in oil. Revolving cutters are made a perfect cylinder by being ground on special grinding machines.

Stationary Knife Bar On Blue Grass Mowers.

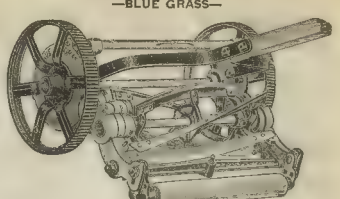
Stationary knife bar is squared in a most particular manner. The ends of knife bar being faced and the bottom of bar planed where stationary blade is attached. In the end of each stationary knife bar is inserted a steel cone, which is pivoted in the side plates and held firmly in place by heavy machine bolts, making the machine absolutely rigid.

Stationary Blade On Blue Grass Mowers.

The stationary blade used on all Blue Grass Mowers are made from Disston saw steel and has a certain springy character that allows the revolving cutter to have a perfect joint at all times with the stationary blade; without frequent adjustment of the stationary blade; as is the case with most lawn mowers, using the thick heavy stationary blade which is very stiff and will not allow for any slight difference in the wearing qualities of the revolving blades.

The ratchets used on the Blue Grass Mowers are noiseless and never in operation when the mower is trundled from place to place or pulled backward. All mowers of similar character have noisy ratchets with working pins that are in operation at all times, shortening their life.

LAWN MOWERS
—BLUE GRASS—



Ball-Bearing. High Grass. Triple Gear. Drive Wheels 10½ Inches Diameter, Cutter 6 Inches Diameter.

Triple gear open frame, long wheel base, five high grade crucible cast steel cutter blades, dust proof ball-bearing journals, knife bar mounted on milled steel cones, has a train of gears and drives from both ends; both revolving cutter and driving wheels operate on ball-bearings, so constructed that they never require adjusting. Silent in operation. Has patented center adjustment for adjusting the stationary blade at center to the revolving blades, independent of the ends.

Finished in red, silver and gold; varnished hardwood handle.

Nos.	1890-14	1890-16	1890-18	1890-20
Width cut, ins	14	16	18	20
Weight each boxed, lbs	63	65	68	72
Each	$40 50	42 75	45 00	47 25

One in wood box; handle loose.

Ball-Bearing. High Grass. Double Gear. Drive Wheels 11 Inches Diameter, Cutter 6 Inches Diameter.

Extra long wheel base causing mower to run smoothly and cut easier over rough ground. Five heavy revolving cutter blades of extra heavy crucible cast steel. Stationary blade made of Disston crucible cast saw steel tempered in oil. Stationary knife bar is pivoted on steel cones. Highest quality dust proof cone and steel balls. Patented ball retainer. Center adjustment of stationary knife bar. By loosing jamb nut and running down screw, stationary blade can be raised at center to revolving cutter independent of the ends. Ball-bearing parts. Ball-bearing cones and cups guaranteed never to wear out or require replacing.

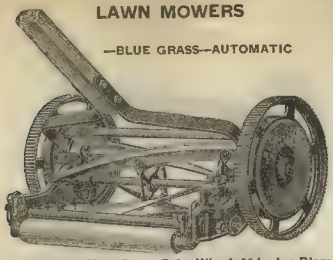
Furnished in red and gold, varnished hardwood handle.

Nos.	47-14	47-16	47-18	47-20
Width cut, ins	14	16	18	20
Wt each, boxed, lbs	55	58	61	63
Each	$34 50	36 75	39 00	41 25

One in wood box, handle loose.

LAWN MOWERS

—BLUE GRASS—AUTOMATIC



Ball-Bearing, High Grass, Drive Wheels 10 Inches Diameter, Revolving Cutter 6 Inches Diameter.

Self-sharpening, no screws or bolts to adjust or rust, without complications, the only adjustment necessary is made with finger and thumb.

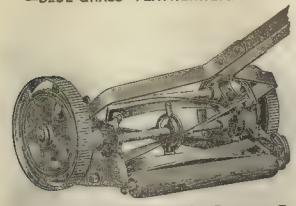
Extra long wheel base; four revolving cutter blades made of crucible steel, equipped with ball-bearings, that will never wear or require adjusting. Silent in operation, adjustable throughout; stationary knife bar pivoted on steel cones. No pressed cups used, cups and cones made of solid cone steel, ground perfect, best quality steel balls.

Finished in gold and carmine, varnished hardwood handle.

Nos.	25-14	25-16	25-18	25-20
Width cut, ins	14	16	18	20
Wt each boxed, lbs	55	59	61	63
Each	$34 50	36 75	39 00	41 25

One in wood box, handle loose.

—BLUE GRASS—FEATHERWEIGHT



Ball Bearing, Drive Wheels 8 Inches Diameter, Revolving Cutter 6½ Inches Diameter.

Popular with women and children on account of extreme lightness. Ideal mower for terraces. Lightest mower ever made.

Four revolving crucible cast steel cutters. Silent in operation; stationary knife bar mounted on cones; cups and cones made of solid cone steel; ground perfect and dust proof; best quality steel balls. Finished in aluminum throughout with gold stripe on blades.

Nos.	100-14	100-16
Width cut, ins	14	16
Wt each boxed, lbs	30	35
Each	$35 25	36 75

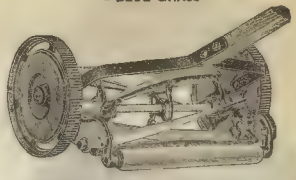
With 2 Inch Wheel Tread For Sandy Soil.

Nos.	100-2-14	100-2-16
Width cut, ins	14	16
Wt each boxes, lbs	33	35
Each	$38 25	39 75

One in wood box; handle loose.

LAWN MOWERS

—BLUE GRASS—



Ball-Bearing.

High wheel 10 inches, cutter 6 inches diameter, four revolving crucible cast steel cutter blades, bed knife of saw steel cups, balls and cones ground perfect and are dust proof, ball bearing, silent in operation.

Finished in blue, silver and gold; varnished hardwood handle. Same ratchet as on ball-bearing high grass lawn mowers.

With Standard Wheels.

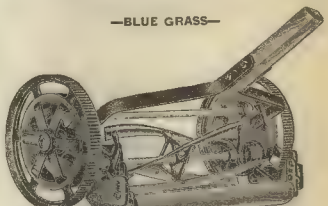
Nos.	1900-14	1900-16	1900-18	1900-20
Width cut, ins	14	16	18	20
Wt each boxed, lbs	48	50	53	58
Each	$28 50	30 00	31 50	33 00

One in wood box, handle loose.

With 2½ Inch Wheel Tread for Sandy Soil.

Nos.	1900-2½-14	1900-2½-16	1900-2½-18
Width cut, ins	14	16	18
Wt each boxed, lbs	50	52	55
Each	$32 10	33 60	35 10

—BLUE GRASS—



Ball-Bearing, High Grass, Drive Wheels 10 Inches Diameter, Revolving Cutter 6 Inches Diameter.

Crucible spring steel ball-pivoted bed-knife; four revolving crucible cast steel cutter blades; all shafting full ⅝ inch diameter; cones and cups will never wear or require adjustment and are made of solid cone steel; ground perfect; dust proof; adjustable throughout; silent in operation; best quality steel balls; patented ball retainer; steel wheel bearings; hardwood roller.

Finished in red, gold and silver; varnished hardwood handle.

Nos.	35-14	35-16	35-18
Width cut, ins	14	16	18
Wt each boxed, lbs	48	50	53
Each	$28 50	30 00	31 50

One in wood box, handle loose.

LAWN MOWERS

—BLUE RIBBON—

Full 5/8 inch diameter revolving cutter shaft used, making a very stiff revolving cutter, other manufacturers use 1/2 to 9/16 inch and the reel is easily knocked out of shape, leaving the grass ragged.

Stationary blades are crucible cast saw steel, tempered in oil.

All revolving blades are crucible cast steel.

Plain Bearing.

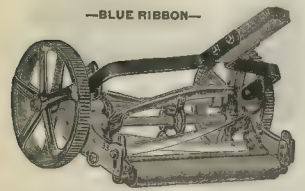
High wheel 10 inches; four revolving crucible steel blades, stationary knife bar pivoted on steel cones; heavy shafting high speed; light running; thoroughly adjustable; continuous cut; self sharpening; heavy long phosphor bronze journal bearings; saw-steel bed knife; hardwood roller; grass catcher attachment.

Finished in green, red and gold; varnished hardwood handle

Nos.	1905A-14	1905A-16	1905A-18
Width cut, ins	14	16	18
Wt each boxed, lbs	47	49	58
Each	$24 75	26 25	27 60

One in wood box, handle loose.

—BLUE RIBBON—



Ball-Bearing, With Set Screw Adjustment.

High wheel 9 inches, cutter 5½ inches diameter, four revolving crucible steel blades, open wheels, solid steel cones and cups, dust proof, adjustable ball-bearing, silent in operation.

Finished in silver and gold, varnished hardwood handle.

Nos.	1909A-12	1909A-14	1909A-16	1909A-18
Width cut, ins	12	14	16	18
Wt each boxed, lbs	37	39	40	43
Each	$24 75	25 35	26 10	26 85

One in wood box, handle loose.

LAWN MOWERS

—BLUE RIBBON—

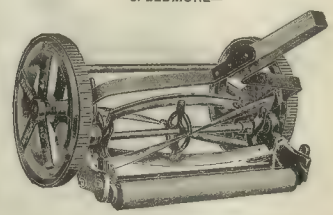
Plain Bearing, With Set Screw Adjustment.

High wheel 9 inches, cutter 5½ inches diameter. Four high quality tool steel, oil tempered revolving blades. Ball pivoted spring steel bed knife. Open spokes in wheel and side plates. High speed, adjustable throughout; silent in operation. All shafting full 5/8 inch in diameter. Finished in aluminum and gold.

Nos.	1913A-14	1913A-16	1913A-18
Width cut, ins	14	16	18
Wt each boxed, lbs	43	45	47
Each	$21 00	22 05	22 80

One in wood box, handle loose.

—SPEEDMORE—



Ball-Bearing.

High 9 inch skeleton drive wheels; 5½ inch revolving cutter with four crucible tempered steel revolving blades; tempered crucible saw steel blade, 5/8 inch revolving cutter shaft and shrub rod. Side plate adjustment. Ball bearing cups and cones, guaranteed never to wear or require adjustment.

Heavy malleable iron spiders; superior grey iron castings.

Finished in silver and gold; varnished hardwood handle.

Nos.	30-12	30-14	30-16	30-18
Width cut, ins	12	14	16	18
Wt each boxed, lbs	43	44	45	46
Each	$25 50	26 25	27 00	27 75

One in wood box, handle loose.

Canes

Popular Numbers at Lowest Prices

One Dozen in a Bundle—No Less Sold

15N78

15N76

15N82

Cane, maple stick, assorted colors, silver finish, white metal heads, corrugated design, nickel ferrule.

No. 15N78. Per dozen..... .85

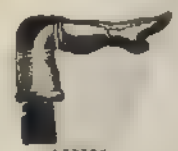
Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal, animal heads, bulldog, hound dog, etc., nickel ferrule.

No. 15N76. Per dozen..... .85

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal square bent horsehoof and ankle design, nickele ferrule.

No. 15N82. Per dozen..... .85

15N57


15N61

15N53

Cane, maple stick, purple, maroon, etc., assorted, metal baseball head, enameled in purple and red, nickel ferrule.

No. 15N57. Per dozen..... [redacted]

Cane, maple stick, finished in purple, maroon, etc., assorted with white metal booted lady's leg top, bent in angle, nickel ferrule.

No. 15N61. Per dozen..... .90

Cane, maple stick, in assorted colors, fancy pressed design, white metal head, silver finish, nickel ferrule

No. 15N53. Per dozen..... .90

15N80

15N81

16N13

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal head, horsehoof and ankle design, nickel ferrule.

No. 15N80. Per dozen..... .90

Cane, maple stick, mahogany finish in assorted colors, nickel polished white metal head embossed in fancy floral design design with heavy stem embossed to match; nickel ferrule

No. 15N81. Per dozen..... .90

Cane, heavy maple stick, mahogany finish, in purple, maroon, etc., assorted, with fancy embossed design metal head brass polished, nickel ferrule

No. 16N13. Per dozen..... .90

16N12

16N11

15N79

Cane, maple stick, mahogany finish, purple, maroon, etc., with machine turned head, enameled in colors, assorted, nickel ferrule.

No. 16N12. Per dozen..... .90

Cane, maple stick, mahogany finish, purple, maroon, etc., with machine turned carved head, fancy design in assorted colors, nickel ferrule

No. 16N11. Per dozen..... .90

Cane, maple stick, in purple, maroon, etc., assorted alligator embossed, silver finish, white metal ball top, nickel ferrule.

No. 15N79. Per dozen..... .90

16N23

15N88

15N74

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, royal bronze color, highly finished horsehead top, nickel ferrule.

No. 16N23. Per dozen..... .90

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal, extra size, bent handle, booted lady leg design, nickel ferrule.

No. 15N88. Per dozen..... .95

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, round head of polished white metal, fancy embossed floral design, nickel ferrule

No. 15N74. Per dozen..... .95

15N75

15N96

16N18

Cane, maple stick, mahogany finish, purple, maroon, etc., assorted, polished white metal head, embossed basket pattern, nickel ferrule.

No. 15N75. Per dozen..... .95

Golf Cane, select maple sticks, enameled in oak grain, golf club shape head of white metal, nickel plated and polished, nickel ferrule. A cane that is popular.

No. 15N96. Per dozen..... .95

Cane, maple stick, mahogany finish in purple, maroon, etc., assorted polished and nickeled, white metal, large size, parrot head top, nickel ferrule.

No. 16N18. Per dozen..... 1.60

Canes

Big Leaders Attractively Priced
One Dozen in a Bundle—No Less Sold

16N20

16N39

16N30

Cane, maple stick, mahogany finish in purple, maroon etc, assorted, polished and nickeled white metal, large size, chicken claw handle, holding a ball, nickel ferrule.
No. 16N20. Per dozen..... 1.00

Cane, heavy maple stick, mahogany finish, in maroon, purple etc, assorted, 1½ in white metal heads made in the shape of a dice set on one corner.
No. 16N39. Per dozen..... 1.00

Cane, heavy maple stick, mahogany finish in purple maroon, etc, assorted; extra large gilt and silver finished, white metal handle, twisted design, nickel ferrule.
No. 16N30. Per dozen..... 1.05

16N19

16N22

16N38

Cane, maple stick, mahogany finish, in purple maroon, etc., assorted, silver finish white metal large size cameo head, nickel ferrule
No. 16N19. Per dozen..... 1.10

Cane, maple stick, mahogany finish, in purple, maroon etc., assorted gilt finish nickel ferrule.
No. 16N22. Per dozen..... 1.10

Cane, heavy maple stick, mahogany finish, in purple, maroon etc, assorted 1½ in. silver finished metal head made in exact shape of rugby football; a very fine emblematic cane for any rugby football team nickel ferrule
No. 16N38. Per dozen..... 1.10

16N28

16N33

Cane, extra heavy maple stick, mahogany finish, in purple, maroon etc assorted gilt and silver, polished white metal, extra large horsehead bent handle, nickel ferrule
No. 16N28. Per dozen..... 1.30

Cane, heavy maple stick, luster black finish, 2 in. white metal head gilt and silver finish, top embossed with art portrait, nickel ferrule.
No. 16N33. Per dozen..... 1.20

16N35

16N14

16N43

Cane, select maple stick, luster finish in black, etc, large size top made of white metal fancy design with fancy embossings, art figure in end, gilt and silver finish, nickel ferrule
No. 16N35. Per dozen..... 1.25

Cane, extra heavy maple stick in purple, maroon, etc., large size metal elephant head finished gilt and silver, assorted. This is one of the most popular sellers.
No. 16N14. Per dozen..... 1.30

Cane, heavy maple stick, mahogany finish, black maroon, etc., white metal head, in gilt and silver finish, nice embossed patterns, very neat.
No. 16N43. Per dozen..... 1.30

16N37

16N40

16N14

Cane, heavy maple stick, mahogany finish, in purple, maroon, etc assorted, metal head, gilt and silver finished, raised embossed in various figures, jugs, ears of grain etc., nickel ferrule.
No. 16N37. Per dozen..... 1.35

Cane, heavy maple stick, mahogany finish, in purple, maroon etc, assorted heavy metal handle embossed imitation hobnail heads all over in raised effect, nickel ferrule.
No. 16N40. Per dozen..... 1.35

Cane, heavy maple stick, mahogany finish, purple, maroon, etc, assorted, nickeled white metal head, fancy embossed shield; a new style, nickeled ferrule
No. 16N41. Per dozen..... 1.40

Wood Cane Rings

Wood Cane Rings, extra heavy weight, best ring ever made for this purpose; 50 of one size in package.

No. 17N22. 1⅝ inches inside. Per 100..... 1.15

No. 17N23. 1¾ inches inside. Per 100..... 1.15

No. 17N21. "Half Dollar" size wood rings for knife racks, peg games, etc. 50 in package.
Per 100..... 1.15

CANE RACKS

Our Cane Racks are made of Strong Twisted Fish Cord, bound with heavy canvas all around, with finished loops in each corner, supplied with brass eyelets, ready to set up.

No. 16N80.	Size 4x5 feet	Each.....	1.50
No. 16N81.	Size 5x6 feet	Each.....	1.75
No. 16N82.	Size 6x6 feet	Each.....	
No. 16N84.	Size 7x7 feet	Each.....	2.70

Cane Assortments

Cane Assortment, good maple sticks China heads, glazed finish, assorted colors. Three assorted designed heads to the dozen. One dozen in bundle.
No. 16N82. Per dozen..... .60

Cane Assortment, Maple Sticks, China heads in blue and brown glaze finish. Assorted heads such as Monkey, Negro Lion, Bull Dog, Ladies heads, etc., to the dozen.
No. 16N51. Per dozen..... .70

Cane Assortment From The Factory

We own and have operated for years our own cane factory. Others may give you the same number of canes at the same price, but have you compared the quality?

PRICES ON CANE ASSORTMENTS DO NOT INCLUDE NETS, CANE RACKS OR RINGS.

5.00 Cane Assortment

An excellent assortment, consists of 100 canes, in large variety of metal, wood and China heads, assorted colors and variety of sticks.
No. 16N85. Per assortment..... 5.00

15.00 Cane Assortment

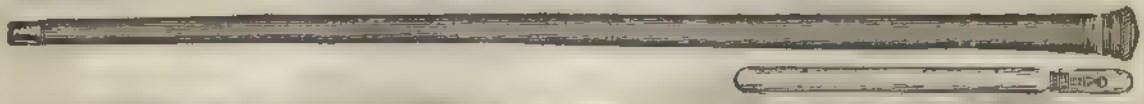
Favorite Cane Assortment. It contains a generous sprinkling of the better quality canes. In it you find a large variety of tall toys, fancy mottled, assorted colors metal, wood and china heads. This assortment is very attractive and will insure a large crowd. Consists of 250 canes.
No. 16N87. Per assortment of 250 canes..... 15.00

10.00 Cane Assortment

This set is an ideal selection of popular goods, a big variety of handtops in assorted colors. Engraved metal wood and china heads. Assortment consists of 175 canes. More high priced canes than in the $5.00 assortment.
No. 16N86. Per assortment of 175 canes..... 10.00

25.00 Cane Assortment

Our 25 Dollar Cane Assortment. This is the best representative assortment of canes ever shown. Consists of 400 canes in many styles, finely turned maple and fancy mottled sticks. Variety of metal, wood and china heads. A high class assortment containing many of our highest priced canes.
No. 16N88. Per assortment of 400 canes..... 25.00



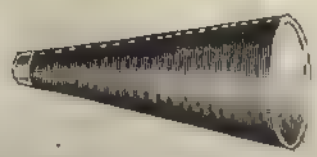
Novelty Liquor Cane. The latest novelty in canes, made of wood 36 inches long with metal screw and ferrule. The screw on head shows concealed glass liquor container 7½ inches long. The container will hold a generous amount of any liquid.
No. 16N74. Per dozen..... 9.00 | Each..... .80

Megaphones For Ballyhoo

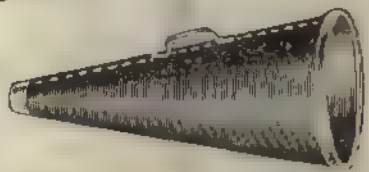
Much better than we ever carried before. Seamless heavy reddish-brown fibre board horn. Wood mouthpiece. Very sightly.

11 Inches Long. 2¼ in. diameter at large end.
No. 14N57.
Per gross 10.00
Per dozen .90

14 Inches Long. 2¾ in. diameter at large end. Glossy Varnish finish.
No. 14N55.
Per gross 22.80
Per dozen 2.00



Megaphone is made of good quality fibre board with heavy spun aluminum mouth secured riveted on. Assorted red and green. Size 20 inches over all.
No. 14N70. Per dozen 6.00



Made of very heavy grade fibre board. These megaphones have metal mouthpieces and rims are equipped with neck handle. Assorted red and green made in 2 sizes.

No. 14N71.
22 inches.
Per dozen 10.20

No. 14N72.
30 inches.
Per dozen 15.00

Gentlemen's Imported Walking Canes

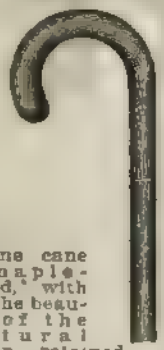
Fashion has decreed that canes are the proper dress accessory for the coming season. We offer the newest styles in canes, the ones that will be in demand. Each cane is the highest grade to be obtained at the price. The workmanship is excellent throughout the entire line. Here you will find several numbers that are especially suitable for conventions.

Special value in a low priced, jointed, flexible bamboo cane. Natural color. Crook handle. Nicely finished. Metal ferrule.

No. 16N68.
Per gross 10.80
Per dozen 1.00

Attractively carved, jointed bamboo cane. Crook handle with knurled end. Natural bamboo color. Metal ferrule. Light in weight and flexible.

No. 16N70.
Per dozen 3.00



Fine cane of maplewood, with all the beauty of the natural grain retained. Fine polished natural color finish. Handle as shown. Metal ferrule.

No. 16N106.
Per dozen 4.75

Your choice of maplewood in 2 finishes at the price quoted. One is in the natural or maple shade and the other is a rich red mahogany. Crook handle. Horn ferrule.

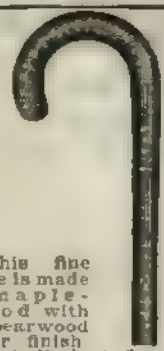
No. 16N101. Natural finish. Per dozen 6.75
No. 16N102. Mahogany finish. Per dozen 6.75

A heavy, strong cane of maplewood with a fine polished finish. Dark red mahogany shade. Horn ferrule. Crook style of handle. Attractive in appearance.

No. 16N103.
Per dozen 9.00

Handsomely polished ridge jointed maplewood cane. Two-tone partridge color effect. Bent crook handle. Horn ferrule. Looks like a much higher priced cane.

No. 16N104.
Per dozen ..... [redacted]



This fine cane is made of maplewood with a pearwood color finish. The indistinct fine natural grain is all retained which adds to the richness of its appearance. Ferrule of horn. Neat crook handle.

No. 16N105.
Per dozen 10.50

Beautiful in appearance, with burnt joints, this maplewood cane has a mottled two-tone partridge coloring, showing the long grain of the wood. Style of handle is the favored crook. Horn ferrule.

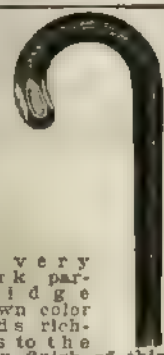
No. 16N108.
Per dozen ..... [redacted]
Each 1.10

Mottled partridge color with white Galalith inserts in the crook handle, this fine cane is an exceptional value at our price. Horn ferrule. Rich and elegant in looks.

No. 16N107.
Per dozen 16.50
Each 1.50

A maplewood cane that is very toppy in appearance, with its white Galalith inserts in fancy design on crook handle and side of stick. The color is a pearwood shade with natural graining. High polished finish. Horn ferrule.

No. 16N108.
Per dozen 16.50
Each 1.50



A very dark partridge brown color adds richness to the satin finish of this maplewood walking stick. The crook handle is embellished with blond Galalith inserts. Horn ferrule.

No. 16N109.
Per dozen 18.00
Each 1.85

The last word in high grade maplewood walking sticks. Made in the ever popular jointed style with knurled crook handle. Two-tone brown color with light and dark graining. Horn ferrule.

No. 16N110.
Per dozen 18.00
Each 1.85

CARRIAGE HARDWARE

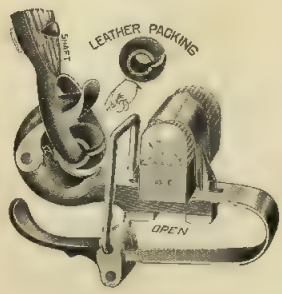
FIFTH WHEELS

No. 19 Plain Full Circles

	List Price Per Pr.		List Price Per Pr.
1¼" x ⅞" x22"	$ 2.90	1¾" x 1½" x30"	$ 9.00
1¼" x ⅜" x24"	3.80	2" x 1½" x30"	10.20
1½" x 1/16" x24"	5.40	2" x ⅝" x30"	12.80
1½" x ⅛" x26"	5.00	2" x 1½" x32"	10.90
1½" x 1½" x26"	6.60	2" x ⅝" x32"	13.60
1½" x 1½" x28"	7.20	2" x 1½" x34"	11.60
1¾" x 1½" x28"	8.40	2" x ⅝" x34"	14.50
2" x ⅝" x28"	9.50	2½" x ⅝" x36"	19.10
1½" x 1½" x30"	7.60	2" x ⅝" x36"	15.30

"BRADLEY" SHAFT COUPLINGS

Complete



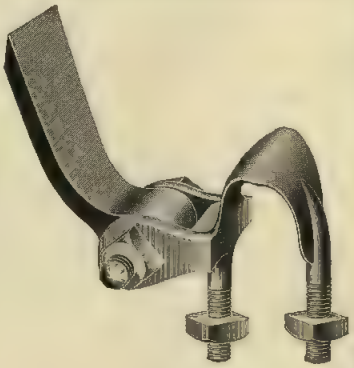
	Per Pair		Per Pair
No. 71 (Pony)	$ 0.00	No. 9	$ 0.00
No. 8	.00	No. 10	.00

Washers, all sizes, per Dozen Pair ..... $ 0.00

Bradley Shaft and Pole Eyes

	Per Pair		Per Pair
No 71	$ 0.00	No. 9	$ 0.00
No 8	.00	No. 10	.00

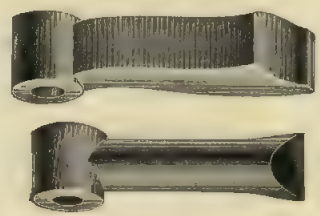
FINISHED SHAFT AND POLE COUPLINGS



With Eyes and Bolts.

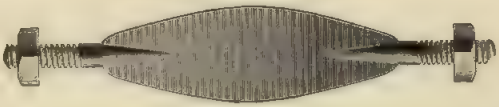
Eye	Bolt	Clip	List Per Pr.
⅞"	⅝"	2⅛"	$ 0.80
1" Light	⅛"	3"	.80
1" Heavy	⅞"	3¼"	.93
1⅛"	⅞"	3⅝"	1.25
1¼"	⅞"	3⅞"	1.45
1⅛"	⅞"	4⅛"	1.88
1½".	1"	4⅝"	2.12
1¾"	1½"	6½"	4.65

POLE AND SHAFT EYES



	List Per Pr		List Per Pr
⅜" & 1"	$ 0.30	1½"	$ 0.65
1⅜"	.35	⅝"	1.40
1⅝"	.45		

CONCORD AXLE CLIPS



Trade No	Size of Stem	Length of Flat	Width of Flat	Per Hundred	Trade No.	Size of Stem	Length of Flat	Width of Flat	Per Hundred
4½	⅝"	4½"	1⅝"	$ 14.50	7½	⅞"	7½"	1¾"	26.50
5	⅝"	5"	1⅞"	16.50	8	⅞"	8"	1¾"	28.50
5½	⅝"	5½"	1⅞"	18.50	9	⅞"	9"	1¾"	32.50
6	⅞"	6"	1⅞"	20.50	10	⅞"	10"	1¾"	36.50
6½	⅞"	6½"	1⅞"	22.50	11	⅞"	11"	1¾"	40.50
7	⅞"	7"	1¾"	24.50					

SPRING BAR CLIPS

Trade No.	Size of Stem	Length of Flat	Width of Flat	Per Hundred	Trade No.	Size of Stem	Length of Flat	Width of Flat	Per Hundred
4¼	⅝"	4⅛"	⅞"	$ 10.75	6⅜	⅝"	6⅛"	⅝"	15.25
4¾	⅝"	4⅝"	⅞"	11.75	7	⅝"	7"	⅝"	16.25
5¼	⅝"	5⅛"	⅝"	12.75	7¾	⅝"	7⅜"	⅝"	17.75
5¾	⅝"	5⅜"	⅝"	13.75					

AXLE CLIPS

Trade No	Size of Stem	Length of Flat	Width of Flat	Per Hundred
2	⅝"	2"	⅞"	$ 7.00
2¼	⅝"	2¼"	⅞"	7.00
2½	⅝"	2½"	⅞"	7.00
2¾	⅝"	2¾"	⅞"	7.00
3	⅝"	3"	⅞"	7.00
3¼"	⅝"	3¼"	⅞"	7.00
3½	⅝"	3½"	⅞"	7.50
3¾"	⅝"	3¾"	⅞"	8.00
4	⅝"	4"	⅞"	8.50
4¼	⅝"	4¼"	⅞"	9.00
4½	⅝"	4½"	⅞"	9.50
4¾	⅝"	4¾"	⅞"	10.00
5	⅝"	5"	⅞"	10 50
5¼	⅝"	5¼"	⅞"	11.00
5½"	⅝"	5½"	⅞"	11.50
6	⅝"	6"	⅞"	12.50
7	⅝"	-	⅞"	14.50

HEAVY AXLE WAGON CLIPS

Trade No.	Size of Stem	Length of Flat	Width of Flat	Per Hundred
2¼	¼"	2¼"	1¼"	$ 8.00
3	¼"	3"	1¼"	8.00
3¼	⅛"	3¼"	1¼"	8.75
3½"	⅛"	3½"	1⅛"	9.50
4	⅛"	4"	1¼"	11.00
4½	⅜"	4½"	1¼"	12.50
5	⅛"	5"	1¼"	14.00
5½"	⅜"	5½"	1¼"	15.50
6	⅜"	6"	1¼"	17 00
6½	⅜"	6½"	1¼"	18.50
7	⅜"	7"	1¼"	20.00
7¼	⅜"	7¼"	1¼"	20.75
7½"	⅜"	7½"	1¼"	21.50
8	⅜"	8"	1¼"	23.00

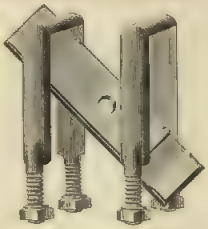
BREWSTER SIDE BAR CLIPS

Long Stem, 2 inches; Short Stem 1¼ inches.

Trade No	Size of Stem	Length of Flat	Width of Flat	Per Hundred
2½	⅝"	2½"	⅞"	$ 7.00
3	⅝"	3"	⅞"	8.00
3¼	⅝"	3¼"	⅞"	8.50
3½	⅝"	3½"	⅞"	9.00
3¾	⅝"	3¾"	⅞"	9.50
4¼	⅝"	4¼"	⅞"	10.50
4¾	⅝"	4¾"	⅞"	11.50

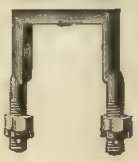
CARRIAGE HARDWARE Continued

THREE PIECE SADDLE CLIPS



Size of Spring	Length of Flat Part	Size of Stem	Per 100 Sets
1¼"	1⅜"	⅜"	$ 24.00
1¼"	1⅜"	½"	24.00
1¼"	2"	⅜"	24.00
1¼"	2"	½"	24.50
1½"	2½"	½"	25.00
1½"	2¾"	½"	25.50
1½"	3"	½"	26.00
1¾"	3"	½"	26.50
1¾"	3½"	½"	27.00

AUTOMOBILE SPRING CLIPS



	List Pr 100
1½" Spring x ⅛"x1"	$ 34.00
1½" Spring x ⅛"x1½"	34.50
1½" Spring x ⅛"x1⅝"	35.00
1¾" Spring x ⅛"x1"	36.50
1¾" Spring x ⅛"x1⅛"	37.00
1¾" Spring x ⅛"x1½"	37.50
1⅞" Spring x ⅛"x1⅜"	37.50
2" Spring x ⅛"x1⅜"	39.50
2" Spring x ⅛"x1½"	39.50
2" Spring x ⅛"x1¾"	41.50
2" Spring x ⅛"x1⅞"	41.50
2" Spring x ⅛"x1⅝"	46.00
2" Spring x ⅛"x2⅛"	48.50
2¼" Spring x ⅛"x2"	48.50
2¼" Spring x ⅜"x2⅛"	83.00
2½" Spring x ⅜"x1¾"	70.25
2½" Spring x ⅜"x2¾"	91.00

STEEL FELLOE PLATES

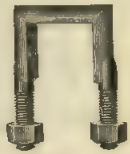
Per Lb.

¾", ⅞", 1", 1¼", 1½", 1¾", 1½", 1¾", 2"..... $ 0.00

SPRING CLIPS FOR FORD AUTOMOBILES

Model T.

Front



Rear

	Pr. Each
Standard Front	$ 0.25
Standard Rear	.25
Extra Long Front	.25
Extra Long Rear	.35

BRADLEY COUPLING CLIPS

Wide Center

	List Pr Per 100
2¾"x⅜"	$13.75
3" x⅜"	14.50
3¼"x⅜"	15.25
3½"x⅜"	16.00

PLAIN WROUGHT CLIP YOKES

Per Lb

⅛"x⅜", 1", 1⅛", 1¼", 1⅜", 1½" $ 0.00

⅜"x1⅛", 1¼", 1⅜", 1½", 1⅝", 1¾", 2" .00

⅛"x1¼", 1⅜", 1½", 1¾", 2" .00

½"x1¾", 1½", 1¾", 2" .00

CARRIAGE HARDWARE Continued

ANTI-RATTLERS

Doz. Pr

Fernald's New Tool Johnson ..... $ 0 00

Burton's Anti-Rattler & Bolt Holder No. 1

Pat Nov. 15, 1887.
Trade Mark "Burton" Registered Oct. 5, 1897.

Doz. Pr.

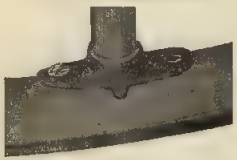
Burton's No 1 Anti-Rattlers. ..... $ 0.00

Burton's Anti-Rattler No. 5.
Trade Mark "Burton" Registered Oct. 5, 1897.

Per Doz

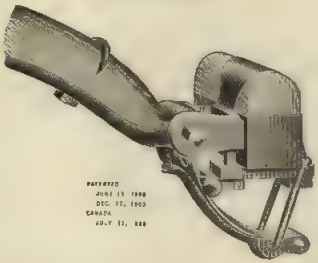
Burton's No. 5 Anti-Rattlers ..... $ 0.00

HOLD FAST SPOKE BRACE



For mending broken spokes in a buggy or express wagon wheel. The best and simplest article ever made to mend a spoke broken at the rim and make it stronger than ever. Price per dozen. ..... $ 0.00

ANTI-RATTLERS



Doz Pr

Fernald's Quick-Shifters—¾" and ⅞" ..... $ 0.00
Fernald's Quick-Shifters—1½" ..... .00

Ladd Anti-Rattler.

Doz Pr.

Ladd's No. 1 Anti-Rattlers.. $ 0.00
Ladd's No. 2 Anti-Rattlers 0.00
Ladd's No. 3 Anti-Rattlers 0.00

FINISHED CLIP KING BOLTS

With or Without Collar

Each

½" Stem 4" Clip ⅝" Thread ..... $ 0.00

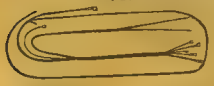
⅝" Stem 4½" Clip ⅞" Thread ..... .00

⅝" Stem 5" Clip ⅜" Thread .00

¾" Stem 5½" Clip ⅞" Thread ..... .00

LIGHTING WIRE ASSEMBLIES

LIGHTING WIRE ASSEMBLY FOR FORD CARS



Good quality loom, complete lighting wire assembly; all wires are different color.

	1919 to 1925 Models Per 100
No. A-5041—Wire, lighting	$147 00
1926 Model.	270 00

No. A-5041E—8 wire.
Packed loose.

SWITCH TO TERMINAL BLOCK ASSEMBLY FOR FORD CARS

	1919 to 1925 Models. Per 100
No. A-5042—Wire switch sedan	$117 00
No. A-5043—Switch Wire	102 00
1926 Models.	
No. A-5042B—Coupe, touring and roadster	147 00
No. A-5043D—Truck and Fordson Tractor	147 00

Packed loose

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ½ inch 18 thread A. L. A. M.
See Chart on Pages 2693 and 2694.

CHAMPION "X," For Ford Cars, Trucks and Fordson Tractors.

½ inch, Two piece.

	A-A15-X
No.	$1 35
Less than 100, Each	1 23
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION "X," For Ford Cars.

½ inch, long, Two piece.

	A-A25X
No.	$1 35
Less than 100, Each	1 23
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION

½ inch, Standard, Two piece.

	A-1
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION

⅜ inch, Regular, Two piece.

	For Willys Knight 4. A-3	A-31
Nos.	$1 59	1 59
Less than 100, Each	1 50	1 50
100 or more, Each		

One in cardboard box, ten in carton; wt each ¼ ozs.

No. A-31

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ½ inch, 18 threads A. L. A. M.
See Chart on Pages 2693 and 2694.

⅜ inch, long, regular, two piece.

	A-2
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box; 10 in carton; wt each 5 ozs.

CHAMPION
For Willys-Knight Six.

⅜ inch long body regular, two-piece.

	A-4	A-41
Nos.	$1 59	1 59
Less than 100, Each	1 50	1 50
100 or more, Each		

One in cardboard box, ten in carton; wt each about 6 ozs.

CHAMPION

⅞ inch, long regular, two piece.

	A-5
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION

⅛ inch, long, Standard, Two piece.

	A-6
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION

½ inch, long, Two piece.

	A-7
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

CHAMPION

Metric, long standard. For Hudson from 1921 Essex and Wills St. Claire cars.

	A-9
No.	$1 59
Less than 100, Each	1 50
100 or more, Each	

One in cardboard box, ten in carton; wt each ¼ ozs.

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch, 18 thread A. L. A. M.

CHAMPION

Priming, two piece.

Nos.	A-H14	A-H44
Size, ins.	½	⅞
Less than 100, Each	$2 10	✤2 10
100 or more, Each	1 95	✤1 95

One in cardboard box, ten in carton; wt each 6 ozs.

PORCELAINS

CHAMPION

No. A A104 — No. A-A204 — No. A-A105 "X" — No. A-A205

Nos.	For Plug Nos.	Less than 100 Each	100 or more Each
A-A2-104	A-2	✤$0 81	✤$0 75
A-A104	A-A1, A8, A9	✤ 81	✤ 75
A-A105X	A-A16X	66	63
A-A205	A-A25	66	63
A-A204	A-3, A-4, A-5, A-6, A-7	✤ 81	✤ 75
A-H104	A-H14, A-H44	✤ 81	✤ 75

One in cardboard box, ten in carton.

SPARK PLUG GASKETS

Patented copper gaskets. For all Champion Spark Plugs.

	Per 100
No. A-A131—Upper	$4 05
No. A-A136—Lower	4 05

Sheet copper; asbestos lined. For ¾ inch Spark Plugs.

	Per 100
No. A-515—100 in carton	$1 95

SPARK PLUGS

A. C. FORD SPECIAL

Carbon Proof.

Spring terminal clip permit wire to be instantly detached and reconnected while motor is running. Facilitates testing spark plug and coil. No nut to be unscrewed or lost. By merely unscrewing the bushing, plug may be taken apart. Only one gasket is used. Patented carbon proof porcelain. Saw tooth edges attain sufficient heat to burn off deposits thus offering effective resistance to carbon.

Nos.	One Piece A-1075	Two Piece A-1075-2
Less than 100, Each	1 08	1 08
100 or more, Each	1 02	1 02
List Price, Each	*$0 50*	*50*

One in cardboard box, ten in carton; wt each 3 ozs.

✤F. O. B. Ohio Factory Only.

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch, 18 thread A. L. A. M.

A. C. REGULAR

Equipment on Cadillac, Flint, Jewett, Star and Ajax, for use on Hupmobile.

No.	A-A
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

Carbon Proof.

No.	A-ACP
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

One in cardboard box; ten in carton; wt each 3 ozs.

A. C. LONG

Regular equipment on Buick to 1924, Chevrolet, Oakland, Pontiac and Cleveland; also Howel, Sampson tractors, Olds Trucks and Midwest engines.

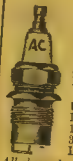
No.	A-8
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

Carbon Proof.

No.	A-BCP
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

A. C. S. A. E. LONG

Equipment on Buick, Nash, Oldsmobile Six, Oakland to 1924.



No.	A-C
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

Carbon Proof.

No.	A-CCP
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

All above plugs one in cardboard box; ten in carton; wt each 4 ozs.

A. C. DODGE SPECIAL

No.	A-D
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

Carbon Proof.

No.	A-DCP
Size, ins.	⅞
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	*$0 75*

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch 18 thread A. L. A. M.

A. C., S. A. E. REGULAR

For use on Studebaker, Durant "6" Marmon, Stearns-Knight and Velie.

No.	A-E
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

Carbon Proof.

No.	A-ECP
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

One in cardboard box; ten in carton; wt each 3 ozs.

A. C., REGULAR

Carbon Proof.

For Overland Four, Studebaker to 1920 and all motors using ½ inch regular plug.

No.	A-F
Size, ins.	½
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

A. C.

Regular metric, heavy electrode. Recommended for busses, trucks and tractors.

No.	A-G-I
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
	$0 75

One in cardboard box; ten in carton; wt each 3 ozs

A. C., S. A. E. EXTRA LONG

Carbon Proof.

No.	A-H
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

A.C., LONG BODY

Regular equipment on Chandler to 1923.

No.	A-I
Size, ins.	½
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

Carbon Proof.

No.	A-ICP
Size, ins.	½
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch 18 thread A. L. A. M.

A. C. TYPE J

Special for Chrysler cars.

No.	A-J
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

One in cardboard box; 10 in carton; wt each 3 ozs.

A. C.

⅞ inch regular heavy electrode. Recommended for busses, trucks and tractors.

No.	A-K
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
	$0 75

One in cardboard box; ten in carton; wt each 3 ozs.

A. C., LONG

Recommended for use on Reo cars and trucks and all motors requiring an extension ½ inch plug.

No.	A-Q
Size, ins.	½
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

Carbon Proof.

No.	A-QCP
Size, ins.	½
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

A. C., REGULAR METRIC

Carbon Proof.

Regular equipment on Essex and Hudson.

No.	A-W
Less than 100, Each	1 59
100 to 299, Each	1 50
300 or more, Each	1 35
List, Each	$0 75

All above plugs one in cardboard box; ten in carton; wt each 3½ ozs.

SPECIAL TERMINALS

For Buick Cars.

BUICK No. A-BT — Per 100 $6 60

SPARK PLUGS

SPLITDORF, FORD SPECIAL

Two piece construction, porcelain insulation. Special copper asbestos gasket seat to protect porcelain. Center electrode threaded and cemented, soled into insulation asbestos yarn gasket elimates vibration and prevents porcelain breakage, Semi-petticoat insulator; special alloy steel electrode.

Per Box of 4

No. A-15—Wt per carton ¼ lbs 3 45
$1 75

Four in cardboard display box.

SPARK PLUG AND MAGNETO FILES

NICHOLSON

For Tungsten Points.

Best grade steel, extra hard; for filing Tungsten points and other similar hard-to-cut metals. Tungsten point files are in correct thickness to gauge the proper width between spark plug terminals. Length cut 3 inches; width ¼ inch; thickness 1/32 inch; ½ inch shank; length over all 5½ inches.

No. A-2NTF
Per Doz . . . . . $ 2 40
Per Gro 27 00

One doz in cardboard box; wt per doz 1¼ lb.

SPARK PLUG CHART

Name	Champion Nos.	A. C. Nos.
PASSENGER		
Ajax	A-3	A-A
Auburn	A-1	A-A
Buick	A-6	A-C
Cadillac	A-2	A-A
Case	A-2	A-A
Chalmers	A-4	
Chandler 1923	A-3	A-A
Chevrolet	A-6	A-B
Chrysler 4 and 6	A-2	A-J
Chrysler Imperial	A-2	
Cleveland	A-3	A-D
Dodge	A-3	A-D
Essex	A-9	A-G
Flint	A-2	A-A
Ford	A-25X	A-1075
Franklin	A-AF53	A-C
Gray	A-6	A-A
Hudson from 1921	A-9	A-G
Hupmobile 4 and 8	A-2	A-A
Hupmobile 6	A-3	
Jewett	A-2	A-A
Jordan	A-4	A-A
Lexington	A-1	A-E
Liberty	A-2	
Lincoln	A-2	A-A
Marmon to 1926	A-3	A-E
Marmon 1926	A-1	A-E
Maxwell	A-4	A-A
Moon	A-4	A-A
Nash	A-6	A-C
Oakland from 1924	A-3	A-B
Oldsmobile 4 and 6	A-6	A-C
Oldsmobile 8	A-2	
Overland 6	A-2	A-I
Overland 4	A-7	A-C
Overland Champion	A-7	
Packard	A-2	A-A
Paige	A-2	A-A
Pierce-Arrow	A-2	A-A

SPARK PLUG CHART

Name	Champion Nos.	A. C. Nos.
PASSENGER		
Reo	A-7	A-Q
Star	A-3	A-A
Stearns-Knight	A-6	A-E
Stud'br Big, Spec and Light 6	A-1	A-E
Stutz 4	A-3	
Stutz 6	A-3	
Stutz 8	A-8	
Willys-Knight 4	A-4	A-I
Willys-Knight Big 6	A-4, A-41	A-I
Willys-Knight Light 6	A-1	
Willys-Knight Great 6	A-2	
COMMERCIAL		
Acme	A-4	A-A
Autocar	A-1	A-A
Bethelem 2T	A-1	A-A
Clydesdale	A-4	A-A
Columbia	A-4	A-A
Commerce	A-1	A-A
Diamond T	A-2	A-A
Dodge	A-3	A-D
Federal	A-2	A-A
Ford	A-25X	A-1075
G. M. C.	A-2	A-D
Graham	A-8	A-D
Indiana	A-1	A-A
Kelly-Springfield	A-2	A-A
Mack	A-2	A-I
Packard	A-2	A-A
Packard	A-3	A-A
Pierce-Arrow	A-2	A-A
Reo	A-7	A-Q
Republic	A-4	A-B
Service	A-1	A-A
Standard	A-4	A-A
St'd 'k'r from 20	A-1	
Transport	A-4	A-A
Triangle	A-4	A-A
U. S.	A-2	A-A
Vim	A-2	
White ¾ Ton and 2 Ton	A-8	A-L
TRACTORS		
Allis-Chalmers	A-6	A-A
Case	A-4	A-A
Fordson	A-25X	A-1075
Holt	A-2	A-A & A-I
Moline Universal	A-7	
Waterloo Boy	A-7	A F

Success in the garage business, as in any other line of business comes through a consideration of what the public wants and demands, and an intelligent catering to those wants in a business-like way. There is no more prospect of success in garage operation without business-like equipment and methods than there is in any other line.

This catalog illustrates and prices everything necessary to fully equip the most modern garage.

MINERS' CARBIDE LAMPS

GUYS DROPPER

Seamless brass. Has 2½ inch deep brass polished reflector intended for miners working in wet places or where the roof is low. Fitted with Guys patented water dropper and valve cleaner. Height 4 inches; diameter of reflector 2½ inches.

No.	28SL
Less than 3 doz, Per Doz	$27 00
3 to 6 doz, Per Doz	26 25
6 doz or more, Per Doz	25 50

Nickel plated, otherwise same as No. 28SL.

No.	280SL
Less than 3 doz, Per Doz	$30 75
3 to 6 doz, Per Doz	30 00
6 doz or more, Per Doz	29 25

One in cardboard box; wt each 6 ozs.

HUNTERS' HEAD LAMPS

"See Dept. 9, page 2360."

JUSTRITE

For Carbide.

Head light of brass, nickel plated, held firmly to cap shield by hook and clasp; lens 2½ inch diameter, ⅛ inch thick, set in hinged frame, equipped with a ¼ foot imported fish tail lava tip and self-lighting attachment. Nickel silver reflector.

Generator—consists of two parts, water tank and carbide container, made of No. 20 gauge lead-coated steel; non-corrosive and non-rusting lock seamed and soldered 4½ inches high, 4½ inches long and 1¾ inches wide. Finished in black enamel. Complete with generator, headlight, rubber tube, belt and pins.

Burns 10 Hours on one Charge.

	Per Doz
No. J44—Complete, less cap	$157 50

One in cardboard box; wt 2 lbs.

REPAIRS FOR JUSTRITE LAMPS

NOTE—Positively will not break packages on repairs for Justrite lamps.

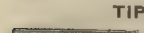
	Per Doz
No. J2—Rubber gaskets	$0 51
No. J4—Valve stems	6 75
No. J5—Felt packing	51
No. J6—Lava burner tips	51
No. J28—Metal shell, lava insert, burner tips	90

One doz in cardboard box.

No. J3—Felt holders	1 20

Half doz in cardboard box.

TIP REAMERS



Justrite.

Hard rust-proof wire designed especially for use on carbide lamp tips.

	Per Doz
No. J-145—Wt per tube 2 ozs	$1 05

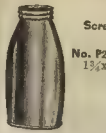
One doz in metal tube.

REAMER CASES

	Per Doz
No. J150—Brass, nickel plated; length over all 2¾ ins	$1 05

One doz in cardboard box; wt per doz 2 ozs.

CARBIDE BOTTLES



Screw Top. IX tin; seams not soldered.

	Per Doz
No. P25—Capacity 1 pt; height 7 ins; size 1¾x3 ins; opening 1¼ ins	$3 90

One doz in carton; wt per doz 4 lbs.

POCKET CARBIDE CONTAINERS

JUSTRITE

Heavy tin, concaved with slide cover and round corners. Fits hip pocket.

	Per Doz
No. J77—Capacity 10 ozs; size 3½x4 ins	$3 30

One doz in carton; wt per doz 2 lbs.

OIL FLASKS

IC plain; seamed and soldered. Screw cap.

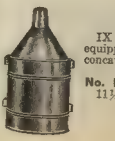
No.	P2-OF
Size ins	1¾x3
Height, ins	6¾
Capacity, pts	1
Per Doz	$5 70

One doz in carton; wt per doz 3½ lbs.

POWDER CANS

	Per Doz
No. P2-PC—IC plain; seamed and soldered; flat handle. Capacity 5 lbs; diam 4¾ ins; height 9½ ins	$7 95

One doz in carton; wt per doz 8 lbs.

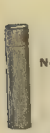


IX tin; seamed and soldered; beaded body equipped with four sling loops, slip cap and concave bottom.

	Per Doz
No. P05-PC—Capacity 5 lbs; height 11¼ ins; size 3x6 ins; 1 in. opening	$7 65

One doz in carton; wt per doz 8 lbs.

SQUIB BOXES



Per Doz

No. P10-SB—IC plain; with cap; capacity 100 squibs; length 7 ins; size 1⅝x⅜ ins $2 10

One doz in cardboard box; wt per doz 1½ lbs.

JUSTRITE ATTACHMENTS

LARGE REFLECTORS FOR JUSTRITE LAMPS

Large reflector; 8 inches in diameter; made of aluminum; highly polished; weight 1¼ ounce; suitable for drivers.

Increases the light to 16¾ candle power. Per Doz

No. J1—Fits any Justrite Miners' Lamp ..... ✤$6 75

One doz in cardboard box; wt per doz 6 ozs.

LAMP CLIPS

Black enameled steel clip for holding cap lamps in rigid position. Easily attached to miners cap or hat. Per Doz

No. J65—Wt per doz ½ lb $2 55

One doz in cardboard box.

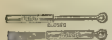
SPRINGS, Steel.

Per Doz

No. J173—Length ¾ in $0 51

One doz in cardboard box; wt per doz ½ oz.

TIP CLEANERS



OPEN

Steel wire brush; brass case. The brush is protected when not in use. Per Doz

No. J37—Length 2¼ ins $3 00

One doz in cardboard box; wt per doz ½ lb.

MATCHLESS REFLECTORS

For Justrite or Baldwin Lamps.

Polished brass. Held firmly around tip holder by means of tightening screw in collar. Will fit Justrite and Baldwin Miners' Lamps. The sparker or igniter on reflector makes matches unnecessary. Per Doz

No. J26—Diam 2½ ins $7 35

One doz in cardboard box; wt per doz 12 ozs.

EXTRA FLINTS, For Matchless Reflectors.

No. J27

Per Doz $0 45

Per Gross 3 60

Packed 1 in a capsule, 12 capsules in cardboard box.

JUSTRITE REPAIR OUTFITS

Contents.

6 doz. rubber gaskets.
3 doz. felt packing.
6 doz. burner tips.
1 doz. cleaning wires.
1 doz. felt holders.
½ doz. valve stems.

No. J20—Wt each 2 lbs. Each $12 00

✤F. O. B. Illinois Factory Only.

BRATTICE CLOTH

Imported Gray unfilled single warp jute duck.

Nos.	5071-36	5071-48	5071-60	5071-72	5071-84
Width roll, ins	36	48	60	72	84
Wt roll, lbs	80	106	125	160	190
Per Sq Yd	$0 66	66	63	✤66	✤69

Imported non-inflammable, gray unfilled double warp jute duck.

Nos.	2098-36	2098-48	2098-60	2098-72	2098-84
Width roll, ins	36	48	60	72	84
Wt roll, lbs	95	130	155	190	215
Per Sq Yd	✤$1 02	✤1 02	✤1 02	✤1 02	✤1 08

Domestic non-inflammable, gray unfilled double warp jute duck.

Nos.	12-36	12-48	12-60	12-72	12-84
Width roll, ins	36	48	60	72	84
Wt roll, lbs	95	130	155	190	215
Per Sq Yd	✤$0 84	✤84	✤84	✤84	✤84

About 50 lineal yds to roll.

CARBIDE

From Louisville Magazine Only.

Union Carbide is carefully screened and packed; contains about 400 to 450 cubic feet of acetylene gas to 100 pounds.

Cameo Carbide is carefully screened and packed; contains about 300 to 350 cubic feet of acetylene gas to 100 pounds.

UNION GENERATOR CARBIDE

In sheet steel drums, contents 100 lbs.

Per 100 Lbs

No. 1—Lump, size 3½x2 ins $16 53
No. 2—Egg, size 2x½ in 16 53
No. 3—Nut, size 1¼x⅝ in 16 53
No. 4—Quarter size, ¼x⅛ in 16 53

UNION MINERS' LAMP CARBIDE

No. 5—In drums, contents 100 lbs ..... Per 100 Lbs 17 91
No. 5A—In cans, contents 25 lbs. In lots of **not** less than 4 cans ..... Per Can 5 07
No. 7—In 2 lb cans ..... Per Case 14 70
No. 8—In 10 lb cans ..... Per Case 16 23

UNION AUTOMOBILE AND BICYCLE LAMP CARBIDE

Per Case

No. 9—Size ½ in., in cans, contents 2 lbs. $14 70
No. 10—Size ½ in., in cans, contents 10 lbs 16 23

CAMEO GENERATOR CARBIDE

In sheet steel drums, contents 100 lbs.

Per 100 Lbs

No. 12—Size 3½x2 ins $15 75
No. 13—Size 2x½ in 15 75
No. 14—Size 1¼x⅝ in 15 75
No. 15—Size ¼x⅛ in 15 75

CAMEO MINERS' LAMP CARBIDE

Per 100 Lbs

No. 16—In drums, contents 100 lbs $17 13

UNION MINERS' LAMP CARBIDE

In less than case lots.

Per Can

No. 7—In cans, contents 2 lbs $0 81
No. 8—In cans, contents 10 lbs 2 85

UNION AUTOMOBILE AND BICYCLE LAMP CARBIDE

In less than case lots. Per Can

No. 9—Size ½ in; in cans, contents 2 lbs $0 81
No. 10—Size ½ in; in cans, contents 10 lbs 2 85

2 lb cans packed 24, 10 lb cans packed 6 in case.

✤F. O. B. Pennsylvania Factory Only.

MINERS CAPS

WITH BARTA LAMP HOLDER

Extra heavy, special waterproof shrunken duck, lined throughout with flannel. 2¼ inch heavy sole leather visor and lamp support with top piece designed to carry correctly any carbide lamp eliminating danger of lamp jarring off.

Per Gro

No. 31W—Assorted sizes 1/5 doz each, 6⅞, 7 and 7⅛..... $139 50

One doz in cardboard box, one gro in carton; wt per gro 48 lbs.

WITH BARTA LAMP HOLDER

Heavy weight, specially shrunken duck, lined throughout with flannel. Visor and lamp holder made of heavy sole leather. Holder will carry any size carbide lamp. Especially designed for use in mines that are equipped with electricity, having overhead wires so that there is no chance for a contact.

Per Gro

No. 37—Assorted sizes 1/5 doz each, 6⅞, 7 and 7⅛..... $150 00

One doz in cardboard box, one gro in carton; wt per gro 50 lbs.

MINERS CARBIDE LAMPS

AUTO-LITE

Polished brass. With self lighter. Gives a 20 candle power light and will burn 3 to 4 hours on each charge carbide. Height 3¾ inches.

Per Doz

No. 106—With 2½ inch silver nickeled reflector $27 00

No. 103—With 3 inch bright brass reflector..... 27 00

One in cardboard box; wt each 5 ozs.

JUSTRITE

With Matchless Reflector.

Polished brass; 4 inch nickel plated reflector; hook riveted to body. Polygon feed; round hook self-lighting attachment. Throws 16 candle power light 250 feet.

Per Doz

No. 747—Burning capacity 2½ hrs; charge 2 oz carbide; height over all 3¾ ins;.....$39 60

One in carton; wt per doz 7 lbs.

MINERS' CARBIDE LAMPS

JUSTRITE

With Matchless Reflector.

Seamless brass. Hook is riveted and soldered; fits all caps. Clasp made of spring brass, holds lamp secure to cap; will fit all standard cap shields.

Burner tip is made of imported lava, with 4 air holes, which prevents carbonizing. Will not clog and does not require agitation in order to obtain water as needed.

JUSTRITE—Lever Feed, With Sparker.

Valve is operated by a lever sliding back and forth over notches, and held firmly in place by a small spring. The sparkler on reflector completely eliminates the use of matches.

Height 4¼ inches; diameter reflector 2¼ inches; 13⅛ candle power. Furnished with one No. J77 carbide container.

Per Doz

No. 85—Lamp only; polished..... $33 00

One in cardboard box; wt each 6 ozs.

JUSTRITE—Polygon Feed, With Sparker.

Valve Control—Lighter Attachment.

The sparker or igniter on reflector completely eliminates the use of matches.

Height 4¼ inches; diameter reflector 2⅝ inches; 15⅛ candle power.

Lamp only; polished brass.

No.	707
Doz lots, Per Doz	$25 50
Gro lots, Per Doz	24 00

One in cardboard box; wt each 6 ozs.

JUSTRITE—Polygon Feed, With Sparker.

Seamless brass; polygon. Square valve threaded and soldered on the valve stem. The sharp corners of the button break, also rip away the caked carbide, insuring a steady free water flow. Diameter of reflector 3 ins.

	Doz lots, Per Doz	Gross lots, Per Doz
No. 767—Lamp only; polished brass	$28 50	27 00
No. 769—Lamp only; nickel plated	35 25	33 00

One in cardboard box; wt each 6 ozs.

VICTOR—Regulating Value Water Feed, Detachable Reflector and Brace With Sparker.

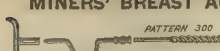
Water feed is adjustable to permit the water to flow freely. Reflector polished brass, with wire edge that fits snug to the reflector brace; fastened to lamp with a knurled nut. Height 3¾ inches; detachable reflector 2⅝ inches in diameter; 16 candle power. Polished brass.

Lamp Only.

No.	661
Doz lots, Per Doz	$25 50
Gro lots, Per Doz	24 00

One in cardboard box; wt each 4½ ozs.

MINERS' BREAST AUGERS



Single Crank—Open Hearth Steel Twist.

Steel breast strap, bent bar and socket; black finish.

New style patent joint. Ferrule or crank has key which holds breastplate to auger and prevents it from slipping or falling off.

Nos.	36	48½	36	48
Length twist, ins	36	48	36	48
Diam, ins	1½	1½	1¾	1¾
Wt each, lbs	14	16½	14½	17
Per Doz	+$55 95	+$58 50	+$60 45	+$63 45
Nos.			60½	72½ 72
Length twist, ins			60	72 72
Diam, ins			1-½	1½ 1¾
Wt each, lbs			19	21 22
Per Doz			$63 00	+63 45 +68 25

Packed loose.

EXTRA PARTS

	Per Doz
No. 58P—Breast plate for miners breast augers	$10 50
No. 10C—Couplings for miners breast augers	3 63

Packed loose.

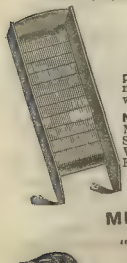
MINERS' SQUIBS

GENUINE POWELL

For firing blasts in coal mining. Length 6 inches. Burns with a flame.

No.	1PS
Per 1000	$ 6 75
Single Case Lots, Per Case	58 50
5 Case Lots, Per Case	57 00
10 Case Lots, Per Case	55 50

100 in box, 10,000 in wood case; wt per case 25 lbs.



SAND SCREENS

Heavy wood frame, painted red.

Steel wire bottom; mesh wires held in place by being locked in heavy sheet metal turned into a tubular shape. Size wire bottom 17½x46 inches.

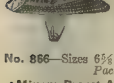
Nos.	5WSS	6WSS
Mesh to inch	5	6
Size, ins	24x66	24x66
Wt each, lbs	23	24
Each	+$27 00	+27 00

Packed loose.

MINERS' HATS

BEACON

"See Dept. 9 Page 2376"



Black. Good strong material; stiff crown and brim; lined with white canton flannel ear pieces of same material. With tin holder attachment firmly riveted to front of hat, for holding a miner's lamp, the lamp may be easily and securely attached by passing the hook through a slot made to receive it. Per Doz

No. 866—Sizes 6⅝ to 7⅛ $23 10

Packed loose; wt per doz 5 lbs.

+Miners Breast Augers—F. O. B. West Virginia Factory Only.

+Sand Screens—F. O. B. Ohio Factory Only.

MINERS' CAPS

BLACK DIAMOND

Light weight white duck, lock stitched black enameled cloth visor; with fibre and tin lamp attachment.

	Per Doz	Per Gro
No. 222-3—Assorted sizes 6⅞, 7 and 7⅛; wt per doz 3¼ lbs.	$5 55	60 00

One doz in cardboard box.

Corduroy, with ear lugs; red flannel lining; black enameled cloth visor; tin and fibre lamp attachment, for winter use.

	Per Doz	Per Gro
No. 225—Assorted sizes, 6⅞, 7 and 7⅛; wt per doz 3¾ lbs.	+$13 80	+$151 50

One doz in cardboard box.

BLACK DIAMOND

Light weight brown duck; black enameled cloth visor; with tin and fibre lamp attachment, will not absorb water or oil. Per Doz Per Gro

No. 204-3—Assorted sizes, 6⅞, 7 and 7⅛; wt per doz 3¼ lbs $5 25 57 00

One doz in cardboard box.

Heavy weight white duck, strong, lock-stitched; plain white cloth visor, tin and fibre lamp attachment.

	Per Doz	Per Gro
No. 200-9—Sizes 6⅞ and 7; wt per doz 3¼ lbs	$6 30	67 50

One doz in cardboard box.

BLACK DIAMOND

Heavy weight white duck, sole leather visor; sole leather lamp attachment with metal top.

Per Doz

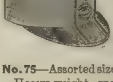
No. 211-2—Assorted sizes, 6⅞, 7 and 7⅛ $10 20

No. 211-6—Size 6⅞ 10 20

No. 211-7—Size 7 10 20

No. 211-7½—Size 7⅛ 10 20

One doz in cardboard box; average wt per doz 3¼ lbs.



BLACK DIAMOND

Heavy weight "special shrunk" white duck; flannel lined; specially treated vulcanized fibre visor, nonbreakable; specially treated vulcanized fibre, lamp holder made to carry any acetylene or oil lamp.

Per Doz

No. 75—Assorted sizes 6⅞, 7 and 7⅛; wt per doz 4 lbs $9 90

Heavy weight, special water-proof shrunken duck, flannel lined; sole leather visor 3 inches wide; sole leather lamp holder with metal top piece for supporting any miner's oil or carbide lamp.

Per Doz

No. L100—Assorted sizes 6⅞ to 7⅛; wt per doz 4 lbs $9 75

One doz in cardboard box.

WITH BARTA LAMP HOLDER

Special waterproof shrunken duck, lined throughout with flannel. Visor made of heavy material, covered with waterproof duck, not affected by water or dampness. 2X tin lamps support interlined with vulcanized fibre, making it very strong, designed to carry any carbide lamp correctly, eliminating danger of lamp jarring off.

Per Gro

No. 27W—Assorted sizes, ½ doz each 6⅞, 7, 7⅛ $102 00

One doz in cardboard box, one gro in carton; wt per gro 45 lbs.

+F. O. B. Pennsylvania Factory Only.

THIS INSERT OF FOUR PAGES ENGRAVED AND PRINTED BY

The United States Printing & Lithograph Company

CINCINNATI, OHIO

PRINTED IN FIVE COLORS FROM ZINC BENDAY PLATES.
PRINTING SEQUENCE: YELLOW, RED, DARK BLUE, LIGHT BLUE AND PINK

DESIGNED, ENGRAVED AND PRINTED BY

The United States Printing & Lithograph Company

CINCINNATI, OHIO

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The United States Printing & Lithograph Company

CINCINNATI, OHIO

PRINTED IN NINE COLORS FROM ZINC BENDAY PLATES
PRINTING SEQUENCE BROWN, YELLOW, FLESH, RED, LIGHT BLUE,
BLACK, PINK, GRAY & PURPLE

R

PLACQUES—Printed in eleven colors from solid zinc plates

Engraved by The Cincinnati Process Engraving Co. *Printed by* The Bachmeyer-Lutmer Press Co.

Inks by The Queen City Printing Ink Co.

R

MOTTOES—Printed in nine colors from solid zinc plates

Engraved by The Cincinnati Process Engraving Co. *Printed by* The Bachmeyer-Lutmer Press Co.
Inks by The Queen City Printing Ink Co.

This insert of four pages, designed and engraved in eleven colors by
The Cincinnati Process Engraving Co., Cincinnati, Ohio
Printed by The Bachmeyer-Lutmer Press Co., Cincinnati, Ohio
Inks by The Queen City Printing Ink Co., Cincinnati, Ohio

R

R

COVER DESIGN—Printed in eight colors from solid zinc plates

Engraved by The Cincinnati Process Engraving Co. *Printed by* The Bachmeyer-Lutmer Press Co.

Inks by The Queen City Printing Ink Co.

COMMUNITY PLATE

THE Grosvenor DESIGN
Created in the finer mood of those great masters—the Brothers Adam. A fresh, spirited and charming interpretation of the vogue for rich simplicity in tableware
Bright Butler Finish
DINNER KNIFE
DESSERT SPOON
DINNER FORK
TABLE SPOON

50 YEAR REPLACEMENT GUARANTEE

SPOONS—*Six in Box*	*Per Doz.*
Tea	$9 76
Dessert	18 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18 88

KNIVES (*Plated Blades*) SIX IN BLUE VELVET LINED GIFT BOX	*Per Doz.*
Hollow Handle Dinner	$ 31 20
Hollow Handle Dessert	30 48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19.12

KNIVES (*Stainless Blades*) SIX IN BLUE VELVET LINED GIFT BOX	*Per Doz.*
Hollow Handle Dinner De Luxe	$36 60
Hollow Handle Dessert De Luxe	36 08
Modeled Handle Dinner	21 48

COMMUNITY PLATE

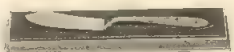
29 or 26 Pieces in Free Petit Buffet

With Hollow	Handle DeLuxe Stainless Din. Knives,	$46 86
With Hollow	Handle DeLuxe Stainless Din. Knives,	38 16
With Modeled	Handle Stainless Dinner Knives,	38 16
With Hollow	Handle Plated Blade Dinner Knives,	43 24
With Hollow	Handle Plated Blade Dinner Knives,	42 76
With Modeled	Handle Plated Blade Dinner Knives,	37 50
With Modeled	Handle Plated Blade Dessert Knives,	30 88

29 or 26 Pieces in Duo Service Trays

With Hollow	Handle DeLuxe Stainless Din. Knives,	$48 12
With Hollow	Handle DeLuxe Stainless Din. Knives,	40 44
With Modeled	Handle Stainless Dinner Knives,	40 16
With Hollow	Handle Plated Blade Dinner Knives,	45 32
With Hollow	Handle Plated Blade Dinner Knives,	44 76
With Modeled	Handle Plated Blade Dinner Knives,	39 68
With Modeled	Handle Plated Blade Dessert Knives,	32 90

Sugar Spoon, *each* $1 63



Butter Knife, *each* $1 63

Butter Knife and Sugar Spoon, *set* $3 24

Cold Meat or Serving Fork, *each* $3 25
For serving cold meat or fowl
Small Cold Meat or Sardine Fork, *each* $2.61

Berry or Serving Spoon, *each* $4 55
Small Berry or Preserve Spoon, *each* $3 58

43-Piece Court Cabinet

29-Piece Court Cabinets

With Hollow	Hand e DeLuxe Stainless Din. Knives,	$5 88
With Hol ow	Handle Plated Blade Dinner Knives,	44 08
With Modeled	Handle Stainless Dinner Knives,	44 77

(26 Piece Court Cabinets Same Prices as 29-Piece)

43-Piece Court Cabinets

With Hollow	Handle DeLuxe Stainless Din. Knives	$78 88
With Hollow	Handle Plated Blade Dinner Knives,	70 08
With Modeled	Handle Stainless Dinner Knives,	71 72

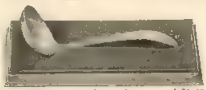
56-Piece Court Cabinets

With Hollow	Handle DeLuxe Stainless Din. Knives,	$104 76
With Hollow	Handle Plated Blade Dinner Knives	96 16

Baby's Spoons (*In new, full-colored box*)
Bent Handle, *each* $1.30 Straight Handle, *each* $. 30

Baby's Fork (*In new, full-colored box*), *each* $1 30

Baby's Sets (*In new, full-colored box*)
Bent Handle Spoon and Straight Fork, *set* $2 56
Straight Handle Spoon and Fork, *set* $2 56



Salad Forks or Small Ladle, *each* $2 93

Serving or Gravy Ladle, *each* $3 58
Medium Soup Ladle, *each* $10 43

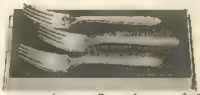
All Correct Service Pieces

Packed in Blue Velvet Gift Boxes

The GROSVENOR *Design*

COMMUNITY PLATE

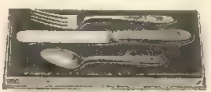
Individual Butter Spreaders, *set* $8.14
Used with individual bread and butter plates



Individual Salad or Pastry Forks, *set* $9.76

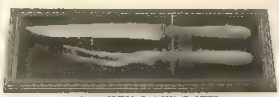
Olive or Salted Nut Spoon, *each* $2.27
For serving olives, pickles and salted nuts

Oyster or Seafood Forks, *set* $6.84
For clams, lobster, shrimp, cocktails, etc

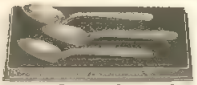


Child's Sets (in new tooled box)
With Hollow Handle Knife, *set* $5.20
With Flat Handle Knife, *set* $3.92

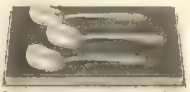
Pie or Ice Cream Server, H H, *each* $5.55



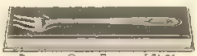
STAINLESS CARVING SETS
2-Piece Hollow Handle (*French blade*), *set* $14.18
2-Piece Hollow Handle, *set* $9.90
2-Piece Modeled Handle, *set* $7.00
For steak, game, etc



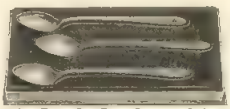
Orange or Grapefruit Spoons, *set* $7.50
For oranges, grapefruit and melons



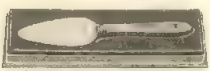
Ice Cream or Sundae Spoons, *set* $7.50
Jam or Conserve Spoon, *each* $1.96



Pickle or Olive Fork, *each* $1.96
For serving pickles, olives and relishes



Iced Tea or Iced Drink Spoons, *set* $7.82
For iced tea, iced coffee, chocolate, lemonade, etc



Cheese Server, H H, *each* $3.58

Pierced Pastry Server, *each* $5.55
Correct service for cake, pie, pastry, etc

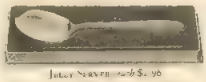
STAINLESS CARVING SET
3-Piece Hollow Handle, *set* $24.10
For large roasts, fowl, etc

All Correct Service Pieces

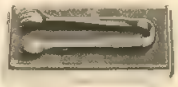
Packed in Blue Velvet Gift Boxes

The GROSVENOR *Design*

COMMUNITY PLATE



JELLY SERVER, *each* $2.96
For strawberries, raspberries, tutti-frutti, or bisque



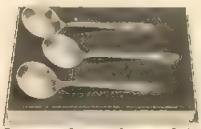
SUGAR TONGS, *each* $2.61

BON BON SPOON, *each* $3.25
Correct Service for bon bons, candies, etc

PIERCED ROUND SERVER, *each* $4.24
For serving tomatoes, sliced pineapple, cucumbers, poached or fried eggs, fish cakes, etc

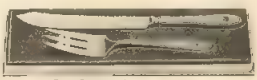
AFTER DINNER COFFEE SPOONS, *set* $5.20
For small cup service (demi-tasse)

LEMON OR RELISH FORK, *each* $1.63



BOUILLON OR CONSOMME SPOONS, *set* $9.44
For bouillon, consomme or soups when served in cups

FIVE O'CLOCK TEA OR SHERBET SPOONS, *set* $5.20



CAKE SERVING SET, *set* $9.60
CAKE FORK, *each* $3.58
CAKE OR BREAD KNIFE, *each* $6.03

KNIFE AND FORK SETS

(STAINLESS BLADE KNIVES)

Hollow Handle DeLuxe Dinner Knives, Flat Forks, *set* $28.16
Hollow Handle DeLuxe Dessert Knives, Flat Forks, *set* 27.68
Modeled Handle Dinner Knives, Flat Forks *set* 20.50

PLATED BLADE KNIVES

Hollow Handle Dinner Knives, Flat Forks, *set* $25.60
Hollow Handle Dessert Knives, Flat Forks, *set* 24.68
Modeled Handle Dinner Knives, Flat Forks, *set* 19.68
Modeled Handle Dessert Knives, Flat Forks, *set* 19.00

MISCELLANEOUS

ICE CREAM OR SHERBET FORKS, *set* $ 8.14
INDIVIDUAL PIE FORKS, *set* $11.08
DELUXE KNIFE SHARPENER, *each* $3.25

FRUIT KNIVES *Stainless Blades*

HOLLOW HANDLE FRUIT KNIVES, *set* $14.90
MODELED HANDLE FRUIT KNIVES, *set* $ 9.56

All Correct Service Pieces

Packed in Blue Velvet Gift Boxes

The GROSVENOR *Design*

COMMUNITY PLATE

THE
Hampton Court
Bright Butler Finish
A new design—adapted by Community craftsmen from a decorative motif adorning the magnificent reception room in Hampton Court Palace, England, owned by the famous Cardinal Wolsey in the reign of King Henry VIII. —1491 to 1547 A. D.

50 Year Replacement Guarantee

SPOONS—*Six in Box*	*Per Doz.*
Tea	$9 76
Dessert	18 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18.88

KNIVES (*Plated Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner	$ 31 20
Hollow Handle Dessert	30 48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19 12

KNIVES (*Stainless Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz.*
Hollow Handle Dinner De Luxe	$36 80
Hollow Handle Dessert De Luxe	16 08
Modeled Handle Dinner	21 48

COMMUNITY PLATE

29 OR 26 PIECES IN FREE PETIT BUFFET

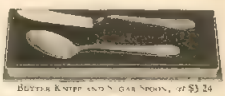
With Hollow Handle DeLuxe Stainless Din. Knives	$46.04
With Hollow Handle DeLuxe Stainless Din. Knives,	47.34
With Modeled Handle Stainless Dinner Knives	38.76
With Hollow Handle Plated Blade Dinner Knives	43.24
With Hollow Handle Plated Blade Dessert Knives	42.76
With Modeled Handle Plated Blade Dinner Knives	37.76
With Modeled Handle Plated Blade Dessert Knives	36.88

29 OR 26 PIECES IN DUO SERVICE TRAYS

With Hollow Handle DeLuxe Stainless Din. Knives	$48.12
With Hollow Handle DeLuxe Stainless Din. Knives,	47.44
With Modeled Handle Stainless Dinner Knives,	40.40
With Hollow Handle Plated Blade Dinner Knives,	44.32
With Hollow Handle Plated Blade Dessert Knives	43.84
With Modeled Handle Plated Blade Dinner Knives,	39.84
With Modeled Handle Plated Blade Dessert Knives	38.96

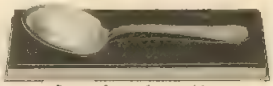
SUGAR SPOON, *each* $1.63

BUTTER KNIFE, *each* $1.63



BUTTER KNIFE AND SUGAR SPOON, *set* $3.24

COLD MEAT OR SERVING FORK, *each* $3.25
For serving cold meat or fowl
SMALL COLD MEAT OR SARDINE FORK, *each* $2.61



BERRY OR SERVING SPOON, *each* $4.56
SMALL BERRY OR PRESERVE SPOON, *each* $3.58

All Correct Service Pieces

43-PIECE COURT CABINET

29-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives,	$51.88
With Hollow Handle Plated Blade Dinner Knives,	49.08
With Modeled Handle Stainless Dinner Knives,	44.22

126 PIECE COURT CABINETS SAME PRICES AS 29-PIECE

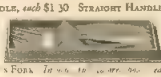
43-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives,	$78.88
With Hollow Handle Plated Blade Dinner Knives,	76.08
With Modeled Handle Stainless Dinner Knives,	71.22

56-PIECE COURT CABINETS

With Hollow Handle DeLuxe Stainless Din. Knives	$104.76
With Hollow Handle Plated Blade Dinner Knives,	99.16

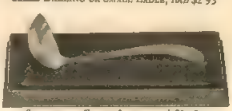
BABY'S SPOONS (*In new, full-colored box*)
BENT HANDLE, *each* $1.30 STRAIGHT HANDLE, *each* $1.30



BABY'S FORK (*In new, full colored box*) *each* $1.30

BABY'S SETS (*In new, full colored box*)
BENT HANDLE SPOON AND STRAIGHT FORK, *set* $2.56
STRAIGHT HANDLE SPOON AND FORK, *set* $2.56

SALAD DRESSING OR SMALL LADLE, *each* $2.93

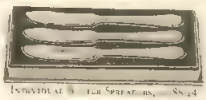


SERVING OR GRAVY LADLE, *each* $3.58
MEDIUM SOUP LADLE, *each* $10.43

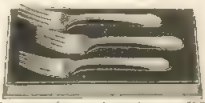
Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

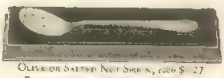
COMMUNITY PLATE



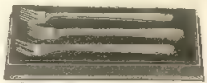
Individual Butter Spreader, *each* $3.24



Individual Salad or Pastry Forks, *set* $9.76



Olive or Salted Nut Spoons, *each* $1.27
For serving olives, pickles and salted nuts

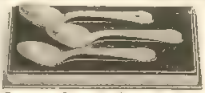


Oyster or Seafood Forks, *set* $6.84
For clams, lobster, shrimp, cocktails, etc.

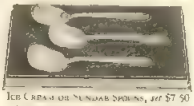
Child's Set, *including four colored knives*
With Hollow Handle Knife, *set* $5.20
With Flat Handle Knife, *set* $3.97

Pie or Cake Server, H. H., *each* $3.55

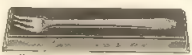
Stainless Carving Sets
2-Piece Hollow Handle (7-inch blade), *set* $14.15
2-Piece Hollow Handle, *set* $9.90
2-Piece Modeled Handle, *set* $7.00
For steak, game, etc.



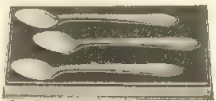
Orange or Grapefruit Spoons, *set* $7.50
For oranges, grapefruit and melon



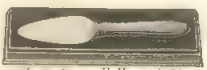
Ice Cream or Sundae Spoons, *set* $7.50
Jam or Conserve Spoon, *each* $1.96



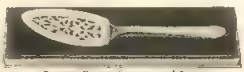
Pickle or Olive Fork, *each* $1.16
For serving pickles, olives, and relishes



Iced Tea or Iced Drink Spoons, *set* $7.82
For iced tea, iced coffee, chocolate, lemonade, etc.



Cheese Server, H. H., *each* $3.55



Pierced Pastry Server, *each* $3.55
Correct service for cake, pie, pastries, etc.

Stainless Carving Set
3-Piece Hollow Handle, *set* $24.13
For large roasts, fowl, etc.

All Correct Service Pieces

Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

COMMUNITY PLATE

Jelly Server, *each* $1 96
For serving jelly, soft cheese, or honey

Sugar Tongs, *each* $2 0.

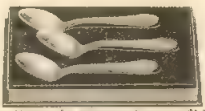
Bon Bon Spoon, *each* $3 25
Correct Service for bon bons, ramakins, etc

Pierced Round Server, *each* $4 [illegible]
For serving tomatoes, sliced pineapple, cucumbers, poached or fried eggs, fish cakes etc.

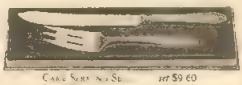
After Dinner Coffee Spoons, *set* $5 20
For small cup service (demi-tasse)

Lemon or Berry Fork, *each* $1 05

Bouillon or Consomme Spoons, *set* $9 44
For bouillon, consomme or soups when served in cups



Fish Carving Set or Shrimp Spoons *set* $5 20



Cake Server, Set *set* $9 60
Cake Fork, *each* $3 58
Cake or Bread Knife, *each* $6 03

KNIFE AND FORK SETS

STAINLESS BLADE KNIVES

Hollow Handle Deluxe Dinner [illegible] $57 [illegible]
Hollow Handle DeLuxe [illegible] 37 [illegible]
Modified Handle Dinner Knife [illegible] 90

PLATED BLADE KNIVES

Hollow Handle Dinner Knife [illegible] $ [illegible]
Cream Handle Dinner Knife [illegible] [illegible]
Modified Handle Dinner Knife [illegible] [illegible]
Modified Handle Steak Knife [illegible] [illegible]

MISCELLANEOUS

Ice Cream or Sherbet Forks, *set* $ 8 14
Individual Pie Forks, *set* $11 08
DeLuxe Knife Sharpener, *each* $3 25

FRUIT KNIVES– *Stainless Blades*

Hollow Handle Fruit Knives, *set* $14.90
Modified Handle Fruit Knives, *set* $ 9 56

All Correct Service Pieces

Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

LANTERNS

All H&S Lanterns are made from Heavy Tin Plate, retinned and have special Globe Lift, and Heavy Rising Cone Tinned burners. All H&S Lanterns have extra large oil hole with brass screw cap set at such an angle that the lantern can be easily filled without removing globe. The large tinned bail is made to remain upright when desired.

H&S Lanterns burn a clean and exceedingly white light. The flame is white to the very feather edge, and entirely free from smoke. All H&S Lanterns can be filled without removing globe.

H&S SUPREME

Large fount, burns 35 hours, extra heavy rising cone tinned burner, 1 in. wick, No. H616 selected crystal globe, height 14 in.

BRIGHT TIN.

No. H162 H&S—Full half dozen case.....per dozen $25.00

Bright Tin, Entirely RED ENAMELED.

No. H163 H&S—Full half dozen case.....per dozen $30.00

POLISHED BRASS, Fount.

No. H165 H&S—Full half dozen case.....per dozen *$37.30*

No. D165 H&S—Less than case, per dozen $39.10

RED ENAMELED

With Polished Brass Fount

No. H166 H&S—Full half dozen case.....per dozen $40 00

No. D166 H&S—Less than full case .....per dozen $42.65

HALF DOZEN IN A CASE W'T PER DOZEN 40 LBS

H&S MAMMOTH COLD BLAST

This lantern is truly the farmer's friend. The large fount and the perfect clean light, makes it require but little care, for which reason it is so popular, especially for a barn lantern.

Mammoth size, tin fount, full weight IX charcoal plate, retinned, burns forty-eight hours, No. 2 one inch wick, No. 2 selected crystal cold blast globe, No. H616, w't per doz. 40 lbs.

No. H192 H&S—Full half dozen case.....per dozen $29.35

H&S COLD BLAST

Large size fount, burns 35 hours, extra heavy rising cone tinned burner, 1 in. wick, No. 2 selected crystal cold blast globe No. H611.

Tin, fount, full weight IX charcoal plate, retinned, w't per doz. 40 lbs.

No. H2 H&S—Full half dozen case, per dozen $26.65

LARGE FOUNT

No. H292 H&S—Full half dozen case, large 48 hour Fount, w't per doz. 40 lbs.....per dozen $29.35

HALF DOZEN IN A CASE

H&S JUNIOR SUPREME

A handy lantern of the Cold Blast Type, compact and light weight. Gives almost twice as much light as the ordinary lantern of No. 0 Tubular Type although using the same size wick. Burns 30 hours. Equipped with No. 0 ⅞-inch wick.

GLOBE No. H618

No. H161—Full half dozen cases, per dozen $17.75

No. D161—Less than full case, per dozen $20.00

WITH SOLID RUBY GLOBE

Globe No. Common H918

No. H1613—Full half dozen cases, per dozen $24 45

No. D1613—Less than full case, per dozen $22 20

HALF DOZEN IN A BOX WE DO NOT BREAK BOXES

H&S TUBULAR

Fount holds kerosene to burn thirty hours, extra size filler cap and screw, heavy steel burner, ⅞ inch wick.

With crystal globe No. H600, w't per doz. 27 lbs.

No. H242—Full dozen case, per dozen $16.65

No. H242½—Full half dozen case, per dozen $17.00

With Solid Ruby Globe.

No. H2423—Full dozen cases, per dozen $21.10

ONE DOZEN IN A CASE

H&S ORDINANCE

This lantern is made to meet the requirements of various state and city laws. Throws a strong, white light forward, and the rear signal is visible many hundred feet from the rear. This lantern is a necessary road protection against speeding automobiles. The flat steel holder is made extra strong and with a very long tongue so that the lantern cannot jar off. It is the modern road lantern.

RED ENAMELED, height 12½ in., corrugated bright tin reflector 2½ in., ruby lens rear signal, steel burner with ⅞ in. wick, bull's eye mounted on globe plate, crystal "Bantie" cold blast globe No. H610, extra strong steel side holder, w't per doz. 40 lbs.

No. H104 H&S—Full half dozen case.....per dozen $36.65

No. D104 H&S—Less than case, per dozen $38.90

DIETZ LANTERNS

Special Features: DIETZ security standing bail, patent brass eyelets, patent safety (wing-lock) rising cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent lock-nob, globe double, seamed solderless dome-shaped oil fount.

D-LITE

Globe No. Common H616. Wick I In.

Height 13¾ in.,10 candle power, will burn 20 hours with one filling, w't per doz. 40 lbs.

No. H562—Bright tin, fount and top .....per dozen *$20.00*

No. H565—Brass fount and top .....per dozen *$28.00*

HALF DOZEN IN A CARTON
WE DO NOT BREAK CARTONS

LARGE FOUNT D-LITE

Globe No. Common H616. Wick 1 In.

No. H592—Extra Large oil fount, bright tin, height 13¾ in., 10 candle power, will burn 40 hours with one filling, w't per doz. 40 lbs., per dozen *$22.00*

HALF DOZEN IN A CARTON
WE DO NOT BREAK CARTONS

LITTLE WIZARD

Bright tin, height 11½ in., 6 candle power, will burn 18 hours with one filling.

Globe No. Common H618. Wick ⅝ Inch.

No. H511 — W't per doz. 24 lbs., per dozen *$13.50*

With Ruby Globes

Globe No. Common H918. Wick ⅝ In.

No. H5113—W't per doz. 33 lbs., per dozen $16.60

ONE DOZEN IN A CARTON
WE DO NOT BREAK CARTONS

LITTLE GIANT Large Fount

Bright tin, height 11½ in., 6 candle power, will burn 70 hours with one filling.

Globe No. H618. Wick ⅝ Inch.

No. H591—W't per doz. 27 lbs., per dozen..*$18.00*

With Solid Ruby Globes

No. H5913—W't per doz. 27 lbs., per dozen *$21.10*

ONE DOZEN IN A CARTON

MONARCH

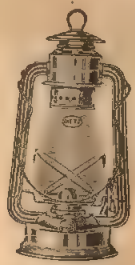
Globe No. Common H600.

Wick ⅝ Inch.

No. H542—Bright tin, height 13¾ in., 4 candle power, will burn 18 hours with one filling, w't per doz. 28 lbs. .....per dozen *$13.50*

No. H5423—With Solid Ruby Globes.....per dozen *$15.60*

ONE DOZEN IN A CARTON
WE DO NOT BREAK CARTONS



BLIZZARD

Golbe No. Common H611. Wick I In.

No. H502—Bright tin, height 14¾ in., 10 candle power, will burn 20 hours with one filling, w't per doz. 40 lbs. .....per dozen *$20.00*

HALF DOZEN IN A CARTON
WE DO NOT BREAK CARTONS

JUNIOR WAGON

Globe No. H610. Wick ⅝ Inch.

Black enamel, red rear lens, height 12 in., 10 candle power, will burn 18 hours with one filling, w't per doz. 40 lbs.

No. H504—Full half dozen cases, per dozen *$27.00*

No. D504—Less than case, per dozen *$27.00*

HALF DOZEN IN A CASE

DIETZ LANTERNS

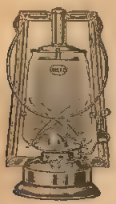
"SPORT"

Smallest hand lantern ever offered the public. Many lanterns of this size have been introduced, but most of them were ornaments or toys, Dietz "Sport" is practical, will burn steadily in wind or storm.

Globe No. 720. Wick ¾ Inch.

No. H505—Bright tin, will burn 10 hours, height over all 7¾ in., shipping weight per doz. 10 lbs., per dozen $3.25

ONE DOZEN IN A BOX



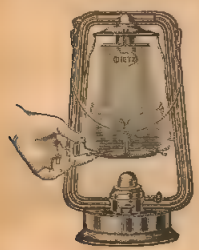
LITTLE STAR

An attractive small size lantern of the Hot Blast Type.

Globe No. H610. Wick ¾ Inch.

No. H570—W't per doz. 22 lbs., per dozen $12.25

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES



HYLO

Globes:
Clear H600. Wick ¾ in.
Stained Ruby H803.
Ruby H603.

With Ruby Globes

No. H5243—Bright tin, height over-all 13¾ in., 10 candle power, will burn 20 hours with one filling, w't per doz. 27 lbs....per dozen $15.60

ONE DOZEN IN A CASE. WE DO NOT BREAK CASES

CONTRACTORS' LANTERNS

Wick ¾ in., Side Life, Steel Burner.

No. H240—Globe No. H600, w't per doz. 23 lbs., per dozen $14.75

No. H2433—Glove No. H603, w't per doz. 25 lbs., per dozen $20.00

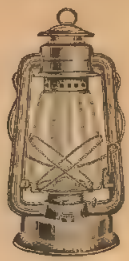
ONE DOZEN IN A CASE
WE DO NOT BREAK CASES

Our reputation founded on over seventy-two years' business stands back of the CHB brand.

All goods branded CHB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling CHB articles there is a profit for you and satisfaction to your customers.

COLD BLAST LANTERNS



Globe No. H611

Wick 1 in.

No. H12—Side globe lift, No. 2 steel burner, w't per doz. 31 lbs., per dozen $23.65

HALF DOZEN IN A CASE
WE DO NOT BREAK CASES

SHORT GLOBE COLD BLAST LANTERNS

Globe No. H616

Wick 1 in.

No. H775—Side globe lift, No. 2 steel burner, w't per doz. 82 lbs., per dozen $23.65

HALF DOZEN IN A CASE
WE DO NOT BREAK CASES

DIETZ ACME CAR INSPECTOR LANTERNS

Globe No. D600.
Wick ¾ in.

Strongly made, frame and hood are heavily braced and a strap of steel, well soldered, reinforces the frame, gives a reflected light of 20 candle power, has a grip handle set at right angle to project the light under cares, also has hand bails, w't per doz. 76 lbs.

With Wire Globe Guard

No. FR5151—Full half dozen case, per dozen★ $42.00

No. F5151—Less than case, per dozen★ $42.00

Without Guard

No. H5150—Full half dozen case, per dozen $36.50

No. D5150—Less than case, per dozen $36.50

HALF DOZEN IN A CASE

DIETZ RAILROAD LANTERNS

Equipped with heat-resisting globes.
Globe No. D635. Wick ⅝ Inch.

DIETZ VESTA—Modern cold blast construction, burns kerosene. Globe is removable through frame fount, locks to body of lanterns by a patented positive locking device. Flame is regulated from outside of globe. Easily cleaned, filled and lighted, positively makes all signals.

Bright tin, height 11 in., 3 candle power, will burn 16 hours with one filling, w't per doz. 100 lbs.

No. H500—Full one dozen case, per dozen $31.85

No. D500—Less than case, per dozen $31.85

ONE DOZEN IN A BOX

Globe No. D630. Wick 1 Inch.

DIETZ VULCAN—Patented winglock ratchet burner, double guards, substantial stamped base and top. Removable globe, winglock (slip collar) burner is firmly attached to fount, base and fount fastened to frame by positive-locking device, fount has safety oil well. Easily cleaned, filled and lighted, makes all signals. Burns lard oil.

No. D539—Bright tin, height 10 in., 2 candle power, will burn 24 hours with one filling, w't per doz. 45 lbs., per dozen $21.90

ONE DOZEN IN A BOX

ADLAKE SWITCHMEN'S LANTERN

Globe No. H630. Wick 1 Inch.
Rigid metal bail. Height 8 in. extreme height to top of bail 14 in., bright tin base and top heavy wire frame, short compact, light weight, the handle is of bent metal and being larger in diameter gives a firmer grip than the customary wire bail.

No. D92—Lard Oil burner No. 2, per dozen $52.20
W'T PER DOZEN 24 LBS.

Globe No. D201. Wick 1 Inch.
A kerosene lantern equipped with rigid metal bail, encased oil pot; rigid bail lock; outside wick raiser, removable top globe holder.

No. D250—Per dozen $53.30
W T PER DOZEN 27 LBS.

Globes for No. D250 and No. D200A Lanterns

No. D201—Highest grade "Non-Ex" scientific glass, w't per doz. 12 lbs. per dozen $12.00

Extra Bails for Adlake Lanterns

No. D209—Rigid Wood, per dozen $14.20

No. D210—Rigid Metal, per dozen $17.75

★Items marked thus ★ are shipped from factory only.

DIETZ LANTERN DISPLAY STAND

This Stand is Carefully Designed for Use in Retail Stores Where Floor Space is Valuable. It Takes Up Only 29 Ins. of Space, But is Substantially Constructed and Makes an Imposing Appearance. The Lanterns in the Assortment Are Selected for Their General Usefulness and Popularity. They Represent a Variety Suitable for All Purposes and Are Only Those for Which a Dealer Will Find Ready Demand. Finished in Fumed Oak. 70 Ins. High

Assortment Consists of One Each of the Following:

Dietz "Junior" Brass Lantern
Dietz "Octo" Driving Lantern.
Dietz "Eureka" Driving Lantern.
Dietz "Junior" Wagon Lantern
Dietz "Buckeye" Dash Lantern
Dietz "Monarch" Lantern.
Dietz "Little Wizard" Lantern
Dietz "Victor" Lantern.
Dietz Large Fount "Blizzard" Lantern
Dietz No. 2 "D-Lite" Lantern.
Dietz No. 2 "Blizzard" Lantern.
Dietz No. 2 Large Fount "D-Lite" Lantern.

Each

No. 26—Display Stand and Assortment of One Dozen Lanterns . . . . . $

Lanterns packed in one box.
Stand packed in another
Total shipping weight, about 85 lbs.

Not Carried in Stock. F. O. B. Factory.

LANTERN GLOBES

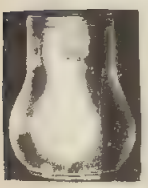
WHITE LITTLE WIZARD COLD BLAST

For Dietz Little Wizard Lanterns. Height, 3¼ Inches; Diameter at Bottom 2¼ Inches, Diameter at Top, 3½ Inches.

No. LW1—One Dozen in a Carton . . . .
No. LW5—Five Dozen in a Partitioned Carton. $

Per Dozen

† **No. LWR**—Ruby
Six dozen in a barrel



WHITE PIONEER GLOBE

For Dietz Street and Hanging Lights. Height, 10¼ Inches. Diameter at Bottom, 6 Inches. Diameter at Top, 5¼ Inches.

Per Dozen

No. 3..... $
Third Dozen in a Partitioned Carton

The First and Only Radical Change in the Construction of Lantern Globes for Years. It Consists of Knob of Glass Projecting from Side of Globe So Placed that It Locks Under the Wire Guard, Thus Preventing it from Falling Out of Guard When Lantern is Open. Same Sizes as Regular Globes.

"Blizzard"

"D-Lite"

"Little Wizard"

Per Dozen
$

No. 12LN—Blizzard (4½ Dozen in Case) .
No. DLN—D-Lite (6 Dozen in Case) . .
No. LWN—Little Wizard (9 Dozen in Case) .

FOUNTS AND BURNERS

Per Dozen

†**No. 3**—For Nos. 130 and 136 Lamps $

Loose

DIETZ LANTERNS

"LITTLE STAR" HOT BLAST

Modeled on the lines of the Famous Dietz "Vesta", but Smaller in size. Has the Security Standing Bail Hooked into Patent Brass Eyelets. No. 1 Patent Safety Wingloek Burner, Pearl Locking Globe Lift, and Dome shaped Non-Close Oil Fount with Hooks Sufficient Oil to Burn 12 Hours. Wick, ½ Inch. U S Globe. Height Over All, 11 Inches. Per Dozen

No. 20—Bright Tin. . . . . .

One dozen in a case.
Weight, per dozen, about 28 pounds.

IMPROVED "HY-LO" HOT BLAST

Designed to Fill Demand for a Satisfactory Low-priced Lantern. No. 2 Patent Tinned Steel Burner Fount with Dome-shaped Burner Work. ½-Inch Wick. Globe Height Over All, 13½ Ins. Per Dozen

No. 10—Bright Tin
No. 10R—With Contrasting Red Globe

One dozen in a case.
Weight, per dozen, about 36 pounds.

"VICTOR" HOT BLAST

Equipped with No. 1 Safety Wingloek Burner, Locking Globe Lift and Security Standing Bail Hooked into Patent Brass Eyelets. Has Dome-shaped Seamless Oil Fount with Large Filler Pet to Hold Enough Oil to Burn 19 Hours. Wick ¾ Inch. "Pitmilt" Globe. Height Over All, 13¾ Inches. Per Dozen

No. 35—Bright Tin . . . .

One dozen in a case.
Weight, per dozen, about 38 pounds.

"MONARCH" HOT BLAST

The Lantern Enjoys Security. It Features Among Which are the Following: Security Standing Bail, Patent Brass Eyelets, Wing Lock Burner No. 1 Size, ¾ inch Wick Patent Reinforced Tubes Both Horizontal and Vertical Bends. Patent Positive Locking Globe Lift. Large Oil Filler. Double Seamed Solderless Dome shaped Fount. Will Burn 18 Hours. Height Over All, 13¾ Inches. Per Dozen

No. 40—Bright Tin

One dozen in a case.
Weight, per dozen, about 40 pounds.

"BUCKEYE" HOT BLAST DASH

Security Standing Bail Corrugated Tin Reflector. No. 1 Patent Safety Wingloek Burner with One-piece Shaft. Spring Clip for Dash. ¾-Inch Wick and Pitmilt Globe. Solderless Oil Fount. Burns 19 Hours. Height Over All, 13¾ Inches. Per Dozen

No. 85 Black Enamel . . . . .

Half dozen in a case.
Weight, per dozen, 56 pounds.

"JUNIOR" COLD BLAST

Globe Lift Inside of Frame. No. 1 Patent Safety Wingloek Burner with One-piece Shaft. Security Standing Bail Hooked into Patent Brass Eyelets. Dome-shaped, Seamless Oil Fount with Brass Oil Filler, etc. Burns 18 Hours. Wick, ¾ Inch. Height Over All, 12 Inches. "Junior" Globe. Per Dozen

No. 65—Bright Tin . . . . .

One dozen in a case.
Weight, per dozen, 31 pounds.

"CRESCENT" COLD BLAST

Fully Meets Demand for Low-priced Lantern of the Cold Blast Type. Security Standing Bail. Patent Brass Eyelets. Wing Lock Burner, No. 2 Size, 1-inch Wick. Patent Globe Lift Inside Frame. Large Oil Filler. Double Seamed Seamless Oil Fount. Will Burn 18 Hours. Height Over All, 13 Inches. Per Dozen

No. 72—Bright Tin

"BLIZZARD" COLD BLAST

Blizzard "Lee-Nob" Globe. Double Seamed Solderless Dome-shaped Fount. Metal to Lift Can. Pull Out from Tubes. Rising Cone Wing-lock Burner, No. 2 Size. 1-inch Wick. Absolutely Safe. One-piece Shaft. Reinforced Corrugated Tubes Brazed to Fount. Burns 20 Hours. Height Over All, 14½ Inches. Per Dozen

No. 70—Bright Tin

NO. 1 "D-LITE" COLD BLAST

Made of AA Quality, Open Hearth Charcoal Tin. D-Lite Globe (Lee-Nob). Double Seamed Solderless Dome-shaped Fount. New Side Lift. Can't Pull Out from Tubes. Wing Lock Burner with One-piece Shaft. No. 1 Size. Reinforced Corrugated Tubes Brazed to Fount. Dovetail Wick. Will Burn 20 Hours. Height Over All, 13¾ Inches. Per Dozen

No. 45—Bright Tin .

One dozen in a case.
Weight, per dozen, 56 pounds.

NO. 2 LARGE FOUNT "D-LITE"

Made of AA Quality Open Hearth Charcoal Tin. D-Lite Globe (Lee-Nob). Double Seamed Solderless Dome-shaped Fount. New Side Lift. Can't Pull Out from Tubes. Wing Lock Burner with One-piece Shaft. No. 2 Size. Reinforced Corrugated Tubes Brazed to Fount. Dovetail Wick. Burns 40 Hours. Height Over All, 13¾ Inches. Per Dozen

No. 875 Bright Tin

Half dozen in a case
Weight, per dozen, 60 pounds.

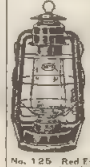
"LITTLE WIZARD" COLD BLAST LANTERN

Made of Best Grade Heavily Coated Tinned Steel. No. 1 Burner Fount Equipped with Large Oil Filler. New Side Lift, Can't Pull Out from Tubes. Reinforced Corrugated Tubes. ¾ Inch Wick. Burns 18 Hours. Height Over All, 11½ Inches. Per Dozen

No. 55—Bright Tin
One dozen in a case.

"BLIZZARD" COLD BLAST MILL LANTERNS

Frame Strongly Reinforced and Braced to Oil Fount. No. 2 Burner Tucked on Lantern Body. Fount Equipped with Safety Oil Well and Large Oil Filler Hinged Guard Protects Globe. Locking Device for Use with Small Padlock Prevents Tampering with Flame. 1-Inch Wick. Burns 18 Hours. "Blizzard" Globe. Height Over All, 13¾ Inches. Per Dozen



No. 125 Red Enamel
One dozen in a case

STREET LAMPS

Perfect in Quality and Cheap Enough for Ordinary Street Use. May be Filled and Trimmed While Burning. Globe Holder Designed to Prevent Tampering at May be Locked for a Certain Number of Hours.

"Pioneer" Post or Bracket

Dietz

No. D 130 Green Enamel Oil Burner Fount, Globe Holder, Globe and Cold Blast . . . . . Per Dozen

"JUNIOR COLD BLAST" WAGON

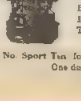
Carried on Side of Vehicle, Lighting the Road Ahead and at the Same Time Showing Red Danger Signal to the Rear. Easy and with Corrugated Tubes Reinforced and Braced to Fount. Each Tube Rear Leg and a Cord that on Hooks, Consisting of a Snap Hooking and Socket Taking a Round or Flat Bracket.

Wick, ¾ Inch. "Junior" Globe. No. 1 Tinned Steel Burner With One-piece Shaft Burns 18 Hours. Height Over All, 12 Inches. Right or Left Hand. Per Dozen

No. 100 Black Enamel. . . . . .

Half dozen in a case.
Weight, per dozen, about 60 pounds.

DIETZ SPORT TIN LANTERN



Good Construction, Light Weight and Serviceable. Finished in Bright Tin.

Height Over All, 7¾ Inches. Wick ½ Inch. Scout Globe, No. 561 Burner. Burns 10 Hours. I. C. P. Reflected Light by Test. Per Dozen

No. Sport Tin (formerly Scout)
One dozen in a box

RAILROAD LANTERNS

No. 1 Extra Special Outside Wire Runner Burner Oil Fount Interchangeable Through Top of Frame. Burns 24 Hours. 1-inch Wick. Large Globe. Per Dozen

No. 39—Round Wire Guards and Heavy, Stamped Base. Height Over All, 13 Inches.

"BEACON" WALL

Useful Wherever a Strong Reflecting Light is Required. May be Filled, Lighted and Regulated Without Removing Globe. Not Adaptable as Hand Lantern or Vehicle Light. Burns 35 Hours. No. 1 Burner. 2¼ inch Bullseye Lens. 1-inch Wick. Height, 20½ Inches. "Blizzard" Globe. Per Dozen

No. 30 Green Enamel

Quarter dozen in a case.
Weight, per dozen, about 100 pounds.

DIETZ SCOUT LANTERN

Height Over All, 7¾ Inches. Base of Wick, ¾ Inch. Oil Used 150° Kerosene. Fount Capacity, 10 Hours. Globe, Dietz "Scout". Globe. Patented Burner No. 561

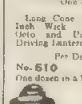
Per Dozen

No. "Scout" . . . . .

One Dozen in a Carton

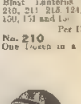
LANTERN BURNERS

Dietz



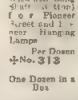
Wing Lock Cone, ¾ Inch Wick. For No. 1 Tubular, No. 2 Large Fount, Dietz No. 2 D-Lite, No. 2 Wad and No. 30 Beacon Wall . . . . . Per Dozen

No. 262 . . . . . One dozen in a box



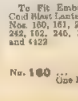
Long Cone ⅝ Inch Wick. For Dietz and Plain Driving Lanterns . . . . . Per Dozen

No. 610 . . . . . One dozen in a box



To Fit Embury Hot Blast Lanterns Nos. 210, 211, 213, 124, 130, 150, 151 and 152 . . . . . Per Dozen

No. 210 . . . . . One Dozen in a Box



Wing Lock Cone, 1¼ Inch Wick with Long Slant (Steel) for Pioneer Street and Hanger Hanging Lamps . . . . . Per Dozen

No. 313 . . . . . One Dozen in a Box

To Fit Embury Cold Blast Lanterns Nos. 160, 161, 240, 242, 162, 246, 168 and 4122 . . . . . Per Dozen

No. 160 . . . . . One Dozen in a Box

LANTERN BURNERS

Plain Cone ⅞ Inch Wick For O. K. Lantern. Substitute for Regular Burner on No. 3 Le Lanterne

Underwriter's Mill Lantern and King Fire Department Lantern

Per Dozen

No. 401 . . . . . One Dozen in a Box.

Fount and Burner for DF3 Street Lamps.

Per Dozen

No. 3FB . . . . . Loose

LAMP BURNERS

Banner

Heavy Brass Corrugated Cone For Sun Chimneys.

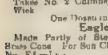
Per Dozen

No. BO—Inside Diameter 2 Inches Takes No. 0 Chimney and No. 0 Wick . . . . . .

No. B1—Inside Diameter 2½ Inches Takes No. 1 Chimney and No. 1 Wick . . . . . .

No. B2—Inside Diameter 3 Inches Takes No. 2 Chimney and No. 2 Wick . . . . . .

One Dozen in a Box



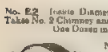
Eagle

Made Partly of Steel, Brass Plated Brass Cone For Sun Chimneys.

No. E1—Inside Diameter 2½ Inches Takes No. 1 Chimney and No. 1 Wick . . . . . Per Dozen.

No. E2—Inside Diameter 3 Inches Takes No. 2 Chimney and No. 2 Wick . . . . . Per Dozen

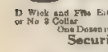
One Dozen in a Box.



No. E3—Inside Diameter 3 Inches Takes No 2 Chimney and No 3 or D Wick and Fits Either No 2 or No 3 Collar . . . . . Per Dozen

One Dozen in a Box.

Security

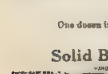


Plain Heavy Brass. Safety attachment fastened through tips of chimney guides, solid globe securely until released intentionally. Per Dozen

No. S1—Inside Diameter 2½ inches Takes No. 1 Sun Chimney and No. 1 Wick . . . . . .

One dozen in a box

Solid Brass



A Handsome, Wall made Burner in Every Way. Not Brass Plated Heavy Pack Solid Brass. Improved High Dome Wall Made Flat Chimney Seat. Heavy Flat Chimney Guards Securely Riveted to Base. Wired Rings. Strong Construction. Tested Scientific Combustion. Will Not Smoke at High or Low Flame. Gives Good Clear White Light. Per Dozen

No. P1—Size 1 . . . . .

No. P2—Size 2 . . . . .

One dozen in a box

LAMP CHIMNEYS

"Liberty Bell"

Sold in Case Quantities only

Fire-proof Quality Made from Very Best Materials and with Great Care and Skill. These are not Common Short Lived Chimneys, but Excellent and Lasting

"Sun Beaded Top"

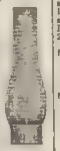
No. 100 Size 0 Diameter at Bottom, 2 Inches; at Bulb, 3 Inches Height, 6½ Inches Per Dozen

No. 101—Size 1 Diameter at Bottom 2½ Inches; at ⅝in. 3½ Inches Height, 7½ Inches Per Dozen

No. 102 Size 2 Diameter at Bottom, 3 Inches; at Bulb, 4 Inches Height 8½ Inches. Per Dozen

Six Dozen in a Case.

"Rochester"



Diameter at Bottom 2½ Inches at Bulb, 3¼ Inches Height 10 Inches Per Dozen

No. 210—Size 2 Two Dozen in a Case.

Diameter at Bottom, 4 Inches; at Bulb, 5 Inches Height, 13 Inches. Per Dozen

No. 310—Size 3 Two Dozen in a Case

Beaded Top

Diameter at Bottom, 3 Inches; at Bulb, 3½ Inches.

Per Dozen

No. 112—Plain Pattern

No. 115—Etched in Neat Design.

Three Dozen in a Case, Weight, 70 Lbs.

Electric Regular

Diameter at Bottom, 3 Inches; at Bulb, 4 Inches. Height, 10 Inches.

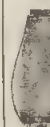
Per Dozen

No. 2E . . .

One in a Carton Six Dozen in a Case. Weight Per Case, 70 Lbs.

LANTERN GLOBES

White Vulcan Railroad



For Dietz Standard or Vulcan R.R. Lanterns Height, 4⅞ Inches Diameter at Bottom, 3⅛ Inches. Diameter at Top, 2¼ Ins.

Per Dozen

No. 39—1 Dozen in a partitioned Carton

No. 39R—Ruby

No. 385—Five Dozen in a Partitioned Carton

Scout

No. SL For Dietz Scout Lanterns

Per Dozen

Five Dozen in Case.

Ruby Cold Blast

For Dietz Cold Blast Lanterns Sizes 1 and 2. Height, 6⅝ Ins.; Diameter at Bottom, 3⅛ Ins.; Diameter at Top, 2⅛ Ins.

Per Dozen

No. 12CBR—1 Dozen in a Partitioned Carton

No. 12CBR5—5 Dozen in a Partitioned Carton.

LANTERN GLOBES

WHITE TUBULAR

For Hot Blast Lanterns, Sizes 0 and 2. Height, 6⅝ Inches. Diameter at Bottom, 2⅝ Inches Diameter at Top, 2⅛ Inches.

Per Dozen

No. 02W—One Dozen in a Partitioned Carton

No. 02W2—Two Dozen in a Partitioned Carton

No. 02W5—Five Dozen in a Partitioned Carton

RUBY TUBULAR

For Hot Blast Lanterns Sizes 0 and 2 Height 6⅝ Inches Diameter at Bottom 2⅝ Ins. Diameter at Top, 2⅛ Inches

Per Dozen

No. 02R—One Dozen in a Partitioned Carton

No. 025—Five Dozen in a Partitioned Carton

LAMP AND LANTERN HOLDERS

DIETZ

Dash Clamp Holder.

May be Used with "Junior" and "Roadster" Wagon Lamps and "Eureka," "Octo" and "Union" Driving Lamps. Per Dozen

No A . . . . . .

Flat Bracket Holder.

May be Used with "Junior" and "Roadster" Wagon Lamps to Locate Same on Side of Vehicle.

Per Dozen

No. E . . . . . .

Finger Prop Holder.

For Side of Driver's Seat or Wagon Box. May be Used with "Junior" and "Roadster" Wagon Lamps and "Eureka," "Octo" and "Union" Driving Lamps.

Per Dozen

No. B . . . . . .

Buggy Type (Rail) Holder.

Holds Lantern in Best Position to Light Roadway Ahead. Made of Cast Steel, Enameled Black. Size, 2 x 2½ x 3 Ins.

Per Dozen

No. E . . . . . .

DELTA ELECTRIC HAND LANTERN

Rod Enamel Deep Silvered Reflector Concentrated Filament Bulb No. 640 Renewable Bulb 7½ Inches High. Operates on Two No. 6 Dry Batteries

No. 10—Without Batteries Each

LANTERN GLOBES

WHITE COLD BLAST

For Cold Blast Lanterns Sizes 1 and 2. Height, 6⅝ Inches Diameter at Bottom, 2⅝ Ins. Diameter at Top, 2⅛ Inches

Per Dozen

No. 12CB—One Dozen in a Partitioned Carton

No. 12CB5—Five Dozen in a Partitioned Carton.

WHITE SHORT GLOBE

COLD BLAST

For Dietz D-Lite Lanterns Height, 4½ Inches Diameter at Bottom, 3⅛ Inches Diameter at Top, 4 Inches.

Per Dozen

No. DL—One Dozen in a Partitioned Carton

No. DL5—Five Dozen in a Partitioned Cartons . . .

GAS CONNECTIONS

Independent

Adjustable to Any Gas Connection Made of Cast Brass Finished.

Per Dozen

No. 8202—Size ⅝ In. . . . . One dozen in a box.

Straight

Made of Cast Brass Finished.

No. 8— Size ⅝ In Per Dozen

One dozen in a box

Pillars

For Lava Tips

Per Gross

No. 20. . . . . .

Tips—Lava

Per Gross

No. 4662

Aluminum

Per Gross

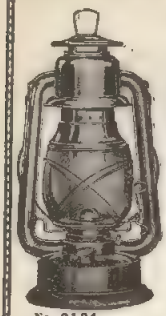
No. 8221 . . . . .

Half gross in a box

Loose.

†For Shipment from Factory Only

EMBURY LANTERNS



No. 3124

SHORT GLOBE COLD BLAST

It has a Dome-shaped Solderless Oil Fount, with Large Brass Oil Filler Special Cold Blast Tubes, Perfect Standing Bail, New Inside Lift Locked-in Safety Rising Cone Burner, Will Hold its White 10 C. P. Light Giving Power Against the Severest Wind. **Burns 35 Hours.** Bright 1-X-A-A-135 Pound Charcoal Tin No. 2 C. B. Burner. 1-in. Wick. Standard Short Globe.

Height Over All, 14¼ Inches

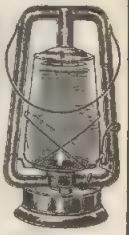
No. 3124—Bright Tin

Very Special Per Dozen

(No allowance made for price quantity One Dozen in a Case.

REGULAR HOT BLAST

Strongest, Most Durable, Convenient Hot Blast Lanterns Made With an Inside Lift and Large. Well Placed Brass Filler. Positive Secured Locking Globe Lift, Safety Locked-in Burner Dome Shaped Solderless Oil Fount **With Large Oil Filler.** Stamped Tubes Made of Bright 1-X-A-A-135 Pound Charcoal Tin No. 1 Burner. ¾ Inch Wick. No. 0 Globe. Ht. Over All 13¾ Ins. **Burns 30 Hours. Bright Tin**



No. 517—Bright Tin

Very Special Per Dozen

(No allowance made for price quantity One Dozen in a Case

COLD BLAST STANDARD SHORT GLOBE STYLE

Special Fount. Extra Large

"Supreme" Bright Tin. No. 2 C B Rising Cone Burner 1 Inch Wick Standard Short Globe. Height 14¾ Inches Burns 48 Hours.

Per Dozen

No. 162—Bright Tin

Half Dozen in a Case

Weight Per Dozen About 40 Lbs.

HOT BLAST

"Supreme" Bright Tin. No. 1 Burner, ¾-Inch Wick No. 0 Globe Height 13¾ Inches. Burns 30 Hours

Per Dozen

No. 210—Plain Globe . . . .

No. 211—Genuine Ruby Red Globe . . .

One Dozen in a Case

Weight Per Dozen About 30 Lbs.

COLD BLAST STANDARD SHORT GLOBE STYLE

"Supreme" Bright Tin. No. 2 C. B. Rising Cone Burner 1 Inch Wick. Standard Short Globe Height 14¾ Inches Burns 35 Hours

Per Dozen

No. 180—Bright Tin. . .

Half Dozen in a Case.

Weight Per Dozen About 50 Lbs.

HOT BLAST DASH LANTERN

"Supreme" Dash Enameled Red. No. 1 Burner ¾-Inch Wick No. 0 Globe Height 13¾ Inches Burns 30 Hours.

Per Dozen

No. 215—Enameled Red . .

Half Dozen in a Case.

Weight Per Dozen About 38 Lbs.

COLD BLAST SHORT GLOBE STYLE

"Little Supreme" Bright Tin. No. 0 C B Burner, ⅝-Inch Wick. Junior Short Globe Height 11⅝ Inches. Burns 30 Hours.

Per Dozen

No. 150—Plain Globe. . . . .

No. 151—Genuine Ruby Red Globe

One Dozen in a Case

Weight Per Dozen About 36 Lbs.

"LITTLE SUPREME" COLD BLAST DASH

"Little Supreme" Vehicle Lantern Enameled Black. No. 0 C B Burner ¾-Inch Wick Junior Short Globe Height 11⅝ inches Burns 30 Hours

Per Dozen

No. 156BE—Blue Eye Globe

No. 156PL—Plain Globe

Half Dozen in a Box

Weight Per Dozen About 36 Lbs.

REGULAR COLD BLAST

No. 1 C. B. "Supreme" Bright Tin. No 2 C B Rising Cone Burner 1-Inch Wick. No 2 C B Globe. Height 15 Inches Burns 35 Hours.

Per Doz

No. 240—Bright Tin

No. 242 Bright Tin Large Fount. Burns 48 Hours

MIDGET VEHICLE COLD BLAST

Enameled Black. No. 0 C B Burner ¾ Inch Wick Junior Globe Height, 12½ Inches Burns 24 Hours

Per Doz

No. E130—Enameled Black

Half Dozen in a Case

Weight Per Dozen About 48 Lbs.

ELECTRIC LANTERNS

Supreme

Red Enameled

Uses Three Unit Flashlight Batteries. Top and Battery Containers are Metal Red Enameled Wire Rail Screw Top and Bottom Globe No. 17 Miniature Bulb, Switch Lever Shut Off.

No. EE100—Without Batteries Each

CROCKERY

OUR COMPLETE SERVICE is right at hand to serve you efficiently whether you order only small emergency quantities to fill in your stock or whether you order sufficient quantities to make economical pottery shipments direct from the pottery to your store.

(A) F. O. B. New York

We have complete stocks and exceptional facilities for shipping within 24 hours. When you want this quick service, order from the columns headed "F. O. B. New York." No package charge.

(B) F. O. B. Pottery

Each order must total $25.00, there's no economy to you in ordering any less quantities shipped from pottery. Shipments made within 30 days. Prices as shown in columns headed "F. O. B. Pottery." Package charge extra.

Schedule of EXTRA package charges on all F. O. B. pottery shipments

	Price		Price		Price		Price		Price
No. 1 Crate	$5.00	No. 3 Crate	$4.60	No. 4 Crate	$3.70	No. 4½ Crate	$3.00	30" Barrel	$1.80
No. 1½	4.80	No. 3½	4.35	No. 5	3.30	No. 7	2.40	36" "	1.50
30" Barrel	$1.40	18" Barrel	$1.20	16" Barrel	$1.05				
36" "	1.30	17" "	1.15	12-Pc Crate	.70				

Package charges on shipments amount to about 6% of your total order decorated ware 8%

AMERICAN DECORATED SEMI-PORCELAIN DINNERWARE

"STAPLE"—K. T. & K.

Fancy Traymore shape, highly glazed, pure white body, run of kiln selection

DINNER SETS

For composition of dinner sets see bottom of page

(A) F. O. B. NEW YORK

R10795—32 pcs $2.40
Shipping weight about 30 lbs

R10790—42 pcs $3.65
Shipping weight about 40 lbs

R10796—50 pcs $5.15
Shipping weight about 50 lbs

R10793—100 pcs 10.50
Shipping weight about 80 lbs

(B F. O. B. POTTERY

RR10795—42 pcs $3.11
Shipping weight about 40 lbs

RR10796—50 pcs $4.35
Shipping weight about 50 lbs

RR10793—100 pcs $6.89
Shipping weight about 80 lbs

OPEN STOCK		A F. O. B. New York Per Doz	B F. O. B. Pottery Per Doz (24 pcs)
R10780	Tea cup, 3 in x 2 in, saucer 5 in	$1.62	$1.35
R10705	Coffee cup, 4x2½ in, saucer 5 in	2.00	1.67
R10710	Plate, 4 in, act. 6 in	$0.78	$0.60
R10711	" 5 " " 7 "	.85	.68
R10712	" 6 " " 8 "	1.05	.83
R10713	" 7 " " 9 "	1.32	1.06
R10714	" 8 " " 10 "	1.62	1.27
R10716	Deep soup, 7 in, act. 9 in	1.62	1.20
R10717	Coupe "	1.32	1.05
R10243	Platter, 8 in, act. 11 in	$1.90	$1.50
R10245	" 10 " " 13 "	3.42	2.70
R10244	" 12 " " 15 "	5.70	4.50
R10724	Baker, 4 in, act. 6 in x 2 in	$2.35	$1.80
R10758	Bowl, 5 in	1.90	1.50
R1 750	" 6 in	1.52	1.20
R10751	Salad " 7 in	1.90	1.60
R10752	" 8 in	2.28	1.80
R10753	" 9 in	3.42	2.70
R10760	Fruit " 5 in	.57	.45
R10763	Oatmeal " 6 in	1.18	.94
R10770	Jug, 6 in	2.66	2.10
R10771	" 7 in	3.80	3.00
R10775	Creamer, 4 in	$2.25	$1.68
R10777	Covered Sugar, 4 in	4.56	3.60
R10778	Cond Butter, with cover	$6.85	$5.40
R10780	Covered dish, 9 in	8.00	6.30
R10783	Casserole, 9 in	9.15	7.20
R10785	Sauce boat w/ detachable stand 7x3½ in	3.05	2.40
R10788	Pickle dish, 9x4½ in	2.25	1.80

"MOSS ROSE"—Ivory Body

"Moss Rose" Ivory Body—Homer Laughlin's tradeplate shape, (new). Porcelain ivory shape, light weight, second selection, but good merchantable ware, with stamped gold line and moss rose sprays green foliage on one side, matching stripe handle on other.

DINNER SETS

For composition of dinner sets see bottom of page

A F. O. B. NEW YORK

R3095 32 pcs $3.10
Shipping weight about 30 lbs

R3090 42 pcs $4.35
Shipping weight about

R3096 50 pcs $6.15
Shipping weight about 50 lbs

[redacted] 100 pcs 12.60
Shipping weight about 80 lbs

B) F. O. B. POTTERY

RR3095 32 pcs $2.35
Shipping weight 30 lbs

RR3090—42 pcs $3.35
Shipping weight 40 lbs

RR3096 50 pcs $4.75
Shipping weight about

RR3093 100 pcs $9.75
Shipping weight about

OPEN STOCK		A F. O. B. New York Per Doz	B F. O. B. Pottery Per Doz (24 pcs)
	Cups & Saucers		
R3000	Cup 3½ in, saucer 5½ in	$2.00	$1.58
R3010	Plates, 4 in, act. 6 in	$0.92	$0.72
R3011	" 5 " " 7 "	1.05	.78
R3012	" 6 " " 8 "	1.20	.99
R3013	" 7 " " 9 "	1.62	1.25
R3014	" 8 " " 10 "	1.86	1.50
R3017	Coupe soup, 7 in, act. 9 in	1.62	1.25
R3018	Cake plate, 10 in	3.75	2.80
R3043	Platters, 8 in, act. 11 in	$2.25	$1.78
R3045	" 10 " " 13 "	4.20	3.15
R3047	" 12 " " 15 "	6.85	5.25
R3024	Baker, 4 in, act. 6 in x 2 in	$2.80	$2.10
R 31	Bowl, 5 in	2.25	1.75
R3032	Salad, 7 in	2.80	2.10
R3034	Fruit, 5 in	.72	.55
R3065	Oatmeal, 6 in	1.45	1.10
R3076	Creamer, 4 in	$2.75	$2.10
R3077	Cond sugar, 4 in	6.60	4.20
R3078	Cond butter with cover	$8.35	$6.30
R3083	Cond Casserole, 9 in	11.20	8.40
R3085	Sauce boat, cond stand, 7 in	3.75	2.80
R3088	Pickle dish, 9 in	1.50	1.20
R3087	Peanut, 7 in	7.50	5.60

"GOLD BORDER"—Homer Laughlin

White semi-porcelain, second selection but good merchantable ware, artistic gold stamped wide border decoration

DINNER SETS

For composition of dinner sets see bottom of page

(A) F. O. B. NEW YORK

R14395—32 pcs $2.95
Shipping weight about 30 lbs

R14390—42 pcs $4.35
Shipping weight about 40 lbs

R14396—50 pcs $6.10
Shipping weight about 50 lbs

R14393—100 pcs $12.50
Shipping weight about 80 lbs

(B) F. O. B POTTERY

RR14395—32 pcs $2.25
Shipping weight about 30 lbs

RR14390—42 pcs $3.26
Shipping weight about 40 lbs

RR14396—50 pcs $4.50
Shipping weight about 50 lbs

RR14393—100 pcs 9.30
Shipping weight about 80 lbs

OPEN STOCK		A F. O. B. New York Per Doz	B F. O. B. Pottery Per Doz (24 pcs)
R14380	Tea cup 3½ in, saucer 5½ in	$1.90	$1.52
R14402	Coffee cup 3½ in, saucer 5½ in	1.90	1.52
R14310	Plate, 4 in, act. 6 in	$0.90	$0.68
R14384	" 5 " " 7 "	1.00	.79
R14382	" 6 " " 8 "	1.25	.93
R14411	" 7 " " 9 "	1.60	1.18
R14111	" 8 " " 10 "	1.90	1.43
R14443	Coupe soup, 7 in, act. 9 in	1.60	1.18
R14343	Platter, 8 in, act. 11 in	$2.25	$1.69
R14 45	" 10 " " 13 "	4.20	3.05
R14347	" 12 " " 15 "	6.95	5.06
R14324	Baker, 4 in, act. 6 in x 2 in	$2.75	$2.03
R14331	Bowl, 5 in	2.25	1.69
R14332	Soup, 6 in, act. 8 in	2.75	2.03
R14360	Fruit, 5 in, act. 6 in	.68	.51
R14365	Oatmeal, 6 in	1.40	1.05
R14376	Creamer, 4 in	$2.70	$2.03
R14377	Sugar bowl, 4 in	5.40	4.05
R14378	Cond butter loose cover	$8.10	$6.08
R14383	Cond dish, 9 in	9.50	7.10
R14382	Casserole, 9 in	10.80	8.10
R14385	Sauce boat w/ detachable stand 7x3½ in	3.60	2.70
R14388	Pickle dish, 9 in	1.80	1.10

Composition of Our Dinner Sets

32 Piece Set

8 tea cups, 8 plates, 7 in
8 saucers, 8 fruits, 4 in
8 plates, 4 in, 1 platter, 8 in

WE WILL GIVE YOU QUOTATIONS ON ANY SET YOU THINK YOU CAN SELL.

42 Piece Set

6 tea cups, 1 bowl, 10's
6 saucers, 1 platter, 8 in
6 plates, 4 in, 6 fruits, 4 in
6 plates, 5 in, 1 cond sugar, 2 pcs.
6 plates, 6 in, 1 creamer
6 plates, 7 in, 1 cond butter, 2 pcs.
6 coupe soups, 1 cond dish, 2 pcs.
6 soups, 5 in, 1 platter, 12 in

50 Piece Set

6 tea cups, 1 nappy, 7 in,
6 saucers, 1 bowl, 10's
6 plates, 4 in, 1 platter, 12 in.
6 plates, 6 in, 1 creamer
6 plates, 7 in, 1 cond sugar, 2 pcs.
6 coupe soups, 1 cond dish, 2 pcs.
6 soups, 5 in

100 Piece Set

12 tea cups, 12 fruits, 4 in,
12 saucers, 1 cond sugar (2 pcs.),
12 plates, 4 in, 1 creamer
12 " 5 in, 1 platter (3 pcs.)
12 " 7 in, 1 cond set (3 pcs.)
12 coupe soups, 1 cond dish, 7 in, (2 pcs.)
12 plates, 8 in, 1 sauce boat (2 pcs.),
1 pickle dish

Each pottery shipment order MUST TOTAL at least $25.00

AMERICAN DECORATED SEMI-PORCELAIN DINNERWARE

A—Shipped F. O. B. New York within 24 hours. No Package Charge
B—Shipped F. O. B. Pottery within 30 days. Package Charge Extra

★ **NOTE:** F. O. B. pottery orders for National China Company's decorations listed below MUST BE KEPT ENTIRELY SEPARATE from orders from other potteries. Each order must total at least $25.00, smaller orders will be shipped at F. O. B. New York prices.

"CAPITOL"—Homer Laughlin

Light weight, highly glazed new shapes, ⅛ in. gold band edges, gold ornamented handles.

DINNER SETS

For composition of dinner sets see nearby page

(A) F. O. B. NEW YORK

R11895—32 pcs. $3.60
Shipping weight about 34 lbs

R11890—42 pcs. $5.25
Shipping weight about 40 lbs

R11896—50 pcs. $7.35
Shipping weight about 50 lbs

R11893—100 pcs 14.95
Shipping weight about 90 lbs

(B) F. O. B. POTTERY

RR11895—32 pcs $2.65
Shipping weight about 30 lbs

RR11890—42 pcs $3.85
Shipping weight about 40 lbs.

RR11896—50 pcs $5.40
Shipping weight about 50 lbs

RR11893—100 pcs $11.00
Shipping weight about 90 lbs

OPEN STOCK

		(A) F. O. B. New York	(B) F. O. B. Pottery
		Doz (2 pcs)	Doz (24 pcs)
R11800	Tea cup 3½x2, saucer 5½	$2.25	$1.80
R11802	Oxide cup 3½x2, saucer 5½		
		Doz	Doz
R11810	Plate, 6 in. act. 6 in.	$1.10	$0.80
R11811	" 8 " " 8 "	1.25	.90
R11812	" 9 " " 9 "	1.50	1.10
R11813	" 7 " " 7 "	1.90	1.40
R11814	" 8 " " 9 "	2.40	1.70
R11817	Coupe soup, 7 in. act. 8¼ in.	1.90	1.40
R11816	Deep soup, 7 in. act. 8¼ in.	2.25	1.60
R11842	Platter, 10 in. act. 11½	$2.40	$1.60
R11843	" 13 " " 15	3.00	2.00
R11845	" 16 " " 18½	5.40	3.60
R11847	" 12 " " 13½	9.00	6.00
R11824	Baker, 7 in., act. 8¾x5¼ in.	$3.30	$2.40
R11810	Bowl, 6 in.	2.25	1.60
R11831	Salad bowl, 10 in.	3.75	2.60
R11852	Fruit, 4½ in. act. 5½ in.	3.30	2.40
R11860	Fruit, 4½ in. act. 5½ in.	.84	.60
R11866	Oatmeal, 6 in.	1.75	1.25
R11876	Creamer, 10 oz.	$3.30	$2.40
R11877	Covered sugar, 8 oz.	6.60	4.80
R11878	Covered butter, 7½ in.	10.80	7.20
R11886	Covered dish, 9 in.	12.60	8.40
R11883	Casserole, round, 7 in.	14.40	9.60
R11885	Sauce boat, 7x4¼ in. no stand	4.40	3.20
R11886	Pickle dish, 8¾x5¼ in.	1.95	1.50

"MONARCH"—K. T. & K.

Light weight, pure white, ⅛ in. gold band edges, upright pieces gold band center.

DINNER SETS

For composition of dinner sets see nearby page.

(A) F. O. B. NEW YORK

R15695—32 pcs $3.75
Shipping weight about 30 lbs

R15690—42 pcs $5.40
Shipping weight about 40 lbs

R15696—50 pcs $7.60
Shipping weight about 50 lbs

R15693—100 pcs 15.50
Shipping weight about 90 lbs

(B) F. O. B. POTTERY

RR15695—32 pcs $3.00
Shipping weight about 30 lbs.

RR15690—42 pcs $4.40
Shipping weight about 40 lbs

RR15696—50 pcs $6.10
Shipping weight about 50 lbs

RR15693—100 pcs $12.55
Shipping weight about 90 lbs.

OPEN STOCK

		(A) F. O. B. New York	(B) F. O. B. Pottery
		Doz (24 pcs)	Doz (24 pcs)
R15600	Viet. tea cup and saucer, 3¼x2 saucer 5½	$2.35	$2.03
R15602	Amer. oxide tea cup 3¼x2, saucer 5½		
		Doz	Doz
R15610	Plate, 6 in. actual 6¼	$1.15	$0.90
R15611	" 8 " " 8¼	1.30	1.01
R15613	" 9 " " 9¼	1.60	1.24
R15615	" 7 " " 9	2.00	1.68
R15614	" 8 " " 9¼	2.50	1.91
R15617	Coupe soup, 7 in. act. 8¼ in.	2.00	1.58
R15642	Platter, 8 in. act. 11½	$3.15	$2.25
R15645	" 10 " " 13½	5.05	4.05
R15647	" 12 " " 15½	9.40	6.75
R15624	Baker, footed act. 9¼ in.	$3.60	$2.70
R 631	Bowl, 6 in.	2.95	2.25
R 632	Soup, 7 in. act. 8¼	3.50	2.70
R15680	Fruit, 4½ in. act. 5½ in.	.86	.68
R 685	Oatmeal, 6 in.	1.80	1.40
R15676	Creamer, 9½	$3.45	$2.70
R 677	Covered sugar, 8 oz.	6.90	5.40
R15674	Cov'd butter, 6 in.	$11.25	$8.10
R15686	Cov'd dish, 9¼ in. act. 9½	13.20	9.45
R15683	Casserole, round act. 9½	T O	10.80
R15685	Sauce boat, handled Size 6¾x4½ in.	$4.80	3.60
R15686	Pickle dish, 8 in.	1.96	1.48

"Presidential"—Homer Laughlin

Designed Specially for Butler Brothers

Fine quality light weight, pure white highly glazed attractive design in blue, green, pink and yellow, "Kwaker" shape

DINNER SETS

(A F. O. B. NEW YORK

For composition of dinner sets see nearby page

R13795—32 pcs $4.40
Shipping weight about 30 lbs

R13790—42 pcs $6.40
Shipping weight about 40 lbs

R13796—50 pcs $9.10
Shipping weight about 50 lbs

R13793—100 pcs 18.50
Shipping weight about 90 lbs

(B) F. O. B. POTTERY

RR13795—32 pcs $3.60
Shipping weight about 30 lbs

RR13790—42 pcs $5.23
Shipping weight about 40 lbs

RR13796—50 pcs $7.29
Shipping weight about 50 lbs.

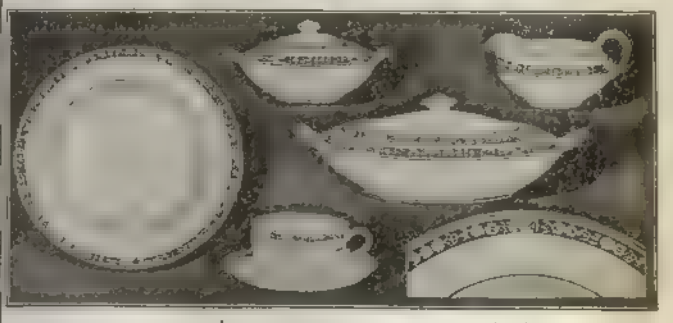
RR13793—100 pc 14.90
Shipping weight about 90 lbs.

OPEN STOCK

		A F. O. B. New York	B F. O. B. Pottery
		Doz (24 pcs)	Doz (24 pcs)
R13700	Tea cup, 3½x3¼, saucer 6½	$2.85	$2.42
		Doz	Doz
R13710	Plate, 6 in. act. 6 in.	$1.35	$1.08
R13711	" 8 " " 8 "	1.55	1.21
R13712	" 9 " " 9 "	1.85	1.48
R13713	" 7 " " 7 "	2.35	1.88
R13714	" 8 " " 9¼ "	2.85	2.28
R13717	Coupe soup, 7 in., act. 8¼	2.35	1.88
R13743	Platter, 10 in. act. 11 in.	$3.90	$2.69
R13745	" 13 " " 15¾	6.50	4.85
R13747	" 16 " " 18¾	10.90	8.06
R13724	Baker, 7 in. act. 8¾ in.	$4.10	$3.23
R13731	Bowl, 6 in.	3.40	2.69
R13732	Salad bowl, 10 in. act. 8½ in.	4.10	3.23
R13760	Fruit, 4½ in. act. 5½ in.	1.00	.81
R13765	Oatmeal, 6 in.	2.20	1.68
R13776	Creamer, 10 oz.	$4.10	$3.25
R13777	Covered sugar, 8 oz.	8.20	6.45
R13778	Cov'd butter, with drainer	$13.05	$9.68
R13780	Cov'd dish, 9¼ in.	15.20	11.30
R13783	Casserole, round, 7 in.	17.40	12.90
R13785	Sauce boat, 7¾x4¼ in., without stand	5.40	4.30
R13786	Pickle dish, 8¾x5¼ in.	2.20	1.75

★ "NEW DEL MONTE"—National China Co.

First quality high weight new ivory body, delicate pink rose daisies and forget-me-nots on thick band, gold edges, striped handles and verge lines.



DINNER SETS

(A) F. O. B. NEW YORK

For composition of dinner sets see nearby page

R4895—32 pcs $5.20
Shipping weight about 30 lbs

R4890—42 pcs $7.50
Shipping weight about 40 lbs

R4896—50 pcs $11.10
Shipping weight about 50 lbs

R4893—100 pcs 21.25
Shipping weight about 90 lbs

(B F. O. B. POTTERY

RR4895—32 pcs $4.25
Shipping weight about 30 lbs

RR4890—42 pcs $6.15
Shipping weight about 40 lbs

RR4896—50 pcs $8.30
Shipping weight about 50 lbs

RR4893—100pcs 17.30
Shipping weight about 90 lbs.

OPEN STOCK

		(A) F. O. B. New York	(B) F. O. B. Pottery
		Doz (24 pcs)	Doz (24 pcs)
R4800	Tea cup, 3¼x2, saucer 5	$3.42	$2.78
R4810	Plate, 6 in. act. 6 in.	$1.80	$1.30
R4811	" 8 " " 8 "	1.80	1.46
R4812	" 9 " " 9 "	2.20	1.78
R4813	" 7 " " 7 "	2.80	2.28
R4814	" 8 " " 9¼ "	3.40	2.76
R4815	Coupe soup, act. 8¼ in.	2.80	2.28
R4843	Platter, 8 in. act. 11 in.	$4.00	$3.26
R4845	" 10 " " 13	7.20	5.86
R4847	" 12 " " 15	12.00	9.76
R4824	Baker, act. 10 in.	$4.80	$3.90
R4810	Bowl, 6 in.	3.20	2.60
R4832	Salad bowl, 10 in. act. 8½	4.80	3.90
R4860	Fruit, 4½ in. act. 5½ in.	1.20	.98
R4865	Oatmeal, 6 in.	2.50	2.02
R4876	Creamer, 10 oz.	$4.80	$3.90
R4877	Cov'd sugar, 8 oz.	9.60	7.80
R4878	Cov'd butter, with drainer	$14.40	11.70
R4880	Cov'd dish, 9¼ in.	16.80	13.66
R4883	Casserole, round, 7 in.	19.20	15.60
R4885	Sauce boat, without stand	6.40	5.20
R4886	Pickle dish, 8¾x5¼ in.	4.80	3.90

Each pottery shipment order MUST TOTAL at least $25.00

AMERICAN DECORATED SEMI-PORCELAIN DINNERWARE

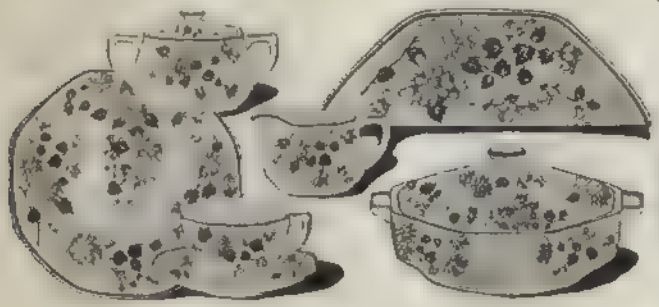
Shipped EITHER (A) F. O. B. New York OR (B) F. O. B. Pottery

COLUMN A— COLUMN B—

F. O. B. New York prices on dinnerware carried in stock at New York and shipped immediately. No package charge. F. O. B. Pottery prices. Shipped within 30 days. Package charge extra. Each order MUST TOTAL $25.00.

"CHRYSANTHEMUM"—Ivory Body

"Homer Laughlin" trademarked, new yellowstone, octagon shape, ivory colored, fine quality, light weight, almost transparent, large spray yellow chrysanthemums, black stems and leaves, black traced edges, knobs and handles.



DINNER SETS

For complete description of dinner sets see bottom of nearby page.

(A) F. O. B. NEW YORK

R3995—32 pcs. $4.90
Shipping weight about 30 lbs.

R3990—42 pcs. $7.10
Shipping weight about 40 lbs.

R3996—50 pcs. $9.95
Shipping weight about 50 lbs.

R3993—100 pcs. 20.50
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR3995—32 pcs. $4.00
Shipping weight about 30 lbs.

RR3990—42 pcs. $5.83
Shipping weight about 40 lbs.

RR3996—50 pcs. $8.08
Shipping weight about 50 lbs.

RR3993—100 pcs. 16.85
Shipping weight about 90 lbs.

OPEN STOCK

		(A) F. O. B. New York	(B) F. O. B. Pottery
		Doz. (3 pcs)	Doz. (3 pcs)
R3900	Tea cup, 3¼x2¼, saucer 5½	$3.38	$2.70
		Doz.	Doz.
R3910	Plate, 6 in., act. 6 in.	$1.60	$1.20
R3911	" 7 " " 7 "	1.68	1.35
R3912	" 8 " " 8 "	2.08	1.65
R3913	" 9 " " 9 "	2.63	2.10
R3914	" 9½ " " 9½ "	3.18	2.54
R3917	Coupe soup, act. 8¼ in.	2.63	2.10
R3915	Cake plate, act. 10½ in.	6.00	4.80
R3943	Platter, 15 in. act. 12½ in.	$4.00	$3.00
R3945	" 16 " " 13½ "	7.20	5.40
R3947	" 20 " " 16½ "	12.00	9.00
R3924	Baker, 7 in.	$4.50	$3.60
R3911	Bowl, 6 in.	3.76	3.00
R3912	Salad, 7 in., act. 8½ in.	4.50	3.60
R3900	Fruit, 4 in., act. 5½ in.	1.12	.90
R3965	Oatmeal, 36's, act. 6 in.	2.36	1.88
R3916	Creamer, 36's	$4.60	$3.68
R3977	Cov'd sugar, 36's	9.00	7.20
R3978	Cov'd butter, with drainer	$14.40	$10.80
R3983	Cov'd casserole, act. 8½ in.	18.20	14.40
R3985	Sauce boat, handled, act. 7½x4½ in.	6.00	4.80
R3984	Pickle dish, 8½x5½ in.	4.50	3.60
R3987	Teapot, 36's	12.00	9.60

"ARCADIA"—Ivory Body

"Homer Laughlin" trademarked, new yellowstone, octagon shape, fine quality, light weight, ivory colored almost transparent, large, bright colored, conventional floral designs, red, green and blue colors predominating, wide maroon band edges, traced knobs and handles, tan color inner verge lines.

DINNER SETS

For complete description of dinner sets see bottom of nearby page.

(A) F. O. B. NEW YORK

R4095—32 pcs. $5.25
Shipping weight about 30 lbs.

R4090—42 pcs. $7.60
Shipping weight about 40 lbs.

R4096—50 pcs. $10.60
Shipping weight about 50 lbs.

R4093—108 pcs. 21.95
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR4095—32 pcs. $4.25
Shipping weight about 30 lbs.

RR4090—42 pcs. $6.18
Shipping weight about 40 lbs.

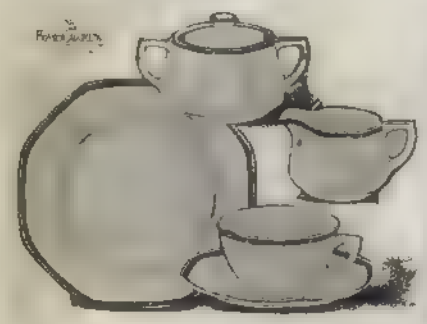
RR4096—50 pcs. $8.57
Shipping weight about 50 lbs.

RR4093—108 pcs. 17.93
Shipping weight about 90 lbs.

OPEN STOCK

		(A) F. O. B. New York	(B) F. O. B. Pottery
		Doz. (3 pcs)	Doz. (3 pcs)
R4000	Tea cup, 3¼x2¼ in., saucer 5½	$3.60	$2.87
		Doz.	Doz.
R4010	Plate, 6 in., act. 6 in.	$1.60	$1.28
R4011	" 7 " " 7 "	1.80	1.43
R4012	" 8 " " 8 "	2.20	1.76
R4038	" 9 " " 9 "	2.80	2.23
R4014	" 9½ " " 9½ "	3.40	2.71
R4017	Coupe soup, act. 8¼ in.	2.80	2.23
R4018	Cake plate, act. 10½ in.	6.40	5.10
R4043	Platter, 15 in. act. 12½ in.	$4.26	$3.18
R4045	" 16 " " 13½ "	7.68	6.74
R4047	" 20 " " 16½ "	12.78	9.57
R4024	Baker, 7 in.	$4.80	$3.83
R4011	Bowl, 6 in.	4.00	3.19
R4012	Salad, 7 in., act. 8½ in.	4.80	3.83
R4000	Fruit, 4 in., act. 5½ in.	1.20	.96
R4065	Oatmeal, 36's, actual 6¼ in.	2.50	1.99
R4076	Creamer, 36's	$4.80	$3.83
R4077	Cov'd sugar, 36's	9.60	7.65
R4078	Cov'd butter, with drainer	$15.30	$11.48
R4083	Cov'd casserole, act. 8½ in.	20.40	15.30
R4085	Sauce boat, handled, act. 7½x4½ in.	6.40	5.10
R4086	Pickle dish, 8½x5½ in.	4.80	3.83
R4087	Teapot, 36's	12.75	9.60

"YELLOWSTONE" Homer Laughlin



Homer Laughlin's finest quality, first-selection ware, new octagon shape, each piece carefully selected, perfect in every way. Light weight, ivory body, rich yellowstone glaze, hand-some floral decoration, black traced edges, knobs and handles.

Dinner Sets

		F. O. B. New York	F. O. B. Pottery
		Set	Set
R3395	32 pcs. Ship. wt. abt. 30 lbs.	$3.95	$3.35
R3390	42 " " " 40 "	6.75	4.95
R3396	50 " " " 50 "	8.10	6.95
R3393	100 " " " 90 "	16.75	13.95

Open Stock

		Doz. (3 pcs)	Doz.
R3300	Tea cup, 3¼x2¼, saucer 5½	$2.70	$2.31
		Doz.	Doz.
R3310	Plate, 6 in., act. 6 in.	$1.20	$1.03
R3311	" 7 " " 7 "	1.35	1.15
R3312	" 8 " " 8 "	1.65	1.41
R3313	" 9 " " 9 "	2.10	1.79
R3314	" 9½ " " 9½ "	2.54	2.17
R3317	Coupe soup, act. 8¼ in.	2.10	1.79
R3315	Platter, 15 in. act. 12½ in.	3.25	2.50
R3345	" 16 " " 13½ "	5.75	4.61
R3347	" 20 " " 16½ "	9.50	7.69
R3324	Baker, 7 in. act. 8½ in.	3.75	4.08
R3311	Bowl, 6 in. act. 6½ in.	3.25	2.58
R3300	Fruit, 4 in. actual 5½ in.	.90	.77
R3365	Oatmeal, 36's actual 6¼ in.	1.95	1.62
R3352	Salad, 7 in.	3.75	3.08
R3376	Creamer, 36's	3.75	2.97
R3377	Covered sugar, 36's	7.50	6.15
R3378	Cov'd butter, with drainer	11.60	9.24
R3383	Casserole	15.00	12.30
R3385	Sauce boat	4.80	4.10
R3386	Pickle dish	3.75	3.08

"FRENCH BORDER" Homer Laughlin

Light weight, "Empress" shape, 3½ in. border decoration, tan [illegible] ware, [illegible] dishes. [illegible] Panel [illegible] shape.

Dinner Sets

		F. O. B. New York	F. O. B. Pottery
		Set	Set
R10895	32 pcs. Ship. wt. abt. 30 lbs.	$5.25	$4.35
R10890	42 " " " 40 "	7.60	6.35
R10896	50 " " " 50 "	10.60	8.85
R10893	100 " " " 90 "	21.95	18.10

Open Stock

		Doz. (3 pcs)	Doz.
R10900	Cup, 3¼x2¼, saucer 5½ in.	$3.60	$2.93
		Doz.	Doz.
R10910	Plate, 6 in., act. 6 in.	$1.60	$1.30
R10911	" 7 " " 7 "	1.80	1.48
R10912	" 8 " " 8 "	2.20	1.78
R10913	" 9 " " 9 "	2.80	2.28
R10914	" 9½ " " 9½ "	3.40	2.78
R10917	Coupe soup, act. 8¼ in.	2.80	2.28
R10915	Platter, 15 in. act. 12½ in.	4.25	3.25
R10943	Platter, 16 in. act. 13½ in.	7.68	5.98
R10945	" 20 " " 16½ "	12.75	9.58
R10924	Baker, 7 in. act. 8½ in.	4.80	3.90
R10911	Bowl, 6 in.	4.00	3.25
R10912	Salad, 7 in., act. 8½ in.	4.80	3.90
R10900	Fruit, 4 in. act. 5½ in.	1.20	.95
R10965	Oatmeal, 36's, act. 6 in.	2.50	2.02
R10976	Creamer, 36's	4.80	3.90
R10977	Cov'd sugar, 36's	9.60	7.80
R10978	Cov'd butter, with drainer	15.30	11.70
R10980	Cov'd dish, oval, act. 10 in.	17.85	13.60
R10983	Cov'd casserole, act. 8½ in.	20.40	15.30
R10985	Sauce boat, handled, 7½x4½ in.	6.40	5.30
R10986	Pickle dish, 8½x5½ in.	4.80	3.90

"NEW PALATIAL" Homer Laughlin

[illegible] quality pure white, light weight, "Kwaker" shape, [illegible] in. border decoration, blue and tan medallions, ivory back-[illegible] [illegible] and edges, [illegible] and knobs.

Dinner Sets

		F. O. B. New York	F. O. B. Pottery
		Set	Set
R20895	32 pcs. Ship. wt. abt. 30 lbs.	$5.28	$4.35
R20890	42 " " " 40 "	7.60	6.35
R20896	50 " " " 50 "	10.60	8.85
R20893	100 " " " 90 "	21.95	18.10

Open Stock

		Doz. (3 pcs)	Doz.
R20900	Tea cup, 3¼x2¼, saucer 5½	$3.60	$2.93
		Doz.	Doz.
R20910	Plate, 6 in., act. 6 in.	$1.60	$1.30
R20911	" 7 " " 7 "	1.80	1.48
R20912	" 8 " " 8 "	2.20	1.78
R20913	" 9 " " 9 "	2.80	2.28
R20914	" 9½ " " 9½ "	3.40	2.78
R20917	Coupe soup, act. 8¼ in.	2.80	2.28
R20915	Platter, 15 in. act. 12½ in.	4.25	3.25
R20945	" 16 " " 13½ "	7.65	5.98
R20947	" 20 " " 16½ "	12.75	9.58
R20924	Baker, 7 in. act. 8½ in.	4.80	3.90
R20911	Bowl, 6 in.	4.00	3.25
R20912	Salad, 7 in. act. 8½ in.	4.80	3.90
R20900	Fruit, 4 in. actual 5½ in.	1.20	.95
R20965	Oatmeal, 36's actual 6¼ in.	2.50	2.02
R20976	Creamer, 36's	4.80	3.90
R20977	Covered sugar, 36's	9.60	7.80
R20978	Cov'd butter, with drainer	15.30	11.70
R20980	Cov'd dish, oval, act. 10 in.	17.85	13.60
R20983	Cov'd casserole, act. 8½ in.	20.40	15.30
R20984	Sauce boat, att. stand, 8½ in.	14.40	11.70
R20986	Pickle dish, 8½x5½ in.	4.80	3.90

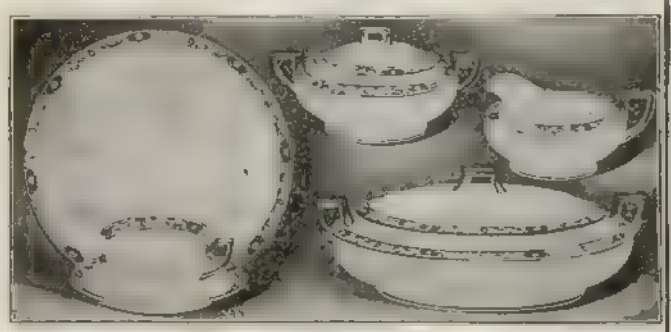
AMERICAN DECORATED SEMI-PORCELAIN DINNERWARE

Shipped EITHER (A) F. O. B. New York COLUMN A —
OR (B) F. O. B. Pottery COLUMN B —

F. O. B. New York prices. Carried in stock at New York and shipped immediately. No package charge
F. O. B. Pottery prices. Shipped within 30 days. Packing charge extra. Each order MUST TOTAL $25.00.

"VANDERBILT"—Homer Laughlin

Light weight white ware shape, gold pink rose and green foliage border, black stamp mark, fine quality gold banding, gold edges and bases of upright pieces, coin gold handles and knobs.



DINNER SETS

(A) F. O. B. NEW YORK

R13995—32 pcs $7.20
Shipping weight about 30 lbs.

R13998—42 pcs $11.25
Shipping weight about 40 lbs.

R13996—50 pcs $15.40
Shipping weight about 50 lbs.

R13993—100pcs $31.50
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR13995—32 pcs $5.80
Shipping weight about 30 lbs.

RR13998—42 pcs $8.80
Shipping weight about 40 lbs.

RR13996—50 pcs 12.10
Shipping weight about 50 lbs.

RR13993—100pcs 24.85
Shipping weight about 90 lbs.

OPEN STOCK

	(A) F. O. B. New York DOZ (24 pcs)	(B) F. O. B. Pottery DOZ (24 pcs)
R13900—Tea cup, [illegible] saucer 5 in	$5.95	$4.56
R13910—Plate, 6 in, act 6 in	$2.00	$1.60
R13911— " 6 " " 6 "	2.25	1.80
R13912— " 7 " " 7 "	2.75	2.20
R13913— " 8 " " 8 "	3.50	2.80
R13914— " 9 " " 9 "	4.20	3.40
R13917—Coupe soup, act 8½ in	3.50	2.80
R13943—Platter, 8 in [illegible]	$5.40	$4.00
R13944— " 10 " "	9.70	7.20
R13945— " 12 " "	16.10	12.00
R13924—Baker, [illegible]	$6.00	$4.80
R13931—Bowl, 5½ in	5.00	4.00
R13932—Salad, 7 in act 8½ in	6.00	4.80
R13950—Fruit, 4 in act 5½ in	1.50	1.20
R13965—Oatmeal, 6 in act 6½ in	3.20	2.50
R13976—Creamer, 4 in	$9.60	$7.20
R13977—Covered sugar, 3½ in	18.60	13.80
R13978—Cov'd butter, with drainer	$21.00	$15.48
R13980—Cov'd dish, 9 in act 11 in	27.10	19.80
R13983—Casserole, round, act 8½ in	30 30	22.20
R13984—Sauce boat, handled, 7x3½ in [illegible]	20.90	17.40
R13986—Pickle dish, 8x5½ in	9.25	4.80

"PEACOCK" —Ivory Body

Knowles, Taylor, Knowles trademarked, finest quality ivory colored, new paneled shape elaborate raw peacock and floral design. Bright natural colors, tan color edge and inner verge line, traced handles and knobs.

DINNER SETS
For composition of dinner sets see bottom of nearby page

(A) F. O. B. NEW YORK

R4295—32 pcs $5.85
Shipping weight about 30 lbs.

R4290—42 pcs $8.50
Shipping weight about 40 lbs.

R4296—50 pcs $11.85
Shipping weight about 50 lbs.

R4293—100 pcs $24.25
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR4295—32 pcs $4.75
Shipping weight about 30 lbs.

RR4290—42 pcs $6.90
Shipping weight about 40 lbs.

RR4296—50 pcs $9.80
Shipping weight about 50 lbs.

RR4293—100 pcs 19.95
Shipping weight about 90 lbs.

OPEN STOCK

	(A) F. O. B. New York DOZ (24 pcs)	(B) F. O. B. Pottery DOZ (24 pcs)
R4200—Tea cup, 3½x2½, saucer 6 in	$3.95	$3.20
R4210—Plate, 6 in, act 6½ in	$1.78	$1.44
R4211— " 6 " " 7¼ "	1.98	1.82
R4212— " 8 " " 8½ "	2.44	1.98
R4213— " 7 " " 9¾ "	3.08	2.50
R4214— " 9 " " 10½ "	3.76	3.05
R4217—Coupe soup 7 in act 8½ in	3.06	2.50
R4215—Cake plate	7.00	5.70
R4241—Platter, 9 in act 11½ in	$4.70	$3.56
R4245— " 13 " 15¾ "	8.40	6.40
R4247— " 15 " 18¾ "	14.10	10.70
R4224—Baker, 6 in act 8½ in	$5.26	$4.28
R4231—Bowl, 30's	4.40	3.56
R4232—Salad, 7 in act 8½ in	6.25	4.28
R4260—Fruit, 4 in act 5½ in	1.92	1.08
R4265—Oatmeal, 6½ in act 6 in	5.25	2.28
R4276—Creamer, 4 in	5.25	4.28
R4277—Covered sugar, 30's	10.50	8.56
R4297—Teapot, 80 in	14.00	11.40
R4278—Cov'd butter, with drainer	$16.90	$12.86
R4280—Casserole, round, act 8½ in	22.50	17.10
R4281—Sauce boat, without stand	7.20	5.70
R4286—Pickle dish, 8x5½ in	5.25	4.28

"BUTTERCUP" —Ivory Body

"Homer Laughlin" trademarked, fine quality, light weight, ivory colored, new yellowstone octagon shape, conventional border decorated in yellow butter cups, green leaves with black stamens and stems, black traced borders, edges, knobs and handles.

DINNER SETS
For composition of dinner sets see bottom of nearby page.

(A) F.O.B. NEW YORK

R4395—32 pcs $6.55
Shipping weight about 30 lbs.

R4390—42 pcs $9.60
Shipping weight about 40 lbs.

R4396—50 pcs $13.40
Shipping weight about 50 lbs.

R4393—100 pcs $27.50
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR4395—32 pcs $5.35
Shipping weight about 30 lbs.

RR4390—42 pcs $7.75
Shipping weight about 40 lbs.

RR4396—50 pcs $10.85
Shipping weight about 50 lbs.

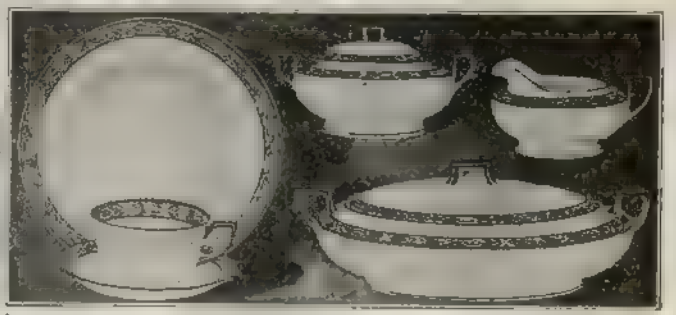
RR4393—100 pcs 22.50
Shipping weight about 90 lbs.

OPEN STOCK

	(A) F. O. B. New York DOZ (24 pcs)	(B) F. O. B. Pottery DOZ (24 pcs)
R4100—Tea cup, 3½x2½, saucer 5½	$4.50	$3.60
R4110—Plate, 6 in, act 6 in	$2.00	$1.60
R4111— " 6 " " 6 "	2.25	1.80
R4112— " 8 " " 8 "	2.75	2.20
R4113— " 7 " " 9 "	3.50	2.80
R4114— " 9 " " 10½ "	4.24	3.40
R4117—Coupe soup, act 8½ in	$3.50	$2.80
R4345—Cake plate	8.00	6.40
R4341—Platter, 8 in act 11 in	$5.25	$4.00
R4345— " 10 " 13 "	9.45	7.20
R4347— " 12 " 15 "	15.75	12.00
R4324—Baker, 6 in act 8 in	$6.00	$4.80
R4331—Bowl, 5½ in	5.00	4.00
R4332—Salad, 7 in act 8½ in	6.00	4.80
R4360—Fruit, 4 in act 5½ in	1.50	1.20
R4365—Oatmeal, 6 in act 6½ in	3.12	2.50
R4376—Creamer, 4 in	$6.00	$4.80
R4377—Covered sugar, 3½ in	12.00	9.60
R4347—Teapot, 8 in	16.00	12.80
R4378—Cov'd butter, with drainer	$18.90	$14.40
R4380—Casserole, round, act 8½ in	25.20	19.20
R4385—Sauce boat, handled, 7x3½ in	8.00	6.40
R4386—Pickle dish, 8x5½ in	6.00	4.80

"VANDEMERE"—Homer Laughlin

Heavy fine quality trademarked fine quality light weight pure white, Kwaker shape, 8 in handle decoration in and green over ivory background, [illegible] gold band edges, inner gold border, burnished coin gold handles and knobs.



DINNER SETS
For composition of dinner sets see bottom of nearby page.

(A) F. O. B. NEW YORK

R20695—32 pcs $7.20
Shipping weight about 30 lbs.

R20690—42 pcs $11.25
Shipping weight about 40 lbs.

R20696—50 pcs $15.40
Shipping weight about 50 lbs.

R20693—100 pcs 31.50
Shipping weight about 90 lbs.

(B) F. O. B. POTTERY

RR20695—32 pcs $5.80
Shipping weight about 30 lbs.

RR20690—42 pcs $8.80
Shipping weight about 40 lbs.

RR20696—50 pcs 12,10
Shipping weight about 50 lbs.

RR20693—100 pc 24.85
Shipping weight about 90 lbs.

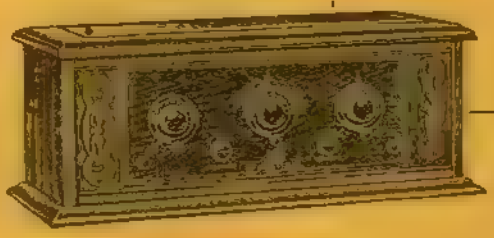
OPEN STOCK

	(A) F. O. B. New York DOZ (24 pcs)	(B) F. O. B. Pottery DOZ (24 pcs)
R20600—Tea cup, 3½x2½, saucer 5½	$5.95	$4.56
R20610—Plate, 6 in, act 6 in	$2.00	$1.60
R20611— " 6 " " 7 "	2.25	1.80
R 0612— " 6 " " 8 "	2.75	2.20
R 0613— " 7 " " 9 "	3.50	2.80
R 0614— " 8 " " 10½ "	4.20	3.40
R 0617—Coupe soup, act 8½ in	3.50	2.80
R20643—Platter, 8 in act 11 in	$5.40	$4.00
R20645— " 10 " 13 "	9.70	7.20
R20647— " 12 " 15 "	16.10	12.00
R20624—Baker, 6½ in	$6.00	$4.80
R20631—Bowl, 30's	5.00	4.00
R20632—Salad, 7 in act 8½ in	6.00	4.80
R20660—Fruit, 4 in act 5½ in	1.50	1.20
R20665—Oatmeal, 6 in act 6½ in	3.20	2.50
R20676—Creamer, 30's	$9.60	$7.20
R20677—Cov'd sugar, 30's	18.60	13.80
R20678—Cov'd butter, with drainer	$21.00	$15.48
R20680—Cov'd dish, 9 in act 11 in	27.10	19.80
R20683—Casserole, round, act 8½ in	30.30	22.20
R20684—Sauce boat, attached stand [illegible]	20.90	17.40
R20686—Pickle dish, 8½x5½	9.25	4.80

Each pottery shipment order MUST TOTAL at least $25.00

6 MONTHS' TIME TO PAY—

5-Tube Radio Set with Genuine "Baldwin" Loud Speaker



RADIO has become a year 'round proposition—keep a set on demonstration and you are certain to make some profitable sales this Summer! Remember these three big developments keep your trade interested in radio all the time—in Summer as well as Winter

1— 700 broadcasting stations—entertainment of all kinds within the reach of all set owners

2— Super-power broadcasting stations carry the best programs hundreds of miles.

3— Chain broadcasting brings the New York programs through a score of the most important stations throughout the East and Middle West

OUR FREE SAMPLE OFFER

Order one sample "NA" 5-tube Radio Set with "Baldwin" Speaker (No. 3H14101). Your order will be recorded on our ledger as DUE SET FEBRUARY 1, 1928. If by that date you have purchased 3 additional "NA" 5-tube Radio Sets with "Baldwin" Speaker, and paid for them according to our regular terms, we will send you a credit memo covering the price of the original sample.

Specifications

The "NA" 5-tube Radio Set as designed by Carl Pfanstiehl, foremost radio engineer and [illegible] represents a new conception in the Pfanstiehl factory. The 2-dial tuning [illegible] and the [illegible] broadcasts [illegible] programs broadcast from the more powerful stations [illegible] In combination with the "Baldwin" Loud [illegible] reproduction [illegible] Wave length [illegible] Console for [illegible]

3H14101— Set and Speaker **$36.00**

(Suggested retail price $60.00)

Suggested Battery Equipment for above set:

3H1520—5 only Cunningham Tubes	Each	$1.22
3H451—1 only Storage "A" Battery	Each	8.95
3H7480—1 only "B" Eliminator	Each	2.65
3H9241—1 only "C" Battery		.42
3H7092—1 " Aerial Outfit	"	2.10
3H9253—1 " Hydrometer	"	.25
3H8308—1 only Trickle Charger	"	4.50

Suggested Light Socket Equipment for above set:

3H1520—5 only Cunningham Tubes	Each	$1.22
3H451—1 only Storage "A" Battery	Each	8.95
3H8627—1 only "B" Eliminator	Each	13.50
3H8212—1 only Automatic Switch	Each	3.00
3H9241—1 only "C" Battery		.42
3H8308—1 only Trickle Charger	"	4.50
3H7092—1 only Aerial Outfit	"	2.10

Built by Pfanstiehl

The Clarodyne Radio Plan

for the 1927-28 Season

IS READY FOR YOU NOW!

Besides offering Radio Sets of unquestioned merit, leaders in every way, and in advance of other lines in many details, Clarodyne dealers get the benefit of our special merchandising plan. You can show the newest sets as soon as they are announced, WITHOUT INVESTMENT BEFORE YOU SELL THEM!

6 MONTHS' TIME TO PAY

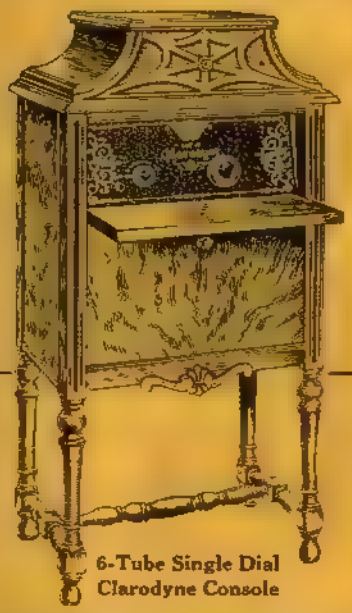
A Quality Line—Priced RIGHT

The dealers' profits on Clarodyne radio sets are substantially better than on most radio lines. As Clarodyne receivers are sold only through authorized stores who have the exclusive distribution in their territory, it is easy to maintain the fair list prices.

COMPLETE DETAILS of our proposition for the 1927-28 season will be sent at your request. It takes but a few seconds to tear off the coupon [illegible] your name and address, and mail it—and it puts you in line for INCREASED PROFITS!

Built by Pfanstiehl

The illustration above shows the careful design, the painstaking workmanship and the many features of the chassis used in the new 1927-28 line of Clarodyne Radio Sets. It's the inside of the set that [illegible] the results and comparison with other makes is convincing proof of Clarodyne quality



6-Tube Single Dial Clarodyne Console

Everything complete in one cabinet. New design loud speaker is built into the top and the lower compartments are large enough to accommodate all power units. Tunes with a single dial and the newly perfected amplification system reproduces the program with life-like REALISM!

Retail List Price **$160.00**

Get this Coupon in the Mails TODAY!

BUTLER BROTHERS,
495-497 Broadway,
New York

Date..... 1927

(Attention Mr. Lundie)

Gentlemen:

I would like to know more about your Clarodyne Radio proposition. If my territory is open, please send me complete information about the plan that gives me the exclusive distribution for the 1927-28 season

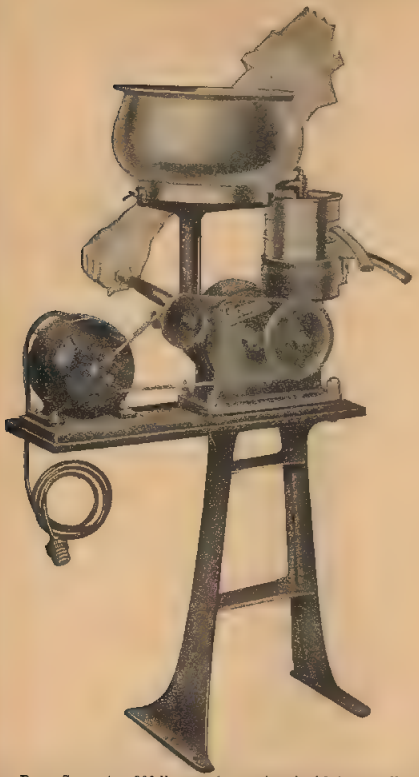
Name.....

Address.....

City..... State.....

Kind of Store.....

DOMO SEPARATORS



Domo Separator, 300 lb. capacity, equipped with intermediate plate, pulleys, belt, etc., to be operated with Motor. The Motor is ¼ horse power, 110 volts, 60 cycles, 1725 revolutions per minute, alternating current. Equipped with attachment plug for lamp socket.

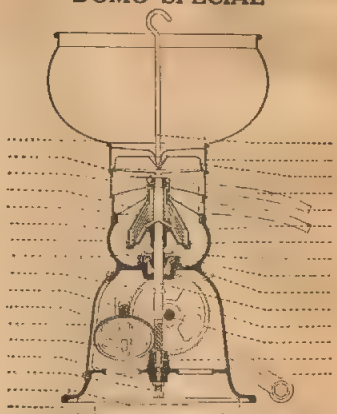
This motor is absolutely guaranteed if operated according to directions accompanying the separator.

The crank for hand power is left on and remains stationary when operated by power motor but by slipping off the belt the separator can be operated by hand, for trial starts and cleaning. Hand cranking the separator as the current is turned on relieves the motor of starting the dead load.

To compete with catalog houses, separator should retail for about $85.00 plus freight.

No. H12AES—Complete with motor and driving gear, and stand, shipping w't 18 lbs.....each **$133.30**

DOMO SPECIAL



Substantial, long wearing. Made in Domo factory to afford one cow keepers a low priced mechanical skimmer to supply strictly fresh cream and fresh skim milk for consumption at its best.

No. H1L—Capacity 175 lbs., approximate 85 qts. hourly milk capacity, shipping w't 47 lbs., each $38.30

IMPROVED DOMO CREAM SEPARATORS

AN UNEXCELLED SKIMMER, PERFECTLY CLEANABLE, POPULAR PRICED

No. HAX

The small "AX" size, 10x13 in. base and 16 in. tall—for Domestic use only—not more than two cows, has an open solid one-piece bowl convenient to operate and as readily cleaned as a milk bottle. The "AX" size will get more cream than is possible by setting the milk skimming a single cow's milk, 8 to 12 quarts in 10 to 15 minutes. The "AX" size is usually sold without stand, but the solid stand for No. 1 also mounts the "AX".

No. 2.

The Nos. H10, H11, H12 and H12C are equipped with the most efficient disced bowl, described below. They may be mounted on a table or bench to operate successfully, but must stand solid to skim perfectly and not wiggle or vibrate in operation. Any vibration hinders skimming the same as does shaking or stirring milk on which cream is rising.

Nos. H10 and H12 Without Stand

No. H13 Domo, 25 in. high and H14 Domo, 28 in. high are intended for 8 to 18 cows. These sizes should always be mounted on a rigid stand to avoid jarring. Properly mounted, the Domo always runs smoothly and noiselessly.

DOMO'S loose, overhung, self balancing, small, all pressed steel bowl, with gears running in a constant oil bath and with bronze brushed bearings insures the smoothest, easiest running.

DOMO'S bowl is most simple and compact as made of fewest parts possible to cleanest skimming, is quickly and completely taken apart to clean as perfectly as a china plate and as readily re-assembled, features of the utmost importance in its daily use.

DOMO'S unexcelled skimming which is of first importance, combined with its superior construction, accounts for its most satisfactory service and the success it enjoys.

DOMO'S bowl discs are mixable, but best skimming results from keeping the discs in the same order after it is put into service. It will also skim cool milk, which however, is discouraged as a wasteful practice.

Kept in condition and handled according to DIRECTIONS, DOMO pays for itself in a short time in the extra cream it takes out of the milk, skimming so perfectly that less than 2-100ths of 1% of fat remains in the skimmed milk, an amount imperceptible except by Babcock test.

No. H12A.

DOMO is most handy in consequence of its compactness and simplicity, yet it has the capacity of larger, heavier separators, and excepting the small "AX" and "BX" sizes, has oil bathed gears as illustrated Fig 1, and with its small, light, highly efficient, loose overhung self-balancing bowl—Fig. 2—and bronze bushed bearings is easiest running.

No. HAX—Domo—Capacity 90 lbs. or 9 gals. per hour, w't boxed 35 lbs., without stand, each $33.35

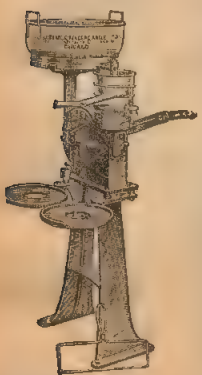
No. H10—Domo—Capacity 150 lbs. or 18 gals. per hour, w't boxed 50 lbs., without stand, each $52.75

No. H12—Domo—Capacity 300 lbs. or 30 gals. per hour, w't boxed 70 lbs., without stand, each $63 90

No. H12A—Domo—Capacity 300 lbs. or 30 gals. per hour, supply tank on bracket like model H13, w't boxed 75 lbs., without stand ..... each $72.20

No. H13—Domo—Capacity 450 lbs. or 45 gals. per hour, w't boxed 112 lbs., without stand, with tank bracket ..... each $ 97.20

No. H13S—Domo—Boxed with loose stand, w't 167 lbs. ..... each 106.10



No. H13 With Stand.

EXTRA STANDS

No. H1—For Nos. HAX, H10 and H11 Domos, w't each 45 lbs., loose, extra ..... each $8.35

No. H2—For Nos. H12 and H12A Domos, w't each 50 lbs., loose, extra ..... each 8.35

For list of separate parts and details of operation, see DOMO DIRECTIONS with every separator.

No. H3—For H13 Domo, w't 55 lbs., loose, extra ..... each $8.90

ASK FOR DOMO PRINTED MATTER FOR DISTRIBUTION

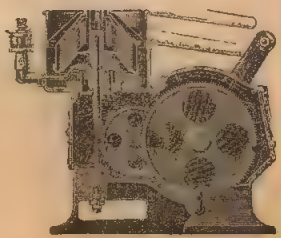
For Domo Repairs see Pages 1040 and 1041.

IMPORTANT

Every DOMO, when carefully set up so it runs smooth will skim perfectly if operated according to DIRECTIONS, kept in nice running condition and the bowl kept bright and sweet.

See description of DOMO'S details in DIRECTIONS packed with every separator.

Always URGE the purchase of a separator somewhat larger than is needed, as a larger size skims small lots of milk equally clean or when required, the milk of more cows, or the increased quantity of milk when cows are fresh.



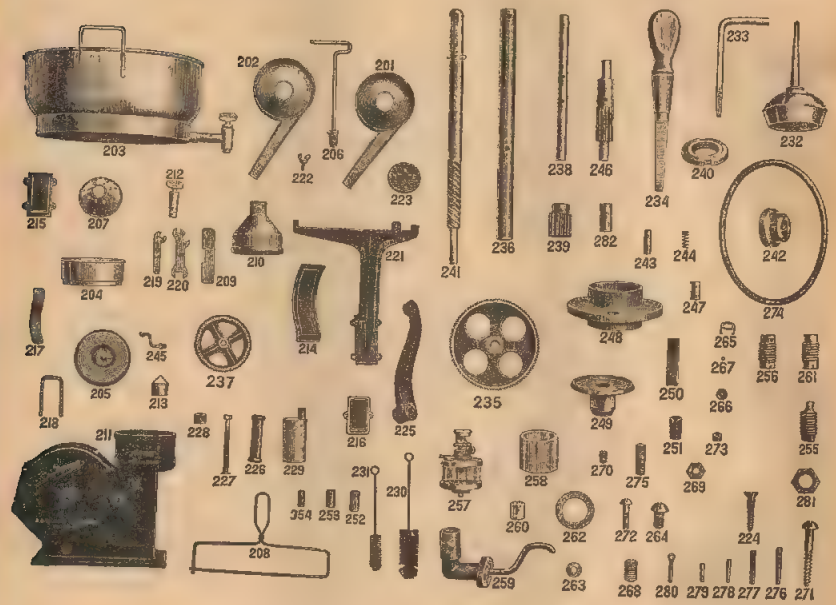
No. H1.

ILLUSTRATIONS OF REPAIRS FOR DOMO SEPARATORS

Nos. 10, 11, 12, 13, 14, 23, 24, 25, AX and BX.

In ordering always specify the number and name of the part and the size of the separator.

Thus: 1 — No. 274 Ring for No. 12 DOMO



FOR LOW MODEL EXCLUSIVELY

REPAIRS FOR DOMO CREAM SEPARATORS

Revised Price List Effective June 1, 1925.

Old Part No. For Domo Nos.	AX-BX	10-11	12C-12A	13-23	14-24
D201 Skim Milk Spout Pan.	Nos.	D1912	D628	D816	D924	D1113
	Each,	$2.80	3.20	3.40	3.60	4.00
D202 Cream Spout Pan	Nos.	D1910	D618	D812	D920	D1109
	Each,	$2.80	3.20	3.40	3.60	4.00
D203 Milk Tank	Nos.	D2292	D2245	D806-12C D2261-12	D899	D1102
	Each,	$8.00	11.20	14.30	20.00	24.00
D204 Float Pan	Nos.	DAX1907 DBX2202	D625-10 D610-11	D804-12 D2240-12C	D911	D1105
	Each,	$2.80	3.20	3.40	3.60	4.00
D205 Float	Nos.	D614	D614	D808	D915	D915
	Each,	$1.44	1.44	1.60	2.00	2.00
D206 Tank or Faucet Plug	Nos.	D2180	D606	D606-12 D2150-12C	D910	D910
	Each,	$0.96	1.40	1.60	1.60	1.60
D207 Bowl Disc	Nos.		D644	D644	D944	D1130
	Each,	$	.40	.40	.60	.72
DE Top Disc.	Nos.		D641	D641	D941	D1127
	Each,	$	1.44	1.44	2.20	2.40
DC Bottom Disc.	Nos.		D10-720 D11-647	D12-826 D12C-794	D946	D1132
	Each,	$	1.44	1.44	2.20	2.40
	Each,	$	2.10	2.20	2.40	3.20
D208 Disc Washing Holder	Nos.		D729	D729	D1018	D1018
	Each,	$	.64	.64	.72	.72
D209 Bowl Nut Key	Nos.		D725	D725	D1016	D1170
	Each,	$	.40	.40	.48	.48
D210 Bowl Complete—Price on Application.						
D214 Top Cover Gear Case	Nos.		D696	D861	D996	D1166
	Each,	$	.60	.80	1.00	1.05
D221 Milk Tank Bracket	Nos.			D892	D999	D1163
	Each,	$		3.20	4.40	4.80
D223 Bowl Stud Plate	Nos.		D768	D768	D2170	D2170
	Each,	$	.48	.48	.48	.48
D225 Crank	Nos.	D2109	D918	D918 D1519-23	D965-13 D1519-24	D1149-14
	Each,	$0.80	1.60	1.60	3.20	3.20
D226 Crank Wood	Nos.	D671	D773	D773 D1270-23	D969-13 D1270-24	D969-14
	Each,	$0.20	.24	.24	.32	.32
D227 Crank Shaft with Nut.	Nos.	D767	D770	D770	D966	D966
	Each,	$0.88	1.24	1.24	1.50	1.50
D233 Milk Screw Wrench	Nos.	D2169	D728	D728	D1017	D1171
	Each,	$0.24	.24	.24	.28	.28
D235 Crank Wheel	Nos.	D1928AX D661BX	D661	D836 D1506-23	D959-13	D1143-14 D1606-24
	Each,	$2.20	2.20	2.80	4.80	6.00
D236 Crank Shaft	Nos.	D1927	D660	D835 D1518-23	D957-13	D1134-14 D1518-24
	Each,	$1.36	1.52	1.60	2.40	2.40
D237 Worm Wheel	Nos.	D1957AX D2110BX	D674	D843	D971	D1152
	Each,	$4.40	5.20	6.00	6.40	8.00
D238 Worm Wheel Shaft	Nos.	D1936	....	D972	D1853	D1162
	Each,	$1.00	....	1.20	1.20	1.28
D239 Pinion	Nos.	D2108	....	D841	D974	D1156
	Each,	$1.04	....	1.40	1.60	1.60

Old Part No. For Domo Nos.	AX-BX	10-11	12C-12A	13-23	14-24
D240 Bowl Nut	Nos.		D639	D639	D939	D1125
	Each,	$	.96	.96	1.20	1.28
D241 Bowl Spindle	Nos.	D1971	D678	D846	D975	D1158
	Each,	$3.40	3.40	3.40	4.80	5.20
D242 Crank Ratchet Washer	Nos.	D1929	D663	D663 D1145-13	D1145-14	
	Each,	$0.40	.60	.60	.80	.80
D243 Pin for D242	Nos.	D1930	D664	D664 D1146-13	D1146-14	
	Each,	$0.10	.12	.12	.12	.12
D244 Spring for D242	Nos.	D1931	D665	D665	D1147	D1147
	Each,	$0.08	.08	.08	.08	.08
D246 Worm Wheel Shaft with Pinion	Nos.		D673	...	...	...
	Each,	$	2.00	...	...	...
D248 Neck Bearing Washer	Nos.	D1812	D1812	D851	D989	D989
	Each,	$0.60	.60	.80	1.00	1.00
D249 Neck Bearing Bushing	Nos.	D776	D776	D876	D1042	D1161
	Each,	$1.20	1.20	2.00	2.20	2.20
D250 Neck Bearing Spring	Nos.	D1820	D687	D853	D990	D990
	Each,	$0.12	.12	.12	.12	.12
D251 Bottom Bearing Sleeve	Nos.	D658	D658	D833	D955	D1141
	Each,	$0.88	.88	1.20	1.40	1.40
D252 Long Crank Shaft Bushing	No.		...	D830	D952-13 D1549-23	D1138-14 D1603-24
	Each,	$	...	1.00	1.20	1.44
D253 Short Crank Shaft Bushing	No.		...	D831	D953-13 D1550-23	D1139-14 D1604-24
	Each,	$	...	.76	.96	1.44
D254 Worm Shaft Bushing	No.		D656	D893	D893	D1140
	Each,	$	.40	.56	.56	.64
D255 Lower Spindle Solid Bearing and Nut.	Nos.	D682	D682	D1068	...	...
	Each,	$0.48	.48	.60	...	...
D257 Auto Oiler	Nos.		D879	D879	D1008	D1008
	Each,	$	2.40	2.40	3.00	3.00
D259 Auto Oiler Tube	Nos.		D685	D859	D954	D1151
	Each,	$	1.00	1.00	2.00	2.00
D261 Ball Bearings Lower Spindle Bearing	Nos.		...	...	D1167	D1167
	Each,	$	...	...	3.20	3.20
D266 Ball Covers for D261.	Nos.		...	...	D982	D982
	Each,	$	...	...	.80	.80
D267 Balls for D261	Nos.		...	...	D985	D985
	Set of 6,	$	...	...	.25	.25
D268 Set Screw and Nut Worm Shaft	Nos.	D676	D676	D844	D844	D1154
	Each,	$0.20	.20	.32	.32	.32
D273 Bowl Skim Screw	Nos.	D1789	D637	D637	D938	D1124
	Each,	$0.16	.16	.16	.24	.28
D274 Bowl Rubbers	Nos.		D640	D640	D940	D1126
	Each,	$	.20	.20	.20	.24

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WOOD TABLE LAMP

Each

No. 271W—Base only, solid mahogany post, with hand carvings, dull rubbed satin finish, antique toning, amber glass decoration on top; two pull chain sockets. Complete with 6 ft of silk covered cord and separable attachment plug. Height 23 ins $35 40

No. 3106-14—Shade only, round, taupe georgette top with orange silk drum lining, old rose interlining, ornamented with orchid ruching over gold braid on top and bottom and spray of silk flowers; diam 14 ins 30 75

No. 271W-3106-14—Complete including base and shade 66 30
One in carton; wt each 15 lbs.

WOOD TABLE LAMP

Each

No. 264—Base only, hardwood post, gold striped polychrome antique finish with black trimmings. Two pull chain sockets. Complete with 6 ft of cord and separable attachment plug. Height 24 ins $13 35

No. 3219—Shade only, oval, shirred taupe georgette top, orange sateen lining, old rose interling, polychrome ruching and gold braid decorations; 5½ in gold silk fringe; length 19 ins 22 35

No. 264-3218—Complete including base and shade 35 40
One in carton; wt each 15 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

Note—Prices do not include incandescent lamps.

Metal base; gold Polychrome finish. Height 24 inches. One piece art glass shade, hand decorated with autumn scene in warm colors. Diameter 18 inches.

Each
No. G271GP—Base only $12 15
No. 18GSW—Shade only 18 90

Complete.

No.	G271GP-18GSW
1 only, Each	$31 05
2 only, Each	28 65
3 or more, Each	25 95

Packed in cartons; wt each 14 lbs.

With One Piece Glass Shades.

Metal base; bronze Polychrome finish. Height 24 inches. One piece art glass shade hand decorated with spring scene in cool colors. Diameter 18 inches.

Each
No. G-271BP—Base only $12 15
No. 18GSC—Shade only 18 90

Complete.

No.	G271BP-18GSC
1 only, Each	$31 05
2 only, Each	28 65
3 or more, Each	25 95

Packed in cartons; wt each 14 lbs.

With One Piece Glass Shades.

Metal base; black and gold finish. Height 24 inches. One piece art glass shade; hand decorated with flowers in warm colors. Diameter 18 inches.

Each
No. G271BBG—Base only $12 15
No. 18GFW—Shade only 18 90

Complete.

No.	G271BBG-18GFW
1 only, Each	$31 05
2 only, Each	28 65
3 or more, Each	25 95

Packed in cartons; wt each 14 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

Note—Prices do not include incandescent lamps.

With One Piece Glass Shades.

Metal base; pompeian bronze and green finish. Height 24 inches. One piece art glass shade; hand decorated with flowers in cool colors. Diameter 18 inches.

	Each
No. G271PBG—Base only	$12 15
No. 18GFC—Shade only	18 90

Complete.

No.	G271PBG-18GFC
1 only, Each	$31 05
2 only, Each	28 65
3 or more, Each	25 95

Packed in cartons; wt each 14 lbs.

Metal base, black and gold finish. Height 24 inches. One piece art glass shade, hand decorated with scene in warm colors. Diameter 16 inches.

	Each
No. G342BG—Base only	$12 15
No. 16GSW—Shade only	14 85

Complete.

No.	G342BG-16GSW
1 only, Each	$27 00
2 only, Each	24 90
3 or more, Each	22 65

Packed in cartons; wt each 16 lbs.

Metal base, black and gold finish. Height 24 inches. One piece art glass shade; hand decorated country scene in cool colors. Diameter 16 inches.

	Each
No. G342BG—Base only	$12 15
No. 16GSC—Shade only	14 85

Complete.

No.	G342BG-16GSC
1 only, Each	$27 00
2 only, Each	24 90
3 or more, Each	22 65

Packed in cartons; wt each 14 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

NOTE—Prices do not include incandescent lamps.

Metal base; black and gold finish. Height 24 inches. One piece art glass shade; hand decorated in sunset scene in warm colors. Diameter 14 inches.

	Each
No. B294BG—Base only	$12 15
No. 14GSW—Shade only	10 80

Complete.

No.	B294BG-14GSW
1 only, Each	$22 95
2 only, Each	21 15
3 or more, Each	19 20

Packed in cartons; wt each 16 lbs

METAL TABLE LAMP

Cast metal base, gold polychrome finish with floral decorations. Two chain pull sockets. Complete with 6 feet of cord and separable attachment plug. Height 21½ inches.

One piece art glass shade, hand decorated scenes; diam 14 inches.

	Each
No. 985—Base Only	$12 60
No. 14GSC—Shade Only—With cool colors	10 80
No. 14GSW—Shade Only—With warm colors	10 80

Complete With Cool Colored Shade.

No.	985-14GSC
1 only, Each	$23 40
2 only, Each	21 45
3 only, Each	20 25

Complete With Warm Colored Shade.

No.	985-14GSW
1 only, Each	$23 40
2 only, Each	21 45
3 only, Each	20 25

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

Note—Prices do not include incandescent lamps.

Metal Shades with Glass Panels.

Two lights 6; rock glass panels in shade finished in colors that harmonize with base. Height 21 inches; diameter shade 18 inches. Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug.

Each

No. 313-JG—Jap gold finish.....**$31 50**

One in carton; wt each 19 lbs.

Two lights; 6 amber glass panels in shade, hand decorated. Height 24 inches, diameter shade 20 inches. Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug.

Each

No. M271GP-273GP—Gold Polychrome finish, complete **$37 50**

One in carton; wt each 16 lbs.

Two lights. Metal base, amber art glass panels. Height 22½ inches; diameter shade 17 inches. Complete with two chain pull sockets, 6 feet of lamp cord and attachment plug.

Each

No. 962—Bronze finish....**$24 75**

One in carton; wt each 17 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

Note—Prices do not include incandescent lamps.

With One Piece Glass Shades.

Two lights; 6 rock glass panels in shade finished in colors that harmonize with base. Height 24 inches; diameter shade 16 inches. Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug.

Each

No. M342BG-342DEC-BG—Black and gold with hand decorated glass panels, complete..**$25 80**

No. M342BG-342BG—Black and gold with plain glass panels **24 90**

No. M342PBG-342PBG—Pompeian bronze and gold finish with amber glass panels, complete..**24 90**

One in carton; wt each 16 lbs.

Metal base, light brown tone and gold finish; amber art glass panels. Height 22 inches; diameter shade 17 inches. Complete with key sockets, 6 feet of lamp cord and attachment plug.

Each

No. 314-1BG—One light...**$15 75**

No. 314-2BG—Two lights. .**21 00**

One in carton; wt each 12 lbs.

One light; 4 amber art glass panels in shade, finished with a fresco effect. Ornamental cast metal base; Gold bronze finish; height 21 inches; shade 12 inches square. Complete with 1 key socket 6 feet lamp cord and attachment plug.

No.	100P
1 to 5, Each	$13 35
6 or more, Each	12 15

One in carton; wt each 14 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

DESK, Metal.

Two lights; green, white lined shades; cast metal base and columns. Especially designed for a double desk. Height over all 15 inches; shades 8¾x4½ inches; base 7 inches square. Complete with two chain pull sockets, 6 feet of mercerized lamp cord and separate attachment plug.

Pompeian Bronze Finish

No.	79PB
Lots of 1, Each	27 00
Lots of 2, Each	24 75
Lots of 3, Each	22 50
	$15 00

One in carton; wt each 12 lbs.

One light; green, white lined shade; cast metal base and column.

Height over all 17 inches; shade 8¾x4½ inches; base 7 inches square. Complete with chain pull socket, 6 feet of silk covered lamp cord and attachment plug.

Statuary Bronze Finish.

No.	75SB
1 to 2, Each	18 00
3 to 5, Each	16 50
6 or more, Each	15 00

One in carton; wt each 9 lbs. $10 00

GREEN GLASS SHADES

For Nos. 76, 79 and 75B Electric Portable Lamps.

White lined, green glass shade.

	Each
No. 750—Size 8¾x4½ ins	$6 00

One in carton; wt each 1¼ lbs.

PEP-O-LITE

One light, 9x5 inch green and opalescent glass shade; cast metal straight rigid column and felt padded base which contains removable glass ash tray and match box holder; standard base pull chain socket. Complete with 6½ feet of silk covered cord and separable attachment plug. Height over all 12¾ inches.

	1 to 3 Each	4 to 11 Each	12 or more Each
No. 400—Roman bronze finish	$18 00	16 50	15 00

One in carton; wt each 7¼ lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

Metal.

One light; green, white lined shade; cast metal base and column. Height over all 6 inches; shade 8¾x4½ inches; base 7 inches square. Complete with chain pull socket, 6 feet of mercerized lamp cord and separable attachment plug.

	1 to 2, 3 to 5, Each	6 or more Each
No. 76PB—Pompeian bronze finish	16 20 14 85	13 50
	$9 00	

One in carton; wt each 7 lbs.

DESKFLEX

One light, 7 inch shade; cast metal felt covered base, flexible metal arm. Height to where metal arm begins 3 inches; length metal arm 12 inches. Complete with turn knob socket, 6½ feet of cotton covered cord and separable attachment plug.

No. 574PB has green, white lined glass shades. Nos. 74RG and 74PB have metal shades, aluminum finish inside, outside finished to match base and stand.

(No. 574PB)

	1 to 2, 3 to 5, Each	6 or more, Each	
No. 574PB—Pompeian bronze and gold finish	8 55	7 86	7 14	*$4 75*
No. 74BB—Brushed brass and black finish	6 30	5 79	5 25	*3 50*
No. 74PB—Pompeian bronze finish	6 30	5 79	5 25	*3 50*

One in carton; wt each 4½ lbs.

FLEX-O-LITE

One light, 6½ inch metal shade; flexible metal arm; cast metal felt padded base with removable glass ash tray and match box holder; standard base key socket. Complete with 5½ feet of silk covered cord and separable attachment plug. Height over all with arm straightened 21½ inches; length flexible arm 11 inches.

	1 to 3 Each	4 to 11 Each	12 or more Each
No. 300—Roman bronze finish	$6 75	6 00	5 55

One in carton; wt each 4½ lbs.

EVERSHARP

A selected showing of the always-in-demand Eversharp, in the new Green Jade and Polished Rubber models. The Eversharp is backed by national advertising and is an exceptionally good seller.

Oversize with nickel trim and pocket clip.
K862—Red Rubber Barrel. Each..... 1.20
K863—Green Jade Barrel. Each..... 1.80

Oversize with gold-filled bands and pocket clip.
K875—Green Jade Barrel. Each..... 4.20
K876—Ladies' model with ring on cap. Each..... 4.20

Green Jade with gold-filled cap, clip and bands.
K880—Men's Model. Each..... 3.00
K879—Ladies' model. Each..... 3.00

Display The New Eversharp Pencil

Per asst.
K864—TWELVE OF THE POPULAR K862 EVERSHARP PENCILS—mounted on an attractive car to stand on your counter 14.40

K850—TWELVE EVERSHARP PENCILS—Four each, Red, Blue and Black enameled. Six long ones for men and six short ones with rings for ladies. Attractive card 7.20

K881—TWELVE OCTAGON SHAPED EVERSHARP PENCILS—Six each, Red and Blue enameled on an attractive card 7.20

Oversize, gold filled bands and cap and pocket clip. Grecian Border.
K871—Polished Black Rubber Barrel. Each... 3.60
K872—Polished Red Rubber Barrel. Each... 3.60

Ladies' Eversharp Pencil with gold-filled trim, cap and ring.
K873—Black Rubber Barrel. Each... 3.60
K874—Red Rubber Barrel. Each... 3.60

Ladies' Eversharp with gold-filled trim and ring on cap.
K867—Polished Black Rubber Barrel. Each 2.40
K868—Polished Red Rubber Barrel. Each 2.40

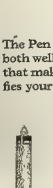
Pencil with gold-filled trim and Grecian Border design.
K865—Polished Black Rubber Barrel. Each... 2.40
K866—Polished Red Rubber Barrel. Each... 2.40

WAHL PEN

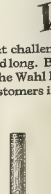
The Pen that challenges the world on its ability to write and to write both well and long. Beauty, fine workmanship and the finest of materials that make the Wahl Pen a perfect tool for writing. Just as this pen satisfies your customers it creates repeat business and steady profits for you.

Gold-filled trim and ring. Solid Gold No. 4 Nib. Grecian design. Each 6.00
Polished Black Rubber
K839—Fine
K840—Med.
K841—Stub
Polished Red Rubber
K842—Fine
K843—Med
K844—Stub

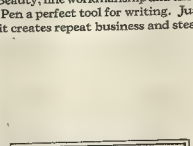
Gold-filled trim and roller clip. Solid Gold No. 2 Nib. Each 3.60
Polished Black Rubber
K800—Fine
K801—Med.
K802—Stub
Polished Red Rubber
K803—Fine
K804—Med.
K805—Stub



Ladies' Pen of Green Jade with gold-filled trim and ring on cap.
Solid Gold No. 2 Nib 4.20
K836—Fine
K837—Med.
K838—Stub
Solid Gold No. 4 Nib Each 6.00
K845—Fine
K846—Med
K847—Stub



Green Jade with gold-filled trim and roller clip.
Solid Gold No. 2 Nib Each 4.20
K806—Fine
K807—Med.
K808—Stub
Solid Gold No. 4 Nib Each 6.00
K815—Fine
K816—Med.
K817—Stub
Solid Gold No. 6 Nib Each 8.40
K824—Fine
K825—Med.
K826—Stub



TWELVE FAST SELLING WAHL PENS—

Grecian Border design. Gold-filled trim. Solid gold nibs. Good writers. Money makers. Ten Pens to retail at 3.00 each, two Pens to retail at 5.00 each. Complete with tray and display card.

Per asst.
K828—Polished Black Rubber... 48.00
K829—Polished Red Rubber 48.00

Pen with gold-filled trim and roller clip. Grecian Border design. Solid Gold No. 4 Nib. Each 5.40
Polished Black Rubber Barrel
K812—Fine
K813—Medium
K835—Stub
Polished Red Rubber Barrel
K821—Fine
K822—Medium
K823—Stub

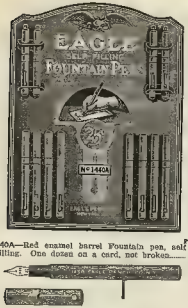
Ladies' Pen with gold filled trim and ring on cap. Solid Gold No. 2 Nib. Each 3.60
Polished Black Rubber Barrel
K830—Fine
K831—Medium
K832—Stub
Polished Red Rubber Barrel
K833—Fine
K834—Medium
K835—Stub

Pen with gold-filled trim and ring. Solid Gold No. 4 Nib. Each 8.00
Polished Black Rubber Barrel
K809—Fine
K810—Medium
K811—Stub
Polished Red Rubber Barrel
K812—Fine
K813—Medium
K814—Stub

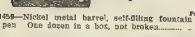
Feature These Handsome Wahl Fountain Pens

Fountain Pens

Eagle Metal Fountain Pens



CE1440A—Red enamel barrel Fountain pen, self-filling. One dozen on a card, not broken..... Per doz. 3.80



CE1459—Nickel metal barrel, self-filling fountain pen One dozen in a box, not broken..... Per doz. 3.60

CE1438A—Self-filling fountain pen. Jade green fountain pen One dozen on a card, not broken ..... Per doz. 3.80

CE1436—Oversize jade green enamel self-filling fountain pen ½ dozen on a card, not broken 7.80

Combination Fountain Pen and Pencil

CE1442—METAL BARREL SELF-FILLING COMBINATION FOUNTAIN PEN AND PENCIL— One dozen on attractive display card, not broken ..... Per doz. 3.80

Colored Celluloid Fountain Pens

CF193—SELF-FILLING FOUNTAIN PENS—Colored celluloid barrel, fancy tip, gold-filled point and clip. Length, 5¼ inches. Packed one dozen on a card, not broken..... Per doz. 8.00

KE28F—Metal barrel fountain pen. Self-filling pen, eight gentlemen's size with clip, and four ladies' size with ring, not broken..... Per doz. 15.50

KE20—Metal barrel, self-filling fountain pen Nickel chased barrel and cap, lever attachment, nickel plated clip, 14 kt. gold pen, not broken ..... Per doz. 15.50

KE21—Metal barrel self-filling fountain pen Short vest pocket size with ring, nickel chased barrel and cap, 14 kt. gold pen, not broken..... Per doz. 15.50

University Fountain Pens

K179—ASSORTED COLORED TIPPED FOUNTAIN PENS—Short and long, with screw cap and clip. One dozen mounted on display card, not broken..... Per doz. 16.00

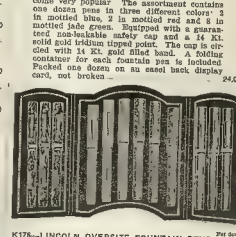
K180—ASSORTED COLORED TIPPED FOUNTAIN PENS—With screw cap and ring, short size One dozen mounted on an attractive display card, not broken..... Per doz. 16.00

K181—ASSORTED COLORED TIPPED FOUNTAIN PENS—With screw cap and clip, long size One dozen on attractive display card, not broken ..... Per doz. 16.00

K187—ASSORTMENT OF SELF-FILLING FOUNTAIN PENS—Six gentlemen's sizes with clips and 6 ladies' sizes with gold cap and ring. Especially suitable for students use. Non-leakable safety cap. Guaranteed 14k gold iridium tipped point. One dozen mounted on card, not broken ..... Per doz. 16.00

University Oversize Fountain Pens

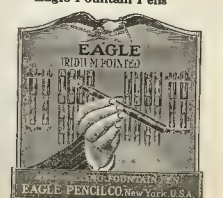
K176—OVER SIZE FOUNTAIN PEN ASSORTMENT—This style of fountain pen has become very popular The assortment contains one dozen pens in three different colors: 3 in mottled blue, 2 in mottled red and 8 in mottled jade green. Equipped with a guaranteed non-leakable safety cap and a 14 Kt. solid gold iridium tipped point. The cap is circled with 14 Kt. gold filled band. A folding container for each fountain pen is included Packed one dozen on an easel back display card, not broken ..... Per doz. 24.00



K175—LINCOLN OVERSIZE FOUNTAIN PENS—Assorted red, black, jade green and mottled pens made of lucite with gold-filled lever, and an i clip and iridium tipped pen. One dozen displayed on purple velvet pad, not broken ..... Per doz. 30.00

K178—NON-BREAKABLE SELF-FILLING FOUNTAIN PEN—14 kt. gold-filled mounting. Eight gentlemen's sizes with center band, and 4 ladies' sizes with cap band and ring. One dozen on a card, not broken ..... Per doz. 19.00

Eagle Fountain Pens



KE66F—SELF-FILLING FOUNTAIN PEN—Jade green, 14 kt. gold iridium tipped Eight men's sizes with clip, and four ladies' sizes with ring One dozen on a card, not broken..... Per doz. 30.00

Ingersoll Fountain Pens

Handsome, long service pens with neatly engraved metal or colored composition barrels. Each style of pen has a 14K solid gold point. Its stem winding filler enables the Ingersoll to hold twice as much ink as the ordinary fountain pen. A reasonably priced pen for every use, a style to suit every customer. There are quick profits for you in INGERSOLL PENS.

Metal Barrel Pens

	Per doz.
K193 –Men s size with Clip	16.00
K194—Ladies' size with Ring	16.00
K195 – Junior size with Clip	16.00
K196—Assortment, eight long and four short	16.00

Regular Size Colored Composition Barrels

Ladies' Size With Ring

	Per doz.
K198—RED	21.60
K197—BLACK—Gold filled cap band	21.60

Men's Style With Clip

	Per doz.
K200—RED	21.60
K199—BLACK—Gold filled cap band	21.60

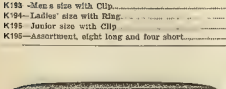
Oversize Colored Composition Barrels

Men's Oversize With Clip and Gold Filled Cap Band

Stem Winding Filler is Covered With a Fitted Screw Cap

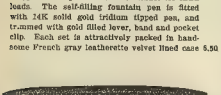
	Per doz.
K201—RED	28.80
K202—GREEN	28.80
K203—MAHOGANY	28.80

Lincoln Fountain Pen and Pencil Sets



Each

K604—TERRA-COTTA RED PROFESSIONAL MODEL WRITING SET—Fountain pen and pencil made of a non-breakable composition Mechanism of pencil stoutly made, being of the popular three action type, which propels, repels and expels the lead. This action practically eliminates all possibility of the lead becoming clogged at the point. Has a container for extra leads. The self-filling fountain pen is fitted with 14K solid gold iridium tipped pen, and trimmed with gold filled lever, band and pocket clip. Each set is attractively packed in handsome French gray leatherette velvet lined case 5.50



Each

K605—JADE GREEN PROFESSIONAL MODEL WRITING SET—This color is recognized as the most popular by public demand. Both writing instruments are composed of a non-breakable composition. The mechanism of the pencil, propels, repels and expels lead, also carries a supply of extra leads. The self-filling fountain pen is fitted with Size 3 14K solid gold iridium tipped pen, trimmed with gold filled band, lever and pocket clip. Each set is attractively packed in a handsome French gray velvet lined leatherette case 5.50

Per set.

K174—ASSORTMENT—Consisting of twelve fountain pens in assorted colors of the pastel shades, green, red, steel gray, blue, coral and amber The holders of these fountain pens are made of a non breakable composition, fitted with 14K solid gold iridium tipped pens having gold plated filling lever and pocket clip. The assortment is handsomely displayed on an attractive counter card 16.00

Each

K606—MAHOGANY PROFESSIONAL MODEL WRITING SET—The holders of these two writing instruments are attractively ground, which gives them a very beautiful appearance, being non-breakable throughout. The pencil is equipped with a non-clog feature, which propels, repels and expels lead, and also carries a supply of extra leads. The self-filling fountain pen is fitted with Size 3 14K solid gold iridium tipped pen extra large ink capacity, and trimmed with gold filled band lever and pocket clip Each set is attractively packed in handsome French gray velvet lined leatherette case 5.60

Each

K607—JADE GREEN LADIES' MODEL WRITING SET—Two very attractive writing instruments, especially useful for purse or hand bag. Both pen and pencil composed of the non-breakable composition. The mechanism of the pencil is of the non-clog type, which propels, repels and expels the lead, also having a ring on top for ribbon guard. Each pencil carries a supply of extra leads. The self-filling fountain pen fitted with Size 3 14K solid gold iridium tipped pen, trimmed with gold filled band, lever and ring for ribbon guard Each set is attractively packed in handsome French gray velvet lined leatherette case 5.50

Each

K608—MAHOGANY LADIES' MODEL WRITING SET—These two attractively ground writing instruments are especially designed for women's purses or handbags. Both pen and pencil composed of a non-breakable composition. The mechanism of the pencil is of the non-clog type, which propels, repels and expels lead and has a ring on top for ribbon guard Each pencil carries an extra supply of lead. The self-filling fountain pen is fitted with Size 2 14K solid gold iridium tipped pen, trimmed with gold filled band, lever and ring for ribbon guard Each set is attractively packed in hand some French gray velvet lined leatherette case 6.50

Combination Writing Sets

IN BEAUTIFUL GIFT BOXES

WAHL PEN

Fountain Pen and Pencil Sets. Gold-filled trim. Grecian design. Complete in handsome gift box.

Polished Black Rubber

Per set

C883—Wahl Pen K881, Solid Gold No. 2, Nib and Eversharp K865 ..... 6.00

K886—Wahl Pen K816, Solid Gold No. 4 Nib and Eversharp K865 ..... 8.40

Polished Red Rubber

K882 Wahl Pen K804, Solid Gold No. 2 Nib and Eversharp K866 ..... 6.00

K887—Wahl Pen K812, Solid Gold No. 4 Nib and Eversharp K866 ..... 8.40

Ladies' Fountain Pen and Pencil Sets of Green Jade with gold-filled trim and rings. Complete in handsome gift box.

Mottled Green Jade Composition

Per set

K894—Wahl Pen K837, Solid Gold No.2 Nib and Eversharp K870 ..... 7.20

Ladies' Fountain Pen and Pencil Sets. Gold-filled trim and rings on caps. Grecian design Complete in handsome gift box.

Polished Black Rubber

Per set

K880—Wahl Pen K831, Solid Gold No. 2 Nib and Eversharp K867 ..... 6.00

Polished Red Rubber

K831 Wahl Pen K834, Solid Gold No. 2 Nib and Eversharp K868 ..... 6.00

Ladies' Gold-Filled Fountain Pen and Pencil Sets

Console Design

Per set

K829—Ladies' regular size. Wahl pen with Solid Gold No. 2 Nib and Eversharp with cap rings 10.20

K890—Larger size with pocket clips instead of rings 10.20

Grecian Design

Per set

K894—Slightly larger than K893 with pocket clip 12.20

EVERSHARP

Fountain Pen and Pencil Sets Gold-filled trim. Grecian design. Complete in handsome gift box.

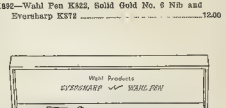
Polished Black Rubber

Per set

K881 Wahl Pen K819, Solid Gold No. 6 Nib and Eversharp K871 ..... 12.00

Polished Red Rubber

K892—Wahl Pen K822, Solid Gold No. 6 Nib and Eversharp K872 ..... 12.00



Fountain Pen and Pencil Sets. Green jade. Gold-filled trim and pocket clips.

Per set

K885—Wahl Pen K807, Solid Gold No. 2 Nib and regular size Eversharp K869 ..... 7.20

K888—Wahl Pen K816, Solid Gold No. 4 Nib and regular size Eversharp K883 ..... 9.00

K893—Wahl Pen K825, Solid Gold No. 6 Nib and oversize Eversharp K876 ..... 12.60

Red Top Eversharp Leads

Red Top Leads

Retail Price	Standard
15c	and
per tube	Oversize

Standard .046 Black in 7 grades. 18 sticks in a tube.

2B—Extra Soft	F Firm
B—Soft	H-Medium Hard
HB Medium Soft	2H—Hard
	4H—Very Hard

Per doz. Tubes 2.16

Five colors in Medium grades only. 12 sticks in a tube.

Red	Green
Blue	Purple copying (indelible)
Yellow	

Per doz. Tubes 2.16

Lead Stand (free) with this assortment, similar to one on the right.

Contents of Assortment

Leads All Standard .046 Retail Price 15c		Retail Price 10c
Tubes	Tubes	Boxes
12HB	6 Purple	3 Regular
12F	6 Red	2 L. J.
12B	6 Blue	3 B. M.
12 2B	6 Green	3 S. J.

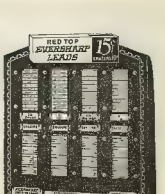
CW10—Per Assortment 14.40

Lead and Eraser Assortment

Lead stand at the right (free) with this assortment.

Black Leads All Standard .046 Retail Price 15c		Retail Price 10c
Tubes		Tubes
2B	12	6 Regular
B	12	6 L. J.
HB	12	6 B. M.
F	12	6 S. J.

CW11—Per Assortment 11.52



Lead Stand FREE

WAGON HARDWARE

CAST REACH PLATES

Round Pattern in Two Parts

No. of Plate	2¾	3¼	3½	4
Size of Reach	3¼"	3½"	3¾"	5"
Weight About	12 lbs. per pr.	13 lbs. per pr	20 lbs. per pr.	37 lbs. per pr.

FLANGED CAST REACH PLATES

Per lb
2¾", 3", 3¼", 3½," 3¾", and 4" ..... $ 0.00

CAST RUB IRONS

Per lb
No. 1-7" long, 2¾" wide ..... $ 0.00

CAST BRAKE SHOES

Per lb.

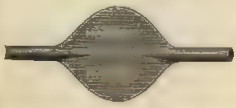
No 1-3¾" top, 3½" bottom..$ 0.00
No 4-2¾" top, 2⅝" bottom.. 0.00

REACH PINS

Each
No 3230C -⅝" $ 0.00
No. 3230D-¾" .00

SINGLETREE TRIMMINGS

STRAIGHT CENTER CLIPS



	List Per 100
1½"	$ 5.20
1⅝"	6.80
1⅞"	8.50
2¼"	13.30

STRAIGHT END CLIPS

	List Per 100
1⅜"	$ 3.20
1⅝"	3.90
1⅞"	5.00
2⅛"	6.50
2⅜"	8 20

Welded Center Clips

	List Per 100
7/16"	$ 5.50
½"	6.65
9/16"	8.30
⅝"	9.80
¾"	17.00

Welded End Clips and Hooks

	List Per 100
⅜" Hooks ⅝"	$ 7.50
7/16" Hooks ⅝"	9.00
½"—Hooks ⅝"	11.35
½"—Hooks ½"	15.00

Welded Center Clips with Rings

	List Per 100
½"—⅝" Ring	$11 50
⅝"—⅞" Ring	12.70
⅝"—1" Ring	14.50
¾"—⅞" Ring	23.10

MALLEABLE FERRULES WITH STEEL HOOKS

	List Per 100
1¼" Small End Ferrule—⅝" Hook	$ 7.10
1¼" Small End Ferrule—¾" Hook	7.60
1¼" Small End Ferrule—⅞" Hook	8.10
1½" Small End Ferrule—¾" Hook	9.10
1½" Small End Ferrule—⅞" Hook	10.70
1⅝" Small End Ferrule—⅞" Hook	12.20
1¾" Small End Ferrule—⅞" Hook	13.20

WAGON HARDWARE—Continued

Bent Singletree Straps

	Per 100
3/8" (Plow)	$ 5.00
7/16" (Wagon)	6.66
1/2" (Wagon)	7 15
5/8" (Wagon)	9.65

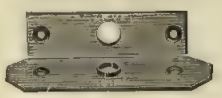
Small Eye Singletree Hooks

	Per 100
3/8"	$ 3.70
7/16"	4 60

WAGON BOX STRAP BOLTS

	Price per Set 8 Bolts		Price per Set 8 Bolts
10"x7/16"	$ 0.80	10"x5/8"	$ 1.00
10"x1/2"	.95	12"x5/8"	1.15
12"x1/2"	1.05	14"x5/8"	1.30
10"x9/16"	1.05	16"x5/8"	1.45
12"x9/16"	1.15	18"x5/8"	1.60
14"x9/16"	1.25	20"x5/8"	1.75

FLANGE BOLSTER PLATES



	Per Pair		
2"	$ 0.55	3 1/4"	0.75
2 1/2"	0.60	3 1/2"	0.80
2 3/4"	0.65	4"	1.00
3"	0.70		

Long Pattern

	Per Pair		Per Pair
2 3/4"	$ 0.95	3 1/4"	$ 1.05
3"	1.00	3 1/2"	1.10

SIDE BRACES

	Per 100
No. 3155-F 1/2" Length 14"	$18.00
No. 3155-B 1/2" Length 16"	19.50
No. 3155-C 5/8" Length 16"	23.00

NECK YOKE CENTER IRON COMPLETE

	List Per 100
7/8" Eyes, 3/4" Sinks, 3 1/4"x5/16" Rings	$25.00

End Irons, Malleable Ferrules and Steel Rings

	Per 100
1 1/4" Ferrule Small End—3/4" Ring	$ 7.40
1 3/4" Ferrule Small End—1" Ring	7.70
1 1/2" Ferrule Small End 1/8" Ring	8.20
1 1/2" Ferrule Small End—7/16" Rug	9.60
1 3/4" Ferrule Small End—1/2" Ring	12.80

WAGON BOX RODS

Patent Shoulder

	x3'3"	x3'5"	x3'7"	x3'9"	1/16"x3'7"
1/4" Per 100	$23.75	$24.55	$25.35	$26.15	$34.85

Common

	x3'3"	x3'5"	x3'7"	x3'9"
3/4" Per 100	$22.50	$23.30	$24.10	$24.90

WAGON BRAKE RATCHETS

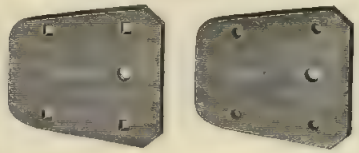
Wrought

	Each
No 3030A—with Guard	$ 0.00

No. 3035A—Plain	0.00

WAGON HARDWARE—Continued

STEEL COUPLINGS PLATES



	Per lb
9"x8"x6½"	$ 0.00

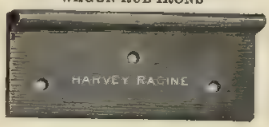
TONGUE PLATES

	Per lb
7"x6½"x½"	$ 0.00

POLE CAPS

	Each
No 109—Extra Heavy, 10"	$ 0.00

WAGON RUB IRONS



	Each
No 3165A	$ 0.00

STEEL SEAT SPRING HOOKS

	Per lb
2½", 3" 3½"	$ 0.00

WAGON BOX STAPLES

To Rivet and Clinch

	Per 100
1½", 1¾", 2"	$ 0.00

HAMMER STRAPS

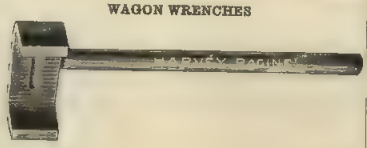
	Each
Heavy Pattern.	$ 0.00
Light Pattern.	.00

KING BOLTS

Countersunk and Button Head

	Per lb
⅝" and ¾"	$ 0.00
⅞", 1", 1¼" and 1½"	.00

WAGON WRENCHES



	Per lb
1¾" to 2¾"	$ 0.00

MALLEABLE IRONS Continued

EMCO TRUSSED PLATFORM GEARS

Patented May 25th, 1909.

For Shafts or Drop Pole. **Double Bolster** **With Step Pads.**

No. 8036 For 40 in. Side Springs, 42 in. Cross Springs.

No. 8038 For 38 in Side Springs, 40 in. Cross Springs.

Furnished with Spring Chairs for both Axles, unless otherwise ordered.

B	CX	FX	D	G	H	GX	J	L	M	MX	P	
1 1/8	1 1/8	1 1/4	1 1/8	1 1/4	1 3/8	1 1/4	1 3/8	1 3/4	1 1/2	1 5/8	1 3/4	in. Axle.
1 1/4	1 3/8	1 3/8	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	1 3/4	2	2	2	in. Spring
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 3/8	1 3/8	1 3/8	1 1/2	1 1/2	1 1/2	in. Shaft Eye.
			26					28				in. Circle.

The dimensions of these Circles are not arbitrary, but are the sizes recommended.

We furnish **Complete Sets** of **Malleable Irons,** as follows:

One set consisting of

1 set Splinter Bar **T** and Truss Strut No. 6227.
1 set Evener Drop Stay Brace No. 2383/4.
1 piece Splinter Bar Top **T** Plate No 6236.
1 piece Hound Cap No. 6231.
1 pair Bolster Plates No. 740.
1 piece Front Circle Bearing No. 6233.
2 pieces Cross Spring Clip Tie No. 6659 or 6661.
1 pair Step Pads and **T** Braces No. 6263.
1 pair Spring Shackles No. 6252
1 pair Shaft Shackles No 6826
1 set Spring Chairs and Plates No. 6618
3 pieces Elevating Collars No. 6265

We **do not** furnish the Circles, Truss Rods, Lining Plates or Wood Parts

No. 6622 Spring Chairs will be substituted for No 6618, when so ordered.

These Gears have a carrying capacity of from 800 to 3500 lbs.

Shipped from Factory

Finishing and Proofing
TESTING THE PLATE FOR PRINTING QUALITY

61 Fine etching done by finisher.

62 Plate is chalked for examination.

63. Outlining a half-tone to remove unwanted surface

64 Removing spots and defects from half-tone.

65 After routing, half-tone is trimmed to outline

66. Finishing corners of half-tone squared with line.

FINISHING and PROOFING
67. Zinc cuts are carefully spotted and revised
69. Burnishing dark areas to increase contrast.
68 Cutting special white line with draw tool.
70. Progress of work checked against copy.
71. Re-engraving highlights and tooling.
72. Scratches are repaired by lifting each dot to surface.

FINISHING and PROOFING

73. The finished engraving is thoroughly cleaned.

74. Vignettes and outlined engravings require a printer's overlay.

75. Orders frequently call for mixing of special inks.

76. Registering color plates on press.

77. Type of press commonly used for proofing.

78. Faithful reproduction is sought.

79. The finished engraving is finally cleaned.

Helbros Strap Watches

—the recognized timepiece for men!

Outstanding Helbros Features:

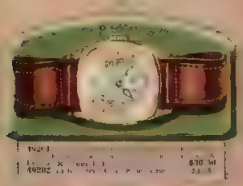
1 DIALS— with raised Gilt radium encrusted numerals. Patent pendo

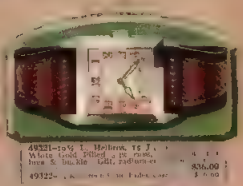
2 LUGS with removable pin bar

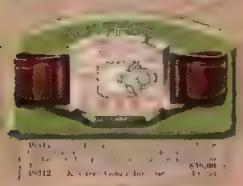
3 BUCKLES— with removable pin bar

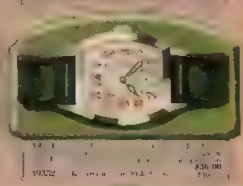
4 CASES— [illegible]

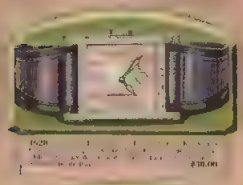
Every detail perfected!

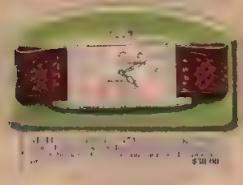


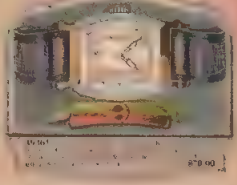


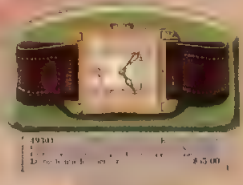












HELBROS — *the strap watch for* ALL *occasions!*

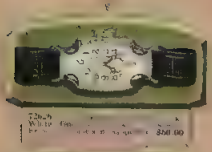
Helbros
fascinating
gem-adorned
watches

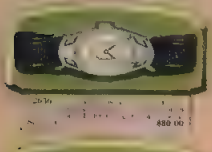
THE smartest and most modern ideas are embodied in these exclusive designs—exquisitely carved out with genuine fine diamonds and specially cut synthetic gems of ruby red, sapphire blue, and emerald green.

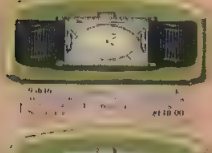
Only the exceedingly dependable Helbros movements are used - highly-finished movements with special mainspring, tempered hairspring, red ruby jewels, and engraved, Sterling Silver dials, with assorted raised or enameled numerals. Each watch with an appropriate presentation box.

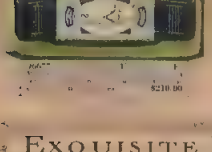
(Watches shown ¾ actual size)

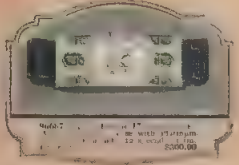
3 piece Cases

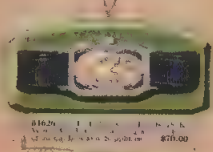


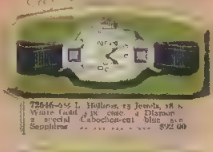


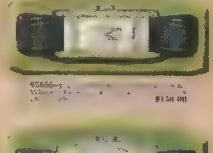


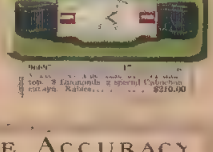












EXQUISITE BEAUTY *plus* DEPENDABLE ACCURACY

Helbros

Exquisite Beauty

"EXQUISITE BEAUTY" is but one of the features that make Helbros the most approved moderately-priced watch. "DEPENDABLE ACCURACY" is the prime guiding principle. Accuracy in the modern precision machinery which produces the minute parts—in the hundred-odd perfectly standardized parts—in the rigid inspection at every stage of the manufacturing process, and accuracy in the adjustment and testing before shipment. Lasting satisfaction is assured by a staff of expert repair men, and a complete stock of parts at all material houses, and at the Helbros establishment in New York.

NATIONALLY

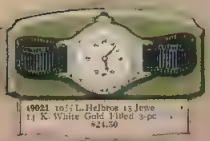
Helbros Watches in Star 14kt. White Gold Filled 3-piece Cases

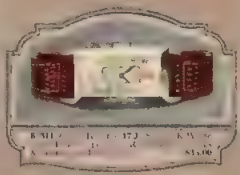
THESE watches contain the high-grade Helbros movements with special mainspring, tempered hairspring, red ruby jewels, and assorted engraved Sterling Silver dials with raised or enameled numerals—every movement thoroughly adjusted.

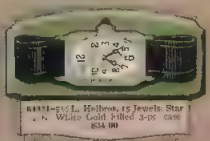
The cases are 3-piece Star, 14Kt., White Gold Filled quality, with the latest motifs in design. An attractive presentation box with every watch.

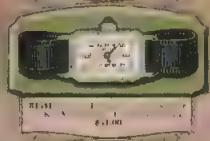
(Watches shown 2/3 actual size)

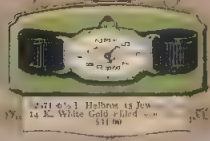
All prices subject to change without notice

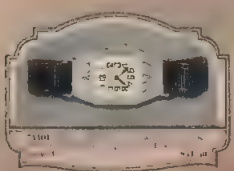


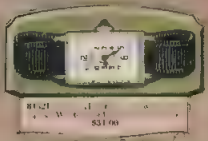


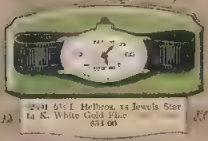












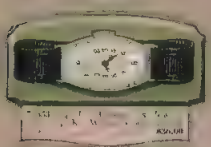
Watches

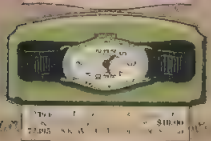
Dependable Accuracy

FROM mainspring to hairspring, each part of a Helbros movement is faultlessly executed and highly finished. The finest red ruby Jewels are used. Dials are of Sterling Silver, tastefully engraved, and have baked-in enameled numerals. Every movement is stamped with an individual serial number and model number. When you wish to order materials, you merely specify the model number.

Substantial *three-piece* cases, choice silk grosgrain ribbons with carved buckles, and distinctive presentation boxes complete the painstaking details which render Helbros Watches "exquisitely beautiful and dependably accurate."

ADVERTISED





Helbros Watches
in Solid Gold 3-piece Cases

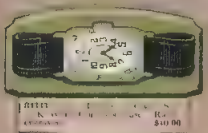
DAINTY tonneaus, winsome ovals, dignified rectangulars—fitted with the thoroughly reliable, highly finished Helbros 15 and 17 Jewel movements.

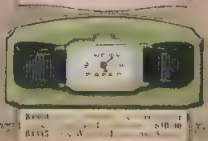
The Helbros SUPERB 5¼ Ligne watches are exclusive up-to-the-minute creations [illegible] The movements and cases are skilfully constructed; every movement [illegible], the recognized Helbros features; and every case 3-piece with permanent, rigid and substantial lugs.

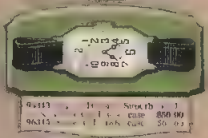
Attractive presentation box with every watch.

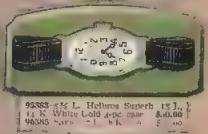
(Watches shown ¾ actual size)

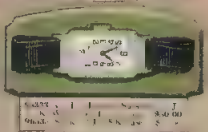
All prices subject to change without notice











BIRD CAGES

HENDRYX

WHITE ENAMELED, GOLD TRIMMED

White enameled wire, bronze trimmed base, guards and bands; cross bands made in the form of oblong tubes with holes in the top and bottom for the wires to pass through, and by passing each wire through 2 holes in each cross band, a firm hold is given to the wires. Complete with 3 perches, 2 clear glass cups and 1 swing.

Without Wire Guards.

Nos.	233	234
Size body, ins	11x7½	12½x8
Height, ins	13⅜	14⅝
Wt each, lbs	5	6
Each	$8 70	9 45

Packed loose.

ASSORTMENTS, HENDRYX

Spring brass wire; fine mesh brass wire seed guards fitting around cups and under door; self closing door, removable solid brass base with self locking hooks. Complete with perches, swing and two opal cups.

Assortment consists of a nest containing three cages assorted 1 each of the following sizes:

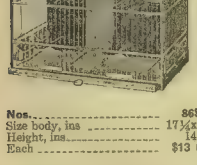
Diameter 10⅛ inches, height 13 inches; diameter 11 inches, height 13¾ inches; diameter 11¾ inches, height 14¾ inches.

	Per Ass't
No. 5-2535—Dull brass finish	$45 00
No. GM-2535—Two tone gum metal finish	54 00

Sold only in full assortments.

One ass't in carton; wt per ass't 14 lbs.

WHITE ENAMELED HENDRYX



17 gauge wire, with partition in center; metal drawers and flat back. Each cage complete with 4 cups, six perches and two nests.

Assortment consists of one each of the following numbers:

Nos.	85	86	87
Size body, ins	17¼x8¾	19⅛x10	22x11
Height, ins	14	14¾	16¼
Each	$13 50	15 75	17 25

	Per Ass't
No. $8667—Ass't of 3 cages	$43 50

One ass't in case; nested; wt per ass't 35 lbs.

BIRD CAGES

Spring brass wire; fine mesh brass wire guard; self-closing spring door and removable brass solid base.

Each cage complete with perches, swing and two opal cups.

Diameter body 10⅛ inches; height 13 inches.

	Each
No. 525D—Dull brass and hilite finish	$14 25
No. 525GM—Gun metal and hilite finish	16 95

One in carton; wt each 2¾ lbs.

Diameter body 11 inches; height 13⅞ inches.

	Each
No. 530D—Dull brass and hilite finish	$15 00
No. 530GM—Gun metal and hilite finish	18 00

One in carton; wt each 3½ lbs.

Diameter body 11¾ inches; height 14¾ inches.

	Each
No. 535D—Dull brass and hilite finish	$18 00
No. 535GM—Gun metal and hilite finish	21 30

One in carton; wt each 3¾ lbs

HENDRYX

BRASS, SATIN DIPPED FINISH

Spring brass wire with brass wire seed guard; brass top and base; removable white enameled mat; opal glass seed cups; self-locking base hooks. Complete with three perches and one swing.

Nos.	02274	02275	02276
Height, ins	13	13⅞	14¾
Diam body, ins	10⅛	11	11¾
Wt each, lbs	2	2½	3
Each	$9 45	11 40	13 20

Packed loose

ASSORTMENTS

SATIN DIPPED FINISH

	Per Ass't
No. 02274-5-6—Ass't consists of one each of the following Nos. 02274, 02275 and 02276 as described above, brass, satin dipped finish; wt per ass't 14 lbs	$34 20

One ass't in carton.

DUCO FINISH

	Per Ass't
No. 2274-5-60—Ass't consists of one each same size as Nos. listed above in pompeian green, old ivory, and ebony and gold, Duco finish; wt per ass't 15 lbs	$45 75

One ass't in carton.

BIRD CAGE STANDS

HENDRYX

Full arch shape, solid steel upright and arch, heavy ornamental cast metal base. Can be taken apart when not in use. Height over all 65 inches.

	Each
No. 32PG—Pompeian green, Duco finish	$11 40
No. 320I—Old ivory, Duco finish	11 40
No. 32EG—Ebony and gold, Duco finish	11 40

One in carton; wt each 14½ lbs.

D 6

BIRD CAGES

SONGSTER ASSORTMENTS

Brass.

Brass wire, riveted to three brass metal crossbands and clinched to top rings under cap; self-closing spring doors; removable brass bases, with legs. Each cage complete with 2 opal cups; 3 wood perches and 1 swing.

Assortment consists of 2 each of the following numbers:

Nos.	5002	5004	5006
Size body, ins	8½x5½	9½x6⅜	10x7
Height, ins	11⅜	11½	11¾

Per Ass't

No. 200—Ass't, 6 cages $42 00

(Sold in full assortments only).

One ass't in case; nested; wt per ass't 18 lbs.

BRASS

Spring brass wire, riveted to solid brass rails and clinched to top ring under cap; brass base; fine mesh brass wire guard; self closing door and removable base with pedestal. Each cage complete with three perches, two opal cups and one swing.

Nos.	274	275	276
Diam body, ins	10½	11	11⅞
Height, ins	15⅝	15⅝	17¾
Wt each, lbs	4½	5½	6
Each	$7 95	9 45	11 10

Packed loose.

ASSORTMENTS

Per Ass't

Nos. 274-5-6—Consists of 1 each Nos. 274, 275 and 276 cages as described above $27 00

Nested; wt per ass't 17 lbs.

SEPARATE NUMBERS

Brass.

Spring brass wire, riveted to three heavy brass cross rails clinched to top ring under cap. Removable brass bases, with legs; self closing spring doors. Each cage complete with 3 wood perches, 2 opal cups and 1 swing.

Without Guards.

Each

No. 5008—Size body 10⅝x7⅝ ins; extreme height 12⅜ ins $10 95

Packed loose; wt each 6 lbs.

With Fine Mesh Brass Wire Guards.

Each

No. 5006G—Size body 10x7 ins; extreme height 11¾ ins $10 50

Packed loose; wt each 6 lbs.

BIRD CAGES

ASSORTMENTS

Brass and Japanned.

17 gauge iron wire; crossbands made in the form of oblong tubes, with holes in the top and bottom for the wires to pass through, and by passing each wire through two holes in each cross band a firm hold is given to the wires. Sliding doors and removable base with legs; each cage complete with 3 perches, 2 clear glass cups and 1 swing.

Nos. 065, 066 and 067.

17 gauge brass wire, riveted to three brass metal cross-rails and clinched to top of ring under cap; self closing spring doors and removable brass bases with legs. Each cage complete with 3 wood perches, 2 opal cups and 1 swing.

Nos. 5002, 5004 and 5006

Assortment consists of the following numbers:

Enameled.

Nos.	065	066	067
Size body, ins	9¾x6¼	10¾x6¾	11x7½
Height, ins	12⅞	13⅝	13⅞

Brass.

Nos.	5002	5004	5006
Size body, ins	8½x5½	9½x6⅜	10x7
Height, ins	11⅜	11½	11¾

Per Ass't

No. 405—Ass't, 6 cages, 3 japanned, 3 brass $37 80

(Sold in full assortments only).

One ass't in case; nested; wt per ass't 18 lbs.

Enameled.

Plain Square Cages. Nos. 159, 160 and 161.

Plain Oblong Cages. Nos. 02, 165 and 166.

17 gauge iron wire; cross-bands made in the form of oblong tubes, with holes in the top and bottom for the wires to pass through, and by passing each wire through two holes in each cross-band a firm hold is given to the wires. Sliding doors and removable base with legs. Each cage complete with 3 perches, 2 clear glass cups and 1 swing.

Assortment consists of the following numbers:

Nos.	159	160	161
Size body, ins	7¾x7¾	8x8	8¼x8½
Height, ins	12¼	12¾	13½
Nos.	**02**	**165**	**166**
Size body, ins	8½x5½	9¾x6¾	10¾x6¾
Height, ins	12¼	12⅝	13⅜

Per Ass't

No. 300—Ass't, 6 cages $28 50

(Sold in full assortments only).

One ass't in case; nested; wt per ass't 25 lbs.

BIRD CAGE STANDS

HENDRYX

Solid steel upright and arch, heavy ornamental cast metal base. Can be taken apart when not in use. Height over all 65 ins.

	Each
No. 31—Duco ght finish	$ 6 30
No. 31SG—Spanish gray finish	10 50
No. 31CRB—Chinese red and black finish	10 50
No. 31BG—Bermuda and gold finish	10 50

One in carton; wt each 13 lbs.

HENDRYX

Upright, dull black steel tubing screws into heavy base. Brass plated hanger highly polished, fits into top upright. Suitable as a bird cage stand or floral hanger. Can be taken apart when not in use.

	Each
No. 17B—Height over all 67 ins	$7 95

One in carton; wt each 10 lbs.

Upright hanger and base cover made of brass, highly polished. Inside steel tubing upright, threaded at both ends; screws into heavy base casting and receive the hanger at its upper end.

	Each
No. 18B—Height over all 67 ins	$7 65

One in carton; wt each 12 lbs.

Full moon shape; heavily weighted base. Can be easily taken apart when not in use.

	Each
No. 2—Polished brass moon, black enameled base and stem, diam base 10 inches; size moon 26x19 ins; height 64 ins	$8 25
No. 01001—Polished brass throughout; diam base 10 ins; size moon 26x19 ins; height 64 ins	10 20

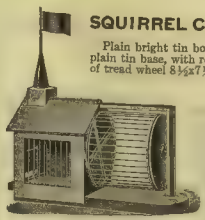
One in carton; wt each 10 lbs.

PARROT CAGES

No. 12 tinned steel wire, riveted to three tinned rails and soldered to metal disc at top; new door fastening. Complete with 1 wood perch, 1 swing and two tinned self-locking feed cups.

	Tin Base	Zinc Base
Nos.	21	22
Diam body, ins	13	15½
Height, ins	21¼	24
Wt each, lbs	4	6
Each	$13 50	18 00

Packed loose.

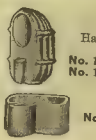


SQUIRREL CAGES

Plain bright tin body, with tin tread wheel; plain tin base, with removable waste tray; size of tread wheel 8½x7½ inches.

	Each
No. 2 Body 9¼x8½ ins; height to top of cage 11 ins; base 8½x18½ ins	$20 55

Packed loose; wt each 6 lbs.



FEED CUPS

For Bird Cages.

Half round, oval top. Size 3x2¼ ins.

	Per Doz
No. 1904—Clear glass	$2 70
No. 1907—Opal glass	2 85

Packed loose; wt per doz about 2½ lbs.

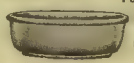
Oblong. Size 3x1¼ ins.

	Per Doz
No. 1908—Opal glass	$3 00

Packed loose; wt per doz 3 lbs.

BATHS

For Bird Cages.



Oblong. Size 4½x3x1¼ ins.

	Per Doz
No. 1A—Opal glass	$2 55

Packed loose; wt per doz 6 lbs.

BIRD CAGE HOOKS

Swinging wire arm with hook; steel wall plate; base 3¾x1¼ ins.

	Nickel Plated		Brass Plated
Nos.	**1808**	**1810**	**3712B**
Length, ins	8	10	12
Wt per doz, lbs	1½	2	3
Per Doz	$2 55	3 60	4 35

No. 1808 one doz in cardboard box without screws; Nos. 1810 and 3712B one in envelope complete with screws.

BIRD CAGES

HENDRYX ASSORTMENTS ENAMELED

Nos. 714, 718 and 71L

Nos. 728 and 72L

No. 130

No. 154

No. 170

Nos. 175, 176 and 181

No. 165

17 gauge wire; cross-bands made in the form of oblong tubes, with holes in the top and bottom for the wires to pass through, and by passing each wire through 2 holes in each cross band, a firm hold is given to the wires; sliding doors, and removable bases, with legs. Each cage complete with 8 perches, 2 clear glass cups and 1 swing.

Assortment consists of 1 each of the following numbers:

Nos.	714	718	71L
Size body, ins	7⅝x7⅜	8⅝x8⅝	9¼x9¼
Height, ins	13	13¾	14⅞
Nos.	**728**	**72L**	**130**
Size body, ins	10¾x6¼	11x7⅝	8⅝x8⅝
Height, ins	13⅝	14⅜	13½
Nos.	**154**	**170**	**175**
Size body, ins	8¾x8¾	7⅜x7⅜	7⅜x7⅜
Height, ins	14½	13⅜	13⅜
Nos.	**176**	**181**	**165**
Size body, ins	8x8	8x8	9¾x6¼
Height, ins	14	14¼	12⅝

Per Ass't

No. 400—Ass't, 12 cages $68 25

(Sold in full assortments only).

One ass't in case, nested; wt per ass't 46 lbs.

BIRD CAGES

HENDRYX WHITE ENAMELED

White enameled body and base, with green and gold stripe; wire bound wire guard; sliding door and removable base with pedestal.

Each cage complete with 3 perches, 2 clear glass cups and 1 swing.

Nos.	6	6½	7
Diam body, ins	10¼	10⅝	12
Height, ins	14½	14⅝	14½
Wt each, lbs	5	6	7
Each	$8 70	9 90	11 40

Packed loose.

ASSORTMENTS Per Ass't

No. 766½—Consists of 1 each: Nos. 6, 6½ and 7 cages as described above; $27 75

Nested wt about 17 lbs.

HENDRYX

17 gauge wire; cross bands made in the form of oblong tubes with holes in top and bottom for the wires to pass through, and by passing each wire through two holes in each cross band; sliding doors and removable bases with legs. Complete with three perches, 2 clear glass cups and 1 swing.

Each

No. 068—Size body 12¼x8½x14⅝ ins $7 95

Packed loose; wt each 6 lbs.

Each

No. 161—Size body 8⅝x8⅝x13½ ins $6 60

Packed loose; wt each 5 lbs.

ASSORTMENTS

Assortment consists of one each of the following:

Square Cages:	Oblong Cages:
No. 160—8x8x12¾ ins	**No. 066**—10⅜x6⅞x13⅝ ins
No. 161—8⅝x8⅝x13½ ins	**No. 067**—11x7½x13⅞ ins
No. 162—9¼x9¼x14⅛ ins	**No. 068**—12¼x8x14⅝ ins

Per Ass't

No. 0150—Ass't, 6 cages $37 80

(Sold in full assortments only).

One ass't in case; nested; wt per ass't about 35 lbs.

HENDRYX WHITE ENAMELED, GOLD TRIMMED

White enameled wire, bronzed; trimmed base, guards and bands. Cross bands made in the form of oblong tubes with holes in the top and bottom for the wires to pass through, and by passing each wire through 2 holes in each cross band, a firm hold is given to the wires. Complete with 3 perches, 2 clear glass cups and 1 swing.

With Brass Wire Guards.

Each

No. 2346—Size body 12¼x8 ins; height 14⅝ ins $13 20

Packed loose; wt each 6 lbs.

ICE TONGS

No. M4—Family, steel points, malleable grips, self-adjusting, opens 12 in., w't per doz. 16 lbs., per dozen $8.90

No. M6—Solid steel, malleable grips, self-adjusting, opens 16 in., w't per doz. 28 lbs., per dozen $13 35

CINCINNATI, pattern, chain, steel concave grips.

Especially adapted for family use.

No. M11—Cruso, 12 in. opening, w't per doz. 13 lbs., per dozen $6.65

LOOSE

CINCINNATI CHAIN, File Steel, Concave Grips.

Having the correct curve, these tongs will hold securely at any span. The rivet is extra large and made of steel. Very easy working, will stand hard usage and especially adapted for handling large quantities of ice.

Nos.	M12	M14
Opens, in.	12	14
W't, doz., lbs.	27	29
Per dozen	$14.20	14.65

ICE TONGS

No. M000—Specially forged from solid steel, duck bill points, body black enameled, points and handles enameled bright red. Built for service. Opens 17 in., w't per doz. 28½ lbs. .....per dozen $16.65

No. M00—Solid steel forged, duck bill points, opens 12 in., w't per doz. 17 lbs. .....per dozen $18.90

Hibbard

Solid steel, forged, swelled grips, duck bill points, painted red. Forged from one piece of steel, carefully sharpened and tempered.

These tongs are extra wide at the hinge and will stand very hard usage.

Nos.	M1	M2	M3
Opens, in.	15	17	24
W't, doz., lbs.	47	50	69
Per dozen	$40.00	42.65	46.65

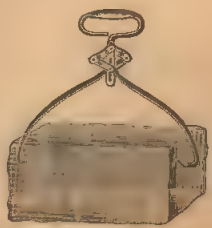
ICE TONGS

Made heavy for hard use. Extensively used for handling wood logs in ice harvesting.

No. M24—Solid forged steel, double jointed self-adjusting, duck bill points, steel handles, wood grips, opens 24 in., w't per doz. 45 lbs., per dozen $48 90

Made of No. 4 gauge bright wire, length overall 12 in. open 14 in.

No. D43—W't per doz. 4½ lbs., per dozen $1.80



Made of No. 1 gauge bright wire, self-adjusting, length overall 15 in., opens 14 in.

No. D44—W't per doz. 8½ lbs., per dozen $4.80

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

ICE AXES

Chicago Pattern.

No. 144T ~~3459~~—Blades 2¾×6 in., size over all 12 in., forged from tool steel, enameled bright red with polished bit and pick, 26 in. hickory handle, w't per doz. 45 lbs., per dozen $50.00

HALF DOZEN IN A CRATE

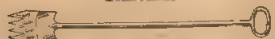
ADZES

No. F471—Toothed edge, width of blade 6¼ in., handled, w't 5 lbs.★.....each $15.00

SUMMER BARS

No. F460—W't 17 lbs.★.....each $20.00

SHAVERS



No. M649C—4 points, **ring pipe** handle, w't 4 lbs., each $6.55

No. M649E—5 points, **knob pipe** handle, w't 5½ lbs., each $7.55

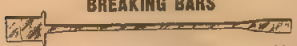
No. M650—4 points, long handle, w't 4 lbs..each $7.00

No. M652—4 points, D handle, w't 4½ lbs....each $7.00

FORK BARS

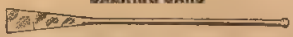
No. F449—Ring handle, length 4 ft. 7½ in., fork 8 in. wide, w't 16 lbs.★.....each $21.00

BREAKING BARS



No. F454—Length 4 ft. 8 in., pad 7⅛×4½ in., chisel blade 2½ in. wide, w't 16¼ lbs.★.....each $17.55

CALKING BARS



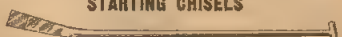
No. F457—Hollow handle, length 4 ft. 3 in., blade 14×4½ in., diam. 1¼ in., w't 8 lbs.★.....each $10 00

No. F457½—Wood handle, length 4 ft. 3 in., blade 14×4¾in., diam 1¼ in., w't 5 lbs.★ .....each $10 00

BAR OR PACKING CHISELS

No. F458—Steel handles, length 4 ft. 7 in., blade 12×4½ in., w't 15½ lbs.★.....each $15.00

STARTING CHISELS



No. F466—Omaha pattern, length 4 ft. 7 in., blade 10×2⅜ in., w't 14½ lbs.★..... ....each $14.00

PATENT FLOOR SHAVERS

No. M470—5 teeth, length 4 ft 10 in., blade 6 in. wide, w't 6 lbs..... each $9 55

SPLITTING CHISELS

No. F476—Ring handle, **steeled blade,** length 4 ft. 6 in., blade 10½×3 in., w't 14 lbs.★ . ..... each $10 00

No. F477—Ring handle, **all tool steel blade,** length 4 ft. 6 in., blade 10½×3 in., w't 14 lbs.★.....each $11.00

NEEDLE BARS

No. F484—Canal, ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 11 lbs.★.. .... .each $9.55

No. F484½—Field, ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 15 lbs.★.....each $10.45

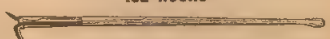
ICING HOOKS

These hooks are also furnished with pipe handle.

No. M524½—Wood handle, length over all 5 ft, w't per doz. 63 lbs ....per dozen $132 00

No. F524½—Wood handle, length over all 5½ ft., w't per doz. 68 lbs.★.....per dozen $134.00

ICE HOOKS



Furnished in lengths from 3 to 18 feet inclusive.

No. M520-4½—Length 4½ ft., w't per doz. 37 lbs., per dozen $43.55

No. M520-5—Length 5 ft., w't per doz. 40 lbs., per dozen $44.45

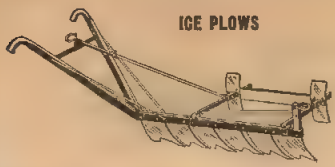
CAR HOOKS

No. F522—Length 4 ft., w't per doz. 45 lbs., per dozen★ $50.00

No. F523—Length 4½ ft., w't per doz. 48 lbs., per dozen★ $51.10

★Items Marked Thus ★ Are Shipped from Factory Only.

ICE PLOWS



DAIRYMEN'S "ICE KING" PLOW—Five solid steel teeth, not polished but left blue non-adjustable 22 inch swing guide and clearing tooth, w't with case 115 lbs.

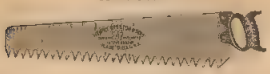
No. F315— 8 in.★.....each $106.00
No. F316—10 in.★.....each 116.00
No. F317—12 in.★.....each 126.00

Five solid steel teeth, not polished but left blue, with adjustable swing guide and clearing tooth, w't with case 120 lbs.

No. F320— 8 in., 14 to 22 in. swing guide★.each $110.00
No. F321—10 in., 14 to 22 in. swing guide★.each 120.00
No. F322—12 in., swing guide, made to order only, each★ $130.00

ICE SAWS

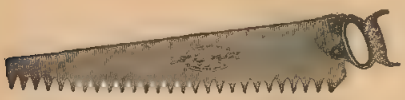
WAGON



DISSTON'S, wagon, cast steel, polished, japanned iron handle.

No. 73—Inches	26	28	30
W't per doz., lbs.	42	47	55
Each	$4.20	4.35	4.45

SIXTH DOZEN IN A BOX

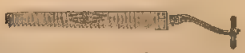


Cast steel blade, polished malleable iron handle.

No. 175—Inches	26	28	30
W't per doz., lbs.	40	45	52
Each	$3.20	3.35	3.45

SIXTH DOZEN IN A BOX

POND



DISSTON'S, cast steel, polished, set and sharpened, 10 gauge, tapered from 7 to 5 inches, with handle.

Nos.	X404	X404½	X405
Feet	4	4½	5
W't, lbs.	10	12	13
Each	$11.10	12.20	13.35

LOOSE

TONGS

Eastern Edging-up.

No. M561½—Eastern Edging-up, hollow handles, 26 in., painted red, w't per doz. 48 lbs.....per dozen $66.00

Boston.

Cincinnati Chain.

Patent Link.

No. M540—13 in., Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, w't per doz. 34 lbs.....per dozen $50.00

No. M540—14½ in., Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, w't per doz. 39 lbs.....per dozen $51.10

No. M550—12 in., Cincinnati Chain, thin points, color black, w't per doz. 21 lbs.....per dozen $35.00

No. M550—15 in., Cincinnati Chain, thin points, color black, w't per doz. 24 lbs.....per dozen $37.00

No. M551—12 in., Patent Link, thin points, w't per doz. 28 lbs.....per dozen $35.00

No. M551—15 in., Patent Link, thin points, w't per doz. 30 lbs.....per dozen $37.00

Lowering.

Utah Edging-up.

Car.

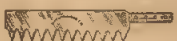
No. F570—Lowering, Single point, color red, point ⅞ in. wide, 24 in. span, w't per doz. 66 lbs.★.....each $11.00

No. F571—Lowering, Single point, color red, point ⅞ in. wide, 17 in. span, w't per doz. 66 lbs.★.....each $10.00

No. F563—Utah, Edging-up, 19 in., hollow handles, color red, narrow points, w't per doz. 48 lbs.★per dozen $68 00

No. M544—12 in., Car, made of best tool steel throughout, hollow handle, w't per doz. 34 lbs..per dozen $59.00

CLEAVERS



No. F648—Cleaver, 12 teeth, length of blade 20 in., end of blade sharpened for scraping, w't pr doz. 36 lbs., each★ $13.00

★Items Marked Thus ★ Are Shipped from Factory Only.

ICE PICKS

All **Hibbard** Ice Picks are finished in Udylite, a rustproof coating of cadmium which is not a mere shell but tends to amalgamate with the metal itself.

It is positively guaranteed not to scale, chip, check or crack. Once applied, it is permanent, and the product to which it is applied is permanently rustproof.

No. D15 Hibbard—For expert icemen's use, tempered steel, Udylite finished, 5 in. taper needle point, length of pick 6 in., length overall 9⅜ in., hardwood handle, w't pr doz. 2 lbs.....per dozen $3.35

ONE DOZEN IN A BOX

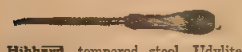
No. D16 Hibbard—For icemen's use, tempered steel Udylite finished, extra long, length of pick 6 in., 2¾ in. taper needle point, length overall 10¼ in., hardwood handle, w't per doz. 2 lbs..per dozen $2.65

ONE DOZEN IN A BOX

No. D11 Hibbard—For household, saloon or soda fountain use. Tempered steel, Udylite finished, 2¼ in. taper needle point, **black** hardwood handle, length of pick 6 in., length overall 9⅜ in., w't per doz. 2¼ lbs., per dozen $3.35

ONE DOZEN IN A BOX

No. D12 Hibbard—For general use, tempered steel, Udylite finished, 2¼ in. taper point, hardwood handle, length of pick 6 in., length overall 9⅜ in., w't per doz. 1⅝ lbs., per dozen $2.55



Hibbard tempered steel, Udylite finished needle point, finely drawn, hardwood file handle.

Though plain in appearance, this is an extra fine pick, and is intended for expert icemen's use. The sharpness and high temper of point makes this pick the icemen's pet.

Nos.	D6	D4½
Point, in.	6	4½
Taper, in.	3	3
Overall, in.	10¼	9
W't, doz., lbs.	1½	1⅛
Per dozen	$2.55	2.45

ONE DOZEN IN A BOX

ICE PICKS

No. D6½ Hibbard—Tempered steel, Udylite finished, finely drawn point 6 in., 2¼ in. taper, large flat sided maple handle, length 10¼ in., w't per doz. 2½ lbs.....per dozen $2.55

ONE DOZEN IN A BOX

No. D8 Hibbard—Tempered steel, Udylite rust-proof finish, length of pick 4¾ in., length over all 8¾ in., black enameled hardwood handle, w't per doz. 1¼ lbs..per dozen $2.66

ONE DOZEN IN A BOX

No. D2—Tempered tool steel, nickel plated 2¼ in. evenly tapered needle point imitation cocobola handle, length of pick 5 in., length overall 8½ in., w't per doz. 1¼ lbs., per dozen $2.35

ONE DOZEN IN A BOX

No. D94A—Tempered tool steel, nickel plated needle point 6 in. tapered, 2¼ in. hardwood handle, heavy tinned cap, length 8¼ in., w't per doz. 9 lbs. .....per dozen $3.10

ONE DOZEN IN A BOX

HURWOOD, 5¼ in. polished tempered steel needle point running through handle riveted and headed. Length 9⅝ in., ebonized handle, polished steel ferrule.

No. D7—Diam. handle 1¼ in., w't per doz. 1½ lbs. .....per dozen $7.80

No. D70—Diam. handle 1¼ in., w't per doz. 2½ lbs....per dozen $8.45

No. D700—Diam., handle 1½ in., ⅝ in. nickel plated octagon steel ring forced and riveted on handle, w't per doz. 2½ lbs....per dozen $13.35

ONE DOZEN IN A BOX

ICE PICKS

Spring Blade Showing Spring in Handle

Point is held in one spot and ice cake is split without waste. Coiled brass spring assembled to blade inside handle. Spring steel blade, ground to needle point, hardened, tempered, nickel plated, hand buffed and winged, a washer on each side of wing inside of handle to prevent blade from coming out. Polished ferrule, blades ⅞×5½ in., length overall 12 in., w't per doz. 2½ lbs.

No. D56—Black ebony finished hardwood handles.....per dozen $4.45

No. D80—White enameled hardwood handles.....per dozen $4.80

ONE DOZEN IN A BOX WITH DISPLAY CARD

No. D81—Tempered steel, 5¼ in. nickel plated blade, 2¼ in. taper, white enameled handle, length over all 9¾ in., w't per doz. 2 lbs., per dozen $1.80

ONE DOZEN IN A BOX

Black ebonized hardwood handle, with 1¼ in steel top.

No. D82—Tempered steel, 5¼ in. nickel plated blade, 2¼ in. taper, length over all 9¾ in., w't per doz. 3⅛ lbs.....per dozen $4.20

ONE DOZEN IN A BOX

Beautifully Finished Tambour Cases, Hand Rubbed

Eight-Day. Duplex Rod Chime. Strikes Hour on Two Rod Chime; Half-Hour on Single Rod

5½-inch Dial, Iveroid, Circular Finish Silvered or Silvered with Raised Gilt Numerals, as ordered. Convex Glass, Silvered Mut, Gilt Sash.

Duplex No. 1

Rubbed Mahogany Finish Case.
Height, 10¼ inches. Length, 21 inches

Iveroid Dial	$13.90
Circular Finish Silvered Dial	14.34
Raised Gilt Numeral Silvered Dial	14.93

Duplex No. 2

Genuine Mahogany Case, Hand Rubbed.
Height, 9¼ inches. Length of Base, 22¾ inches.
Brass Pendulum Movement with Solid Polished Back Plate.

Iveroid or Circular Finish Silvered Dial	$22.84
Raised Gilt Numeral Silvered Dial	23.43

Duplex No. 3

Genuine Mahogany Case, Hand Rubbed.
Height, 9⅛ inches. Length of Base, 22¾ inches
Brass Pendulum Movement with Solid Polished Back Plate.

Iveroid or Circular Finish Silvered Dial	$25.00
Raised Gilt Numeral Silvered Dial	25.59

Duplex No. 4

Rubbed Mahogany Finish Case.
Height, 9¾ inches. Length, 21 inches.

Circular Finish Silvered Dial	$15.81
Raised Gilt Numeral Silvered Dial	16.40

Prices subject to change without notice.

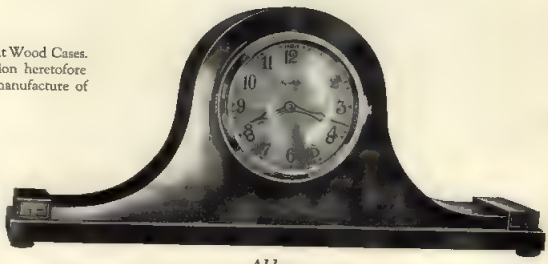
Art Tambour Assortment

Eight-Day. Strikes Hour and Half-Hour on Beautifully Toned Rod Gong

Tambour Cases, Rubbed Mahogany Finish.
Height, 9¾ inches. Length, 21 inches. 5¾-inch Dial.
Assortment all with Circular Finish Silvered Dial, Convex Glass, list each - - - - - - - - - - - - $13.61
Assortment all with Raised Gilt Numeral Silvered Dial, Convex Glass, list each - - - - - - - - - 14.20
Illustration of Allen with Raised Gilt Numeral Silvered Dial Abbey and Abbott with Circular Finish Silvered Dial

Allen

Five Ply, Laminated, Bent Wood Cases. A method of construction heretofore employed only in the manufacture of expensive clocks.



Abbey

Three High Grade Clocks at Remarkably Low Prices.

Abbott

Prices subject to change without notice.

Genuine Mahogany Cabinet Cases, Hand Rubbed Finish

Eight-Day. Strikes Hour and Half-Hour on Beautifully Toned Rod Gong

5½-inch Dial, Iveroid, Circular Finish Silvered or Silvered with Raised Gilt Numerals, as ordered. Convex Glass, Silvered Mat, Gilt Sash. Brass Pendulum Movement with Solid Polished Back Plate

Messines

Height, 9½ inches. Length of Base, 22¾ inches.

Iveroid or Circular Finish Silvered Dial	$20.64
Raised Gilt Numeral Silvered Dial -	21.52

Esnes

Height, 9½ inches. Length of Base, 22¾ inches.

Iveroid or Circular Finish Silvered Dial	$22.80
Raised Gilt Numeral Silvered Dial -	23.68

Marne

Height, 9½ inches. Length of Base, 22¾ inches.

Iveroid or Circular Finish Silvered Dial	$22.80
Raised Gilt Numeral Silvered Dial -	23.68

Roulers

Height, 9½ inches. Length of Base, 22¾ inches.

Iveroid or Circular Finish Silvered Dial	$24.56
Raised Gilt Numeral Silvered Dial -	25.44

Prices subject to change without notice.

Big Tambour Assortment

Eight-Day. Hour and Half-Hour Cathedral Gong Strike

Tambour Cases, Rubbed Mahogany Finish.

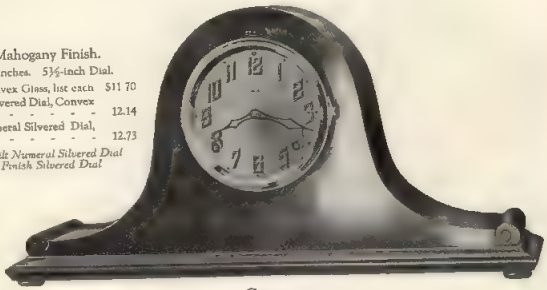
Height, 10½ inches. Length, 21 inches. 5¼-inch Dial.

Assortment all with Ivoroid Dial, Convex Glass, list each $11 70

Assortment all with Circular Finish Silvered Dial, Convex Glass, list each - - - - - - - - - - - - 12.14

Assortment all with Raised Gilt Numeral Silvered Dial, Convex Glass, list each - - - - - - - - - 12.73

Illustrations of Cameo with Raised Gilt Numeral Silvered Dial Cosmo and Canto with Circular Finish Silvered Dial



Cameo

This is one of our most popular assortments.

Cosmo

Three Attractive Designs, Exceptional Values.

Canto

Prices subject to change without notice.

A Larger and More Complete Line of High-Grade I-XL Kitchen Furniture, Consisting of:

KITCHEN CABINETS, UTILITY CABINETS, CABINET BASES, KITCHEN TABLES

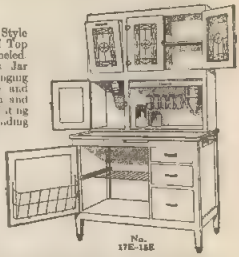
For shipment from factory only F. O. B. Goshen, Ind.

No. 550

Full Post Construction; Dust-Proof Lip Drawers and Doors; 3-ply Panels in All Doors, Ends, Backs and Bottoms; Substantial Framework Under All Case Bottoms; High Grade Construction Throughout; Refrigerator Type Nickel Plated Hardware; Ant-Proof Casters. Satin White Enamel. Complete as Illustrated. Height 52 Inches, Width 22½ Inches, Depth 16 Inches Crated Weight 100 Lbs.

Each

†No. **550W** White Enamel..... $
†No. **550G**—Gray Enamel


No. 17E-18E

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartment White Enameled Drop Roll Curtain. Glass Jar Equipment Consisting of Sugar Jar with Measuring Cup and Cut-off, One Coffee, One Tea and Five Spice Jars. Large Size Tilting Metal Sifter Flour Bin. Full Sliding Porcelain Top Spice Rack. Bracket and Block for Food Grinder. Sliding Banded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base Cupboard is Equipped with Sliding Metal Shelf and Pan Rack. Base has Complete 3-Ply Bottom with Substantial Built-up Framework Underneath. Ant-proof Casters. Dust-proof Lift Construction on all Doors and Drawers. Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.

Height 70 Inches. Porcelain Top 40 Inches Wide, 15 Inches Deep. Crated Weight, 230 Lbs.

Each

†No. **7E-18EW**—White Enamel $
†No. **7E-18EG**—Gray Enamel
†No. **7-18**—Golden Oak

No. 67-TE

The Backs are Finished the Same as Fronts and Ends; Full Post Construction; Substantial Reinforced 3-ply Bottoms Under All Cases; Nickeled Trimmings; Ant-proof Casters; I-XL High Grade Construction and Finish Throughout. Deep Drawer is Metal.

Porcelain Top, 30 Ins. x 25 Ins. Height 32 Ins. Crated Weight, 100 Lbs.

Each

†No. **67**-TEW—White Enamel
†No. **67**-TEG—Gray Enamel $

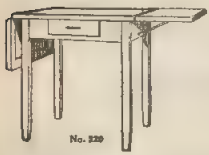
No. 31-TE

Finished in "Satin" White or Gray Enamel Divided Cutlery Drawer Over Base Cupboard. Base Cupboard equipped with Sliding Metal Shelf and Pan Rack. Banded Bread Board. Two Deep Metal Drawers with Metal Sliding Legs.

Porcelain Top, 42 Ins. x 27 Ins. Height 32 Ins. Crated Weight 140 Lbs.

Each

†No. **31**-TEW—White Enamel
†No. **31**-TEG—Gray Enamel $


No. 220

High Grade Materials and Substantial Construction Throughout. Strictly First Quality. All White Porcelain Tops with Curled Under Edges and Equipped with Strong Wood Frame Work to Insure Flattest Possible Top Surfaces. Legs are Tapered at the Bottom. Equipped with Hardened Steel Glides, and are Detachable. Lip Drawers Have Three-Ply Bottoms. Shipped Regularly Two Tables to a Crate, with Extra Charge if Packed Single. Finished in Either White or Light Gray "Satin" Enamel Porcelain Top 30 Inches x 25 Inches Deep. Wood Drop Leaves Each 12 Inches x 25 Inches. Height, 30 Inches. Crated Weight 70 Lbs.

Each

†No. **220W** White Enamel $
†No. **220G**—Gray Enamel

No. 600

Full Post Construction, Dust-Proof Lip Drawers and Doors, 3-Ply Panels in All Doors, Ends, Backs and Bottoms; Substantial Framework Under All Case Bottoms; High Grade Construction Throughout, Refrigerator Type Nickel-Plated Hardware, Ant-Proof Casters. Solid Wood Top Enameled. The Wire Shelf in Cupboard is Removable. Width 22½ Inches, Depth 16 Inches. Height 38 Inches. Crated Weight 70 Lbs.

Each

†No. **600W** White Enamel $
†No. **600G**—Gray Enamel

No. 200

High Grade Materials and Substantial Construction Throughout. Strictly First Quality. All White Porcelain Tops with Curled Under Edges and Equipped with Strong Wood Framework to Insure Flattest Possible Top Surfaces. Legs are Tapered at the Bottom, Equipped with Hardened Steel Glides and are Detachable. Lip Drawers Have Three-Ply Bottoms. Shipped Regularly Two Tables to a Crate, with Extra Charge if Packed Single. Finished in Either White or Light Gray "Satin" Enamel. Height 30 Inches.

Nos.	Size Top Ins.	Size Drawer Ins.	Wt. Lbs.	Each
†**195W**	25x36	One 4x16	55	$
†**200W**	25x40	One 4x16	60	
†**195G**—Same as 195W only Gray Enamel				
†**200G**—Same as 200W only Gray Enamel				

A Larger and More Complete Line of High Grade I-XL Kitchen Furniture, Consisting of:

KITCHEN CABINETS, UTILITY CABINETS, CABINET BASES, KITCHEN TABLES

†For shipment from factory only.
F. O. B., Goshen, Ind.

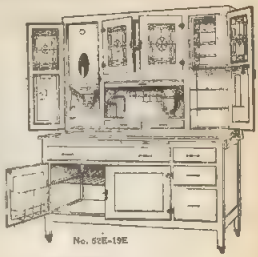
No. 51E-12E

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment Consisting of Swinging Sugar Bin with Metal Cap and Cut-off, One Coffee, One Tea and Five Spice Jars. Large Size Lowering White Enameled Metal Sifter Flour Bin with Glass Covered Clear View Opening. Full Sliding Porcelain Top. Special Bracket and Block for Food Grinder. Sliding Bauded Bread Board. Metal Bread and Cake Drawer with Metal Sliding Lid. Base Cupboard is Equipped with Sliding Sanitary White Enameled Metal Tray, Sliding Metal Shelf and Pan Racks. Base Has Complete 3-ply Bottom with Substantial Built-up Framework Underneath. Divided Large Cutlery Drawer over Base Cupboard. Ant-proof Casters. Dust-Proof Lip Construction on all Doors and Drawers.

No. 51E-12E
Forty-Eight Inches Wide

Height, 70 Ins. Porcelain Top, 48 Ins. Wide, 27 Ins. Deep.
Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.
Crated Weight, 300 Lbs. Each

†No. **51E-12EW**—White Enamel ..
†No. **51-12**—Golden Oak ..
†No. **51E-12EG**—Gray Enamel ..
†No. **5E-14E**—Same as 51E-12E Only 40 Inches Wide and 25 Inches Deep.
†No. **5-14**—Same as 5E-14E Except Golden Oak Finish ..


No. 52E-19E

No. 52E-19E
Fifty-Six Inches Wide

Height, 70 Ins. Porcelain Top, 56 Ins. Wide, 27 Ins. Deep
Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost. Crated Weight, 330 Lbs. Each

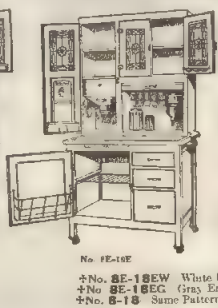
†No. **52E-19EW** White Enamel ..
†No. **52-19** Golden Oak ..
†No. **52E-19EG**—Gray Enamel
†No. **56E-12E**—Same as No. 52E-19E Except Has No Metal Pastry Cooler. Is Only 48 Inches Wide. Crated Weight 300 Lbs
†No. **56-12**—Same as No. 56E-12EOnly Golden Oak Finish

High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment Consisting of One Coffee, One Tea and Five Spice Jars. Stationary Metal Flour Bin with Lid. Stationary Sugar Bin with Lid. Cleaver Tray and Memorandum and Recipe Card Rack. Full Sliding Porcelain Top 39 Ins. Wide and 30 Ins. Deep. Special Bracket and Block for Food Grinder. Sliding Bauded Bread Board. Divided Large Cutlery Drawer. Base Cupboard Equipped with Sliding Metal Shelf and Pan Rack. Base has Complete 3-Ply Bottom with Substantial Built-Up Framework. Dust-Proof Lip Construction on all Doors and Drawers.

Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.

Height, 70 Ins., Width, 22½ Ins. Depth, 18 Ins. Crated Weight, 220 Lbs.

No. 53E-63E


No. 8E-18E

Each

†No. **53E-63EW**—White Enamel
†No. **53E-63EG** Gray Enamel
†No. **53-63** Same Pattern in Golden Oak..

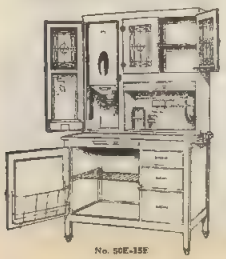
High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment Consisting of Swinging Sugar Bin with Metal Cap and Cut-off, One Coffee, One Tea and Five Spice Jars. Lowering White Enameled Metal Sifter Flour Bin. Full Sliding Porcelain Top. Special Bracket and Block for Food Grinder. Sliding Bauded Bread Board. Metal Bread and Cake Drawer with Sliding Metal Lid. Base Cupboard is Equipped with Sliding Metal Shelf and Pan Rack. Base has Complete 3-Ply Bottom with Substantial Frame work Underneath. Ant-Proof Casters. Dust-Proof Lip Construction on all Doors and Drawers.

Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.

Height, 70 Ins. Porcelain Top 36 Ins. Wide, 25 Ins. Deep. Crated Weight, 210 Lbs.

Each

†No. **8E-18EW** White Enamel
†No **8E-18EG** Gray Enamel
†No. **8-18** Same Pattern in Golden Oak


No. 50E-15E

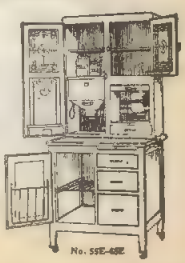
High Grade Refrigerator Style Nickel Hardware. Interior of Top Compartments White Enameled. Drop Roll Curtain. Glass Jar Equipment Consisting of Swinging Sugar Bin with Metal Cap and Cut-off One Coffee, One Tea and Five Spice Jars. Large Size Lowering White Enameled Metal Sifter Flour Bin with Glass Covered Clear View Opening. Full Sliding Porcelain Top. Special Bracket and Block for Food Grinder. Sliding Bauded Bread Board. Metal Bread and Cake Drawer, with Sliding Metal Lid. Base Cupboard is Equipped with Sliding Metal Shelf and Pan Rack. Base Has Complete 3-Ply Bottom with Substantial Built-up Framework Underneath. Ant-proof Casters. Dust-proof Lip Construction on all Doors and Drawers.

Crated Weight, 250 Lbs.

Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.

70 Ins. x 40 Ins. x 25 Ins. Each

†No. **50E-15EW** -White Enamel..
†No. **50E-15EG**—Gray Enamel
†No. **50-15**—Golden Oak Finish ..
70 Ins x 30 Ins. x 25 Ins
†No. **55E-65E** —White Enamel.
†No. **55E-65EG** Gray Enamel


No. 55E-65E

A Larger and More Complete Line of High Grade I-XL Furniture, Consisting of:

KITCHEN CABINETS, UTILITY CABINETS, CABINET BASES, KITCHEN TABLES

✣For Shipment From Factory Only. F. O. B., Goshen, Ind.

No. 38 T-E

Finished in "Satin" White or Gray Enamel. Back Finished Same as Front and Ends. Deep Drawer is Metal with Metal Sliding Lid. Other Two Drawers for Cutlery and Linen. Nickeled Drawer Pulls. Ant-proof Casters.

Height, 32 Ins. Crated Weight, 100 Lbs.

Each

✣No. **38-TEW**—White Enamel $

✣No. **38-TEC**—Gray Enamel .

No. 37-TE

Finished in "Satin" White or Gray Enamel. Back Finished Same as Front and Ends. Deep Drawer is Metal with Metal Sliding Lid. Other Two Drawers for Cutlery and Linen. Banded Bread Board. Nickeled Drawer Pulls. Ant-proof Casters.

Porcelain Top, 20 Ins. x 30 Ins. Height 32 Ins.

Crated Weight, 85 Lbs.

Each

✣No. **37-TEW**—White Enamel $

✣No. **37-TEC**—Gray Enamel .

No. 535

Combination Cleaning and Storage Cabinet Equipment Includes Only the Sheet Door Basket with Hooks Underneath, Broom Holder, Nickeled Trimmings and Ant-proof Casters.

Height, 70 Ins. Depth, 16 Ins.

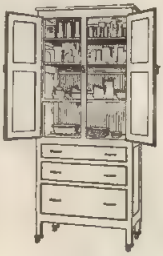
Finished Inside and Outside Either White or Light Gray Enamel.

Crated Weight, 160 Lbs.

Each

✣No. **535W**—White Enamel . $

✣No. **535G**—Gray Enamel .



No. 570

Satin White Enamel Inside and Outside. Nickel-Plated Trimmings. Anti-proof Casters. Complete With Three Shelves.

Height, 70 Ins. Width, 30 Ins. Depth 16 Ins.

Also Furnished Light Gray Enamel Inside and Outside.

Crated Weight 160 Lbs.

Each

✣No. **570W** White Enamel $

✣No. **570G**—Gray Enamel

No. 700

Size of All Wood Top with Leaves Down 18 3-8 Ins. Wide by 30 Ins. Deep with Leaves Up 42 Ins. Wide by 30 Ins. Deep. Height, 30 Ins. Legs are Detachable—Packed Two Tables to a Crate. Finished Either All White or All Gray "Satin" Enamel. Shipping Weight about 65 Lbs.

Each

✣No. **700W** White Enamel. $

✣No **700G**—Gray Enamel .

No. 165

Specifications

No.	Size Top Ins.	Size Drawers Ins.	Av. Wt Lbs
165	20 x 34	One 3 x 16	40
170	18 x 36	One 6 x 16	50

Each

✣No. **165W** -White Enamel $

✣No. **165C**—Gray Enamel

✣No. **170W** -White Enamel

✣No. **170G**—Gray Enamel

No. 530

Shelf or Storage Cabinet Equipment Includes Only the Five Full Depth Shelves. Nickeled Trimmings and Ant-proof Casters.

Finished Inside and Outside, Either White or Light Gray Enamel.

Same Pattern in Golden Oak is No. 580, 580

Height, 70 Ins. Depth, 16 Ins.

Specify on Order if It is Desired Door Swing to the Right.

Crated Weight, 130 Lbs.

Each

✣No. **530W** White Enamel $

✣No. **530G**—Gray Enamel

✣No. **580**—Golden Oak

No. 38-TE

Finished in "Satin" White or Gray Enamel. Back Finished Same as Front and Ends. Nickeled Trimmings. Ant-proof Casters.

Porcelain Top, 20 Ins. x 16 Ins.

Height, 32 Ins. Crated Weight, 60 Lbs.

Each

✣No. **38-TEW** White Enamel $

✣No. **38-TEC**—Gray Enamel

No. 43-TE

Finished in "Satin" White or Gray Enamel. Back Finished Same as Front and Ends. Deep Drawer is Metal with Metal Sliding Lid. Other Two Drawers for Cutlery and Linen. Banded Bread Board. Nickeled Drawer Pulls. Ant-proof Casters.

Height, 32 Ins. Top with Leaves Raised, 44 Ins. x 30 Ins.

Crated Weight, 125 Lbs.

Each

✣No. **43-TE**—White Enamel $

✣No. **43-TEC**—Gray Enamel . One in crate.

Tables Packed Two in a Crate; Cabinets Packed One in a Crate

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†For shipment from factory only F. O. B. Goshen, Ind

No. 585

Satin White Enamel Inside and Outside. Also Furnished Light Gray Enamel Inside and Outside. Nickel-Plated Trimmings. Ant Proof Casters. Inside Equipment Includes Only the One 6-In Depth Shelf, Hooks Underneath and Broom Holder.

Height, 70 Ins. Width, 18½ Ins. Depth, 16 Ins.

Also Furnished Light Gray Enamel Inside and Outside.

If it is Desired Door Swing to the Right, Mention This in Order.

Crated Weight, 70 Lbs. Each

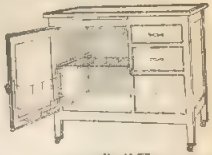
†No. 585W — White Enamel
†No. 585G — Gray Enamel

Utility Closet Containing 5 Shelves, Door Basket with Hooks Underneath, Nickel Trimmings and Anti-Proof Casters. Height, 70 Ins., Depth 18 Ins. Finished Inside and Outside, Either White or Light Gray Enamel. Specify on Order if It is Desired Door Swing to the Right.

Crated weight 120 lbs. Each

†No. 595W — White Enamel
†No. 595G — Gray Enamel

No. 595



No. 18-TE

Finished in Satin White or Gray Enamel. Back Finished Same as Ends and Ends. Deep Drawer all Metal with Metal Sliding Lid. Base Cupboard is Equipped with Metal Shelf and Pan Back Panel is Reversible. Ant-Proof Casters. Height 34 Ins. Width 18 Ins. Depth 16 Ins. Crated Weight 75 Lbs. Each

†No. 18-TEW White Enamel
†No. 18-TEG Gray Enamel

No. 1

Porcelain Top. Height 34, 30" Heavy Legs Tapered At Bottom. Steel Attachment as Shown Can be Supplied with Any Table, but not Included Unless Specified in Order. Gardened Steel Glides. Lip Drawers have 3-Ply Bottom.

White Enamel

No.	Size Top	Size Drawers	Ins	Wt.	Each
†115	37x48 Ins	Two 6x12 Ins		80 Lbs.	
†165	37x48 Ins	Two 6x12 Ins		80 Lbs.	

Gray Enamel

†115	37x48 Ins	Two 6x12 Ins		80 Lbs.	
†165	28x60 Ins	Two 8x10 Ins		90 Lbs.	

No. 545

Finished in Satin White or Gray Enamel. BACK Finished Same as Fronts and Ends. All Drawers are Wood, One Suitable for Flour or Bread. Drawers Pulls. Ant-Proof Casters.

Porcelain Top 27 Ins. x 22 Ins. Height, 32 Ins. Crated Weight 65 Lbs. Each

†No. 41-TEW—White Enamel
†No. 41-TEG—Gray Enamel

Satin White Enamel Inside and Outside. Also Furnished in Light Gray Enamel Inside and Outside. Nickel Plated Trimmings. Ant Proof Casters. Complete as Illustrated.

Height, 32 Ins. Width, 22½ Ins. Depth, 16 Ins. Crated Weight, 90 Lbs.

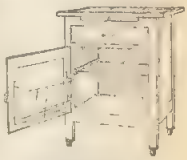
If it is Desired Door Swing to the Right, Mention this in Order. Each

†45 No. W White Enamel
†45 No. G Gray Enamel

Finished in "Satin" White or Gray Enamel. Back Finished Same as Front and Ends. Cupboard is Equipped with Sliding Metal Shelf and Pan Back. Ant-Proof Casters.

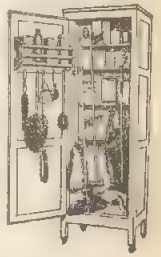
Porcelain Top, 24 Ins. x 20 Ins. Height, 32 Ins. Crated Weight, 75 Lbs. Each

†No. 63-TEW White Enamel
†No. 63-TEG Gray Enamel



No. 63-TE

No. 41-TE

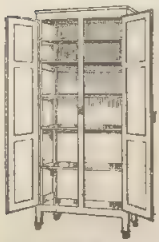


No. 525

Broom or Cleaning Cabinet. Equipment Includes Only the Four 6-Inch Depth Shelves, Door Basket with Hooks Underneath Broom Holder, Nickeled Trimmings and Anti-Proof Casters.

Finished Inside and Outside Either White or Light Gray Enamel Same Pattern in Golden Oak as Our No. 575. Specify on Order if it is Desired Door Swing to the Right. Height 70 Ins. Depth, 16 Ins. Width 22½ Ins. Crated Weight, 110 Lbs. Each

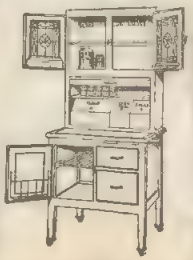
†No. 525W—White Enamel
†No. 525G—Gray Enamel
†No. 575 Golden Oak



No. 555

Thirty-Six Inches Wide Shelf or Storage Cabinet. Equipment Includes Only the Five Full Depth Shelves. Nickeled Trimmings and Anti-Proof Casters. Height 70 Ins. Depth, 18 Ins. Finished Inside and Outside Either White or Light Gray Enamel. Crated Weight, 140 Lbs. Each

†No. 555W—White Enamel
†No. 555G—Gray Enamel



No. 57E-57E

High Grade Refrigerator Style Nickel Hardware Kitchen Cabinet. Consists of Top Compartments White Enameled Drop Roll Curtain. Glass Jar Equipment Consisting of One Coffee, One Tea, Five Sugar, Flour, Sugar and Corn Syrup Jars with Lids. Change Tray for Spices and Recipe Card. Work Top 27½ Ins. Deep Special Size Block for Food Grinder. Other Pressed Bread Board. The Lower Top Drawer is All Metal for Cake etc. Divided Large Drawer Ins. Cupboard Equipped with Sliding Metal Shelf and Pan Back. Base Has Complete 3-Ply Bottom with Substantial Built-up Framework. Anti-Proof Casters. Dust-Proof Lip Construction on All Doors and Drawers.

Height, 70 Ins. Width, 30 Ins. Depth, 18 Ins. Can Supply in I-XL Light Gray Enamel Inside and Outside at Slight Additional Cost.

Crated Weight, About 170 Lbs. Each

†No. 57E-57EW Kitchen Cabinet White Enamel
†No. 57E-57EG Kitchen Cabinet Gray Enamel
†No. 57-57 Kitchen Cabinet Golden Oak

(Tables Packed Two in a Crate; Cabinets Packed One in a Crate)

TOOL BOXES

Constructed of sheet steel, finished in black enamel, baked on. Sides and bottom are corrugated to give additional strength; hinges are riveted on, welded; concealed lock.

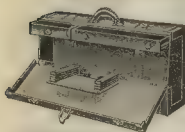
Fitted with steel tray, divided into compartments for bolts, screws, etc.

Each

No. 32—Length 22 ins; width 9 ins; depth 7 ins..... $7 50

One in corrugated carton; wt each 11 lbs.

CARPENTERS KITS, KENNEDY'S



22 gauge steel chest, lined with three-ply wood veneer to protect sharp edged tools, leather brown baked enamel finish. Saw rack is hinged on the lid and fastens securely when chest is closed. The two drawers afford an excellent place to carry small sharp edged tools. Drawers run on rails which cannot let them drop out of place no matter how heavily loaded. Equipped with Corbin lock and side catches. Leather handle reinforced with a steel core which goes through the handle loops.

Each

No. 31A—Outside dimensions, length 32 ins; width 15 ins; depth 7 ins..... $23 25

Packed loose; wt each 18 lbs.

CARPENTERS SHOULDER BOX, KENNEDY'S

22 gauge steel case, reinforced, lined with three-ply wood veneer to protect sharp edged tools, leather brown baked enamel finish. Saw rack is conveniently placed in the lid on hinges and securely fastens to the top of lid when not in use. Tray is lined with three-ply wood veneer and rests on tray ledges running entire length of the case. Equipped with Corbin lock and side catches. Leather handles reinforced with steel core, one on top and one end of case.

Each

No. 31B—Outside dimensions, length 32 ins; width 8 ins; depth 8 ins..... $18 00

Packed loose; wt each 18 lbs.

CARPENTER'S TOTE BOX, KENNEDY'S

22 gauge steel case, brown baked enamel finish. Heavy woven web shoulder strap. Wood veneer piece in bottom to protect sharp tools, will hold square and three saws.

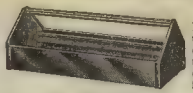
Each

No. K-32—Size 32x8x10¼ ins..... $10 50

One in carton; wt each 14¾ lbs.

TOOL BOXES

TOTE TRAY, KENNEDY'S



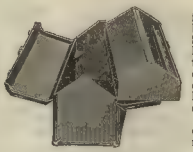
22 gauge steel, brown baked enamel finish. Has tray for small parts and will carry a good assortment of tools. Useful to garage mechanics or maintenance men for work around the shop.

Each

No. 19T—Size 19¾x9¾x3 ins..... $3 75

One in carton; wt each 7 lbs.

GARAGE KIT, KENNEDY'S



24 gauge steel case, reinforced, 22 gauge steel tray, brown baked enamel finish. Snug fitting tray, fitted with handle, can be carried as a tote box. With multiple change lock, side catches, corner irons, and leather handle reinforced with steel core.

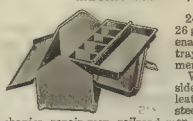
Adpated for garage mechanics or shop maintenance men.

Each

No. 20-G—Size 20x10x13 ins..... $15 75

One in carton; wt each 18 lbs.

MECHANICS KIT, KENNEDY'S



24 gauge steel case, reinforced, 26 gauge steel tray, brown baked enamel finish. Snug fitting tray, divided into compartments for small tools and parts.

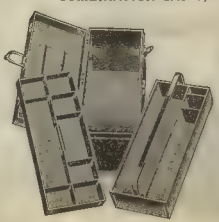
With multiple change lock, side catches, corner irons, and leather handle reinforced with steel core. Adapted for mechanics, repair men, railroad men, painters, etc.

Each

No. 114—Size 14x7x9 ins; wt each 7 lbs..... $11 25
No. 116—Size 16x9x11 ins; wt each 8 lbs..... 12 00
No. 118—Size 18x10x13 ins; wt each 11 lbs..... 12 75
No. 120—Size 20x11x13 ins; wt each 12 lbs..... 13 50
No. 122—Size 22x11x13 ins; wt each 13 lbs..... 13 50

One in carton.

COMBINATION CASES, KENNEDY'S



24 gauge steel case, reinforced, 22 gauge steel tray, brown baked enameled finish. Two snug fitting trays, divided into compartments for small tools and parts, upper tray is 3 inches deep, and is fitted with handle which turns down into tray, can be carried as a tote box. With multiple change lock, side catches, corner irons and leather handle, reinforced with steel core.

Each

No. 716—Size 16x8x9 ins..... $14 25

One in carton; wt each 11 lbs.

TOOL BOXES

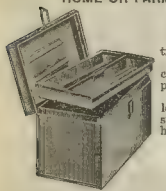
ELECTRICIAN'S KITS, KENNEDY'S

24 gauge steel case, brown baked enamel finish. Fitted brass corners, side catches, Corbin multiple change notch locks and steel leather covered handles. These cases have a divided spacing at one end for blow torch and ledge rests at top case for tray to carry drills, bits and small parts. Have ample space at bottom for heavy tools, material, etc.

	Each
No. 319—Size 19x8x9 ins; wt each 12 lbs	$12 00
No. 321—Size 21x8x9 ins; wt each 13 lbs	12 00

One in carton.

HOME OR FARM KIT, KENNEDY'S



24 gauge steel case, 26 gauge steel tray, brown baked enamel finish. Snug fitting tray divided into compartments for small tools and parts.

With multiple change lock and leather handle, reinforced with steel core. An excellent box for home or farm use.

	Each
No. K-16—Size 16x8x9 ins; wt each 11 lbs	$7 95
No. K-19—Size 19x8x9 ins; wt each 12 lbs	8 25
No. K-22—Size 22x8x9 ins; wt each 13 lbs	8 70

One in carton.

PLASTERERS AND PAPERHANGERS CASES, KENNEDY'S

26 gauge steel case, reinforced, brown baked enamel finish. With multiple change lock, side catches, corner irons and leather handle, reinforced with steel core. Adapted for plasterers, paperhangers, decorators and engineemen.

	Each
No. 424—Size 24x8x14 ins	$12 75

One in carton; wt each 13 lbs.

MACHINISTS CASES, KENNEDY'S

22 gauge steel case reinforced, brown baked enamel finish. Fitted with seven drawers, lined with good quality felt so that fine tools will not come in contact with the steel. Drawers run on rails which will not break down when heavily loaded.

With multiple change lock, corner irons and brass drawer pulls.

	Each
No. 519—Size 19x8x12½ ins	$39 00

One in carton; wt each 25 lbs.

TOOL BOXES

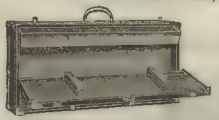
CARPENTERS BOXES, BUHRKE

Solid wood box covered with zinc, all edges bound with black enameled angle iron. All openings protected. Corners reinforced with brass plated angles. Strong lock, hinges and catches and strong ring handle. Wide enough to accommodate two planes and long enough for a full size saw.

	Each
No. 401 Size 32x15½x7 ins	$25 95

One in carton; wt each 15 lbs.

CARPENTER'S BOXES, BUHRKE

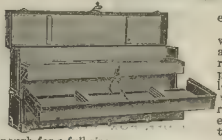


Solid wood; box and all edges covered with zinc lining; edges bound with black enameled angle iron; corners reinforced with brass plated angles; extra strong lock, hinges and catches. Wide enough to accommodate two planes and long enough for a full size saw.

	Each
No. 400—Size 32x15½x7 ins	$23 25

One in carton; wt each 12 lbs.

CARPENTER'S BOXES, BUHRKE



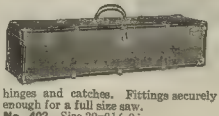
Solid wood box covered with zinc.

Edges bound with black enameled angle iron. Corners reinforced with brass plated angles. Strong lock, hinges and catches and strong ring handle. Wide enough to accomodate two planes and long enough for a full size saw.

	Each
No. 402—Size 32x15½x7 ins	$27 75

One in carton; wt each 18 lbs.

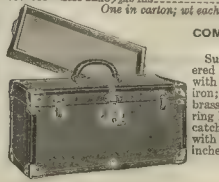
CARPENTERS SHOULDER BOXES, BUHRKE



Solid wood; main box and edges covered with zinc; edges bound with black enameled angle iron; corners reinforced with brass plated angles. Strong ring handle lock, hinges and catches. Fittings securely riveted to box. Long enough for a full size saw.

	Each
No. 403—Size 32x8½x9 ins	$17 40

One in carton; wt each 16 lbs.



COMBINATION BOXES, BUHRKE

Substantial wood box covered with zinc; edges bound with black enameled angle iron; corners reinforced with brass plated angles. Strong ring handle, lock, hinges and catches. Lined in green with green stained tray 1½ inches deep.

	Each
No. 404-21—Size 21x8½x8 ins; wt each 18 lbs	$13 50
No. 404-23—Size 23x8½x8 ins; wt each 19½ lbs	15 00

One in carton.

TOOL CHESTS COMPLETE

(Illustration of No. 65)

For Manual Training Students, Mechanics, Householders and Farmers.

36 Piece Outfit In No. 401 Chest.

Wooden chest, zinc covered; all edges bound with black enameled angle iron; fitted with ring handle, lock, catches and hinges strongly riveted to box (for illustration see page 138). Includes 36 serviceable tools as follows:

1 No. 47-1 Hatchet.
1 No. 47-26-8 Hand Saw.
1 No. 47-26-5½ Rip Saw.
1 No. 47-1½ Hammer.
1 No. 847C Coping Saw.
1 No. 249 Nest Saw.
1 No. 67 Hack Saw Frame.
1 No. 3 Stanley Plane.
1 No. 5 Stanley Plane.
1 No. 447-¼ Chisel.
1 No. 447-½ Chisel.
1 No. 447-¾ Chisel.
1 No. 447-1 Chisel.
1 No. 447-1¼ Chisel.
1 No. 447-1½ Chisel.
1 No. 377-3 Drawing Knife.
1 No. BG61½ Cold Chisel.
1 No. BG118-24 Level.
1 No. 6 Chalk Line.
1 No. 65-12 Square.
1 No. 476 Rule.
1 No. 47¼ Auger Bit.
1 No. 47⅜ Auger Bit.
1 No. 47½ Auger Bit.
1 No. 47⅝ Auger Bit.
1 No. 47¾ Auger Bit.
1 No. 1710 Bit Brace.
1 No. 35 Divider.
1 No. BG6C Stone.
1 No. 30A Screw Driver.
1 No. BG4 Screw Driver.
1 No. BG6 Screw Driver.
1 No. 1014 Stillson Wrench.
1 No. 15-1/16 Gimlet Bit.
1 No. 15-2/16 Gimlet Bit.

Per Set
No. 401-36—As described; wt per set 40 lbs **$142 50**

32 Piece Outfit In No. 404-23 Chest.

Wooden chest, zinc covered; edges and corners bound and reinforced; fitted with ring handle, lock, catches and hinges strongly riveted to box (for illustration see page No. 138). Includes 32 serviceable tools as follows:

1 No 476 Rule.
1 No. 5 Hollow Handle with Tools.
1 No. 47-18 Panel Saw.
1 No. 3 Stanley Plane.
1 No. 78 Adjustable Wrench.
1 No. 47-4 Auger Bit.
1 No. 47-6 Auger Bit.
1 No. 15-2 Gimlet Bit.
1 No. 1010 Stillson Wrench.
1 No. 65-12 Square.
1 No. BG678-24 Level.
1 No. 420-0 Riveting Hammer.
1 Pair No. 48-8 Carpenter Pinchers.
1 No. 10 Countersink.
1 No. 50-4 Screw Driver.
1 No. 47-2 Nail Hammer.
1 No. BG6½-⅝-⅝ Cold Chisel.
1 Pair No. 147-6 Pliers.
1 No. 667 Coping Saw.
1 No. 3410 Bit Brace.
1 No. 147 Sharpening Stone.
1 No. 447-½ Chisel.
1 No. 447-¾ Chisel.
1 No. 447-1 Chisel.
1 No. 8 BG-8 in Mill File.
1 No. 212 File Handle.
1 No. 024 Glass Cutter.
1 No. 247-2 Nail Set.
1 No. 45 Expansion Bit.
1 No. 1 Hand Drill.
1 No. BG6C Sharpening Stone.
1 No. 61 Marking Gauge.

Per Set
No. 404-32—As described; wt per set about 30 lbs..... **$81 00**

TOOL CHESTS COMPLETE

24 Piece Outfit In No. 403 Chest.

Wooden chest, zinc covered; edges and corners bound and reinforced; fitted with ring handle, lock, catches and hinges strongly riveted to box (for illustration see page 138). Includes 24 serviceable tools as follows:

1 No. 47 22 inch Blue Grass Hand Saw.
1 No. 47 Blue Grass Nail Hammer, size 1½.
1 No. 388 Blue Grass Bit Brace.
1 No. 20 Gimlet Bit, 5/16 in.
1 No. 47 Blue Grass Auger Bit, ¼ inch.
1 No. 47 Blue Grass Auger Bit, 5/8 inch.
1 No. 47 Blue Grass Auger Bit, ½ inch.
1 No. 47 Blue Grass Auger Bit, ¾ inch.
1 No. 421 Blue Grass Shingling Hatchet.
1 No. 20 Try Square, 6 inch.
1 No. 474 Blue Grass Rule.
1 No. 4 Hollow Handle and Tools.
1 No. 50-6 Screw Driver.
1 No. 51 Level.
1 No. 21 Trojan Wrench.
1 No. 147 Blue Grass Plier, 6 in.
1 No. 84 Washita Oil Stone.
1 No. 22 Smooth Plane.
1 No. 26 Stanley Jack Plane.
1 No. 44 Yankee Boring Tool.
1 No. 733, 50 foot Tape.
1 No. 847, ½ in. Blue Grass Socket Firmer Chisel.
1 No. 847, ¾ in. Blue Grass Socket Firmer Chisel.
1 No. 847, 1 in. Blue Grass Socket Firmer Chisel.

Per Set
No. 65—As described; wt per set about 24 lbs **$85 50**

20 Piece Outfit In No. 403 Chest.

Wooden chest, zinc covered; edges and corners bound and reinforced; fitted with ring handle, lock, catches and hinges strongly riveted to box (for illustration see page No. 138). Includes 20 serviceable tools as follows:

1 No. 49 Pine Knot Panel Saw, 20 inch.
1 No. 811½ Pine Knot Nail Hammer.
1 No. 3410 Bit Brace.
1 No. 20 Gimlet Bit.
1 No. PK21 Pine Knot Auger Bit, 5/16 inch.
1 No. PK21 Pine Knot Auger Bit, ¾ inch.
1 No. PK21Pine Knot Auger Bit, ½ inch.
1 No. PK21 Pine Knot Auger Bit, ¾ inch.
1 No. 730-25 Foot Tape.
1 No. 20 Try Square, 4½ inch.
1 No. 476 Rule.
1 No. 4 Hollow Handle and Tools.
1 No. 60 Pine Knot Screw Driver, 5 inch.
1 No. 200-12 Plumb and Level.
1 No. 120 Smooth Plane.
1 No. 31 Trojan Wrench.
1 No. 701 Pine Knot Plier, 6 in.
1 No. 181 Washita Oil Stone.
1 No. 41 Yankee Boring Tool.
1 No. 421 Blue Grass Shingling Hatchet.

Per Set
No. 67—As described; wt per set about 24 lbs..... **$64 00**

19 Piece Outfit In No. 403 Chest.

Wooden chest, zinc covered; edges and corners bound and reinforced; fitted with ring handle, lock, catches and hinges strongly riveted to box (for illustration see page No. 138). Includes 19 serviceable tools as follows:

1 No. 49 Pine Knot Panel Saw, 20 inch.
1 No. 11½K Keystone Nail Hammer.
1 No. 270 Bit Brace.
1 No. 20 Gimlet Bit.
1 No. PK21 Auger Bit, 5/16.
1 No. PK21 Auger Bit, ⅜.
1 No. PK21 Auger Bit, ½.
1 No. PK21 Auger Bit, ⅝.
1 No. 421 Blue Grass Shingling Hatchet.
1 No. 12 Try Square, 4 inch.
1 No. 5 Hollow Handle and Tools.
1 No. 1 Screw Driver, 5 inch.
1 No. 150 Level.
1 No. 21 Trojan Wrench.
1 No. 68 Rule.
1 No. 40 Pine Knot Plier, 6 in.
1 Washita Oil Stone, No. 84.
1 No. 120 Smooth Plane.
1 No. 710 Ass Skin Tape, 25 foot.

Per Set
No. 63—As described; wt per set about 24 lbs..... **$45 00**

TOOL CHESTS COMPLETE

(Illustration of No. 32-19.)

These sets are especially intended for home use, on the farm, manual training students, etc. Made up by us of strictly serviceable tools. They are packed in our No. 32 tool box which is made of high grade steel, black enameled, fitted with riveted hinges; welded concealed lock and steel tray (as illustrated above).

16 Piece Outfit In No. 32 Chest.

1 No. 401-1¼ Hammer.
1 No. 47-18 Panel Saw.
1 No. 120 Block Plane.
1 No. 430-¾ Cusel.
1 No. 200-12 Level.
1 No. 6 Chalk Line.
1 No. 68 Rule.
1 No. 300 Bit Brace.
1 No. PK21-¼ Auger Bit.
1 No. PK21-½ Auger Bit.
1 No. 47 Carpenter's Apron.
1 No. 48-6 Carpenter's Pinchers.
1 No. 9110 Shingling Hatchet.
1 Chalk Line Reel.
1 No. 741 J Vise.
1 Pair No. 700 Pliers.

Per Set
No. 32-16—As described; wt per set about 20 lbs **$37 50**

19 Piece Outfit In No. 32 Chest.

1 No. H8524 Zig-Zag Rule.
1 No. 5 Hollow Handle with Tools.
1 No. 47-18 Panel Saw.
1 No. 120 Stanley Block Plane.
1 No. 3410 Bit Brace.
1 No. 147 Sharpening Stone.
1 No. 11T-6 Try Square.
1 No. 024 Glass Cutter.
1 No. 47-1½ Nail Hammer.
1 No. 147-6 Pliers.
1 No. BG6-¼ Blue Grass Cold Chisel.
1 No. 667C Coping Saw.
1 No. 50-4 Screw Driver.
1 No. 47 ¼ Auger Bit.
1 No. 47-½ Auger Bit.
1 No. 15-2 Gimlet Bit.
1 No. 347-⅜ Wood Chisel.
1 No. 9110 Shingling Hatchet.
1 No. 47 Carpenter Apron.

Per Set
No. 32-19—As described; wt per set about 20 lbs **$39 00**

12 Piece Outfit In No. 32 Chest.

1 No. H8524 Zig-Zag Rule.
1 No. 401-2 Nail Hammer.
1 Pair No. 147-6 Pliers.
1 No. 9110 Hatchet.
1 No. 47 18 Panel Saw.
1 No. 021 Glass Cutter.
1 No. 447-¾ Chisel.
1 No. 5 Hollow Handle with Tools.
1 No. BG6-¼ Blue Grass Cold Chisel.
1 No. 50-4 Screw Driver.
1 No. 667C Coping Saw.
1 No. 247-2 Nail Set. Per Set

No. 32-12 As described; wt per set about 18 lbs..... **$25 50**

14 Piece Outfit In No. 32 Chest.

1 No. 22 Keystone Hatchet.
1 No. C2-½ Hammer.
1 No. 301P-18 Panel Saw.
1 No. 667C Coping Saw.
1 No. 11 Stanley Plane.
1 No. 150 Level.
1 No. 430-¼ Chisel.
1 No. 1 Plumb Bob.
1 No. 68 Rule.
1 No. 012 Gimlet Bit.
1 No. 2530-3 Screw Driver.
1 Pair No. 700-6 Pliers.
1 only No. 109 Wrenches.
1 No. BG6-½ Cold Chisel.

Per Set
No. 32-14— As described; wt per set about 18 lbs..... **$19 50**

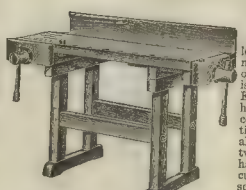
WORK BENCHES

MANUAL TRAINING

Built from selected hard white maple. Frame is oiled and top finished in shellac. The back-board may be dropped down flush with top, or kept in position as shown. The entire leg and gist construction drawn up firmly with ⅝x5 in. draw bolts.

Each
No. 7—Height 32 ins; top 42x20x1¾ ins; length over all 48 ins; working top 18 ins wide; tool recess 7 ins wide **$51 00**

Crated; shipping wt each 105 lbs.

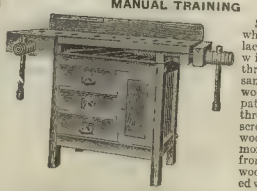


Built from selected hard white maple. Frame is oiled and top finished in shellac. Equipped with high back, tool recess and holes mortised for stops along the front, two wood vises having patent saw cut threaded bench screws.

Each
No. 4—Height 32 ins; top 48x22x1¾ ins; length over all 56 ins; working top 13½ ins wide; tool recess 8½ ins wide..... **$57 00**

Crated; shipping wt each 128 lbs.

MANUAL TRAINING



Selected hard white maple, shellaced. Equipped with cupboard, three drawers all same size, two wood vises having patent saw cut threaded bench screws. Holes for wood stops are mortised near the front; two spring wood stops furnished with each bench.

Each
No. 13—Height 32 ins; top 48x22x1¾ ins; length over all 56 ins; working top 13½ ins wide; tool recess 8½ ins wide; drawers 18x16x5 ins; cupboard 18½x18 ¼x10 in **$93 00**

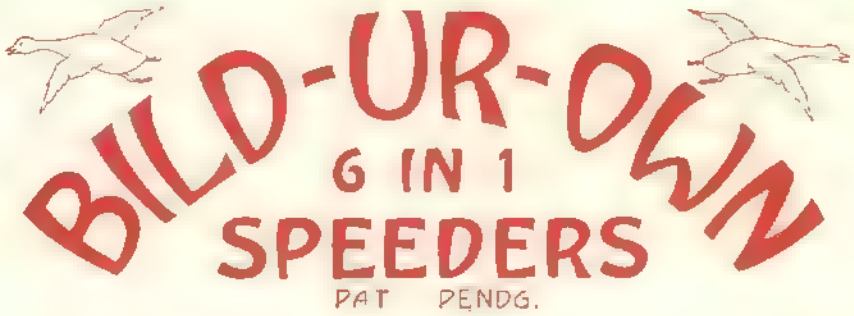
Crated; shipping wt each 190 lbs.

A SENSATION
IN CONSTRUCTION SETS

After two years of experimenting and tooling up for quantity production we offer what we predict will be one of the biggest sellers in the toy field.

Every boy would rather build his own wagon or scooter than to buy one even though it is made out of a soap box and a set of old wheels. Now he can not only have the fun of building six different speeders with the "BILD-UR-OWN" set, but he will be proud of every one of them because they are as fine as any that he has ever seen completely assembled. Boys will want the "BILD-UR-OWN" Speeders with their beautiful design, finish and sturdiness.

SIX SPEEDERS FOR THE COST OF ONE



THE SEASON'S LEADING NUMBER

WILL BE POPULAR WITH DEALERS

because of the unusual consumer appeal—putting the wheel-goods line back on a staple and profitable basis.

The "BILD-UR-OWN" is packed in attractively labeled, easily stored boxes that are sold as received. No assembly is necessary.

Let us send you our liberal dealer proposition

MACAVOY MANUFACTURING CO.

105 WEST 40TH STREET
NEW YORK

TELEPHONE PENNSYLAVNIA 0419

FACTORY: BROOKLYN, N. Y

SIX HUSKY SPEEDERS

CAN BE CONSTRUCTED FROM THE PARTS IN ONE BOX

Any Boy Can Build Them in a Few Minutes

Just what the boys have been waiting for. Full sized speeders that a boy can build himself. Not little toys, but real husky, full-sized wagons and speedy racers that he can put together or take apart in a few minutes. Not convertible freakish models, but standard units, the same as a factory would assemble.

Big enough for the biggest boy and strong enough to carry the whole family.

MACAVOY
MANUFACTURING CO.
105 WEST 40TH STREET
NEW YORK
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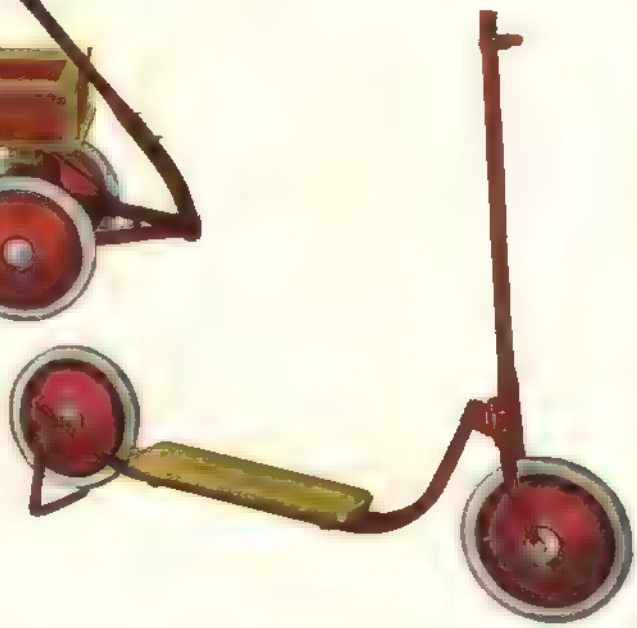
FACTORY BROOKLYN N Y

EACH A STANDARD UNIT

Just as sturdy and handsome as the finest assembled ones



SPECIFICATIONS

Wagon body, 36″ x 16″, made of beautifully finished selected hard wood.

Heavy double disc wheels with ¼″ x 2¼″ Roller bearings.

Big 1″ Balloonette Tires.

Heavy, all-steel chassis on all models.

Beautiful lustre finish on all steel parts.

Complete instructions for assembling.

Parts to build six speeders packed complete, with all necessary nuts, bolts and tools, in a box 36″ x 16″ x 5″.

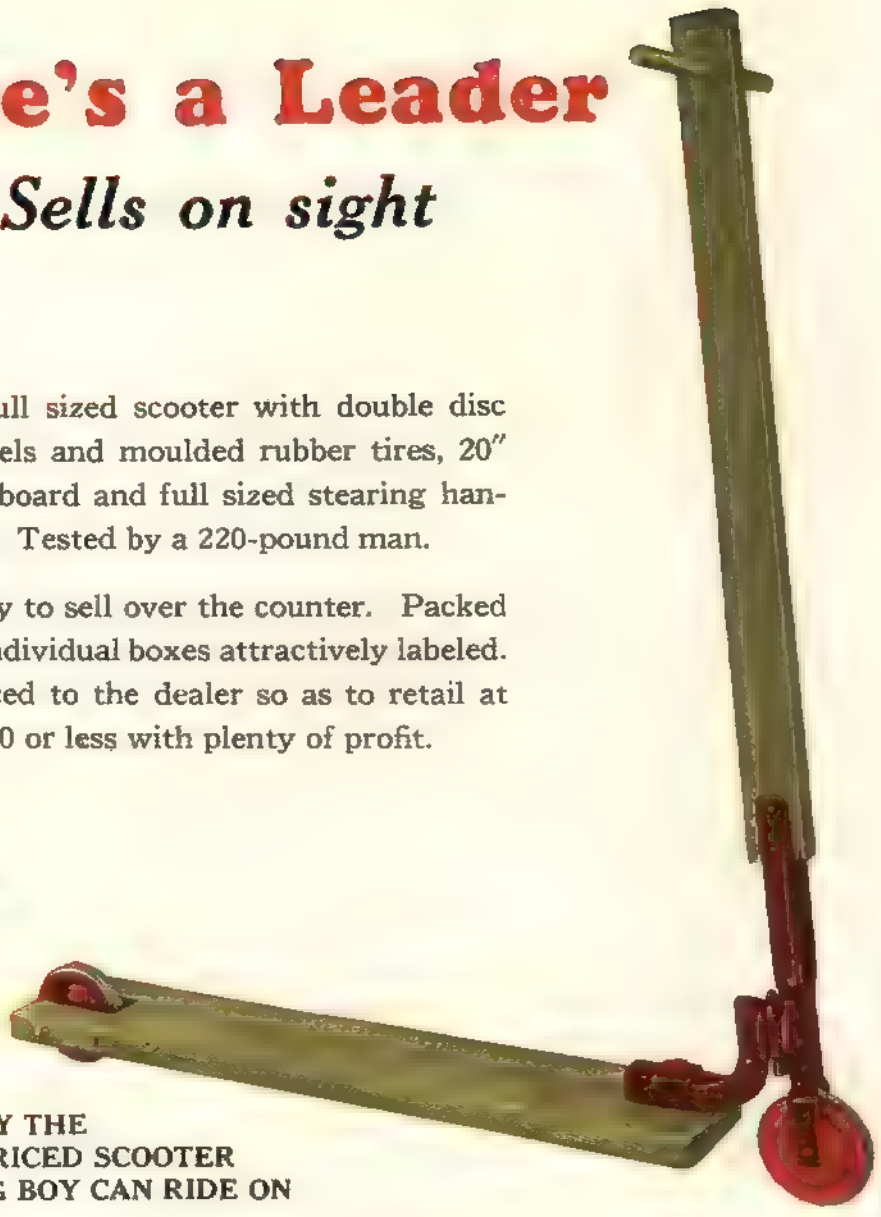
MACAVOY
MANUFACTURING CO.
105 WEST 40TH STREET
NEW YORK
TELEPHONE PENNSYLVANIA 6415
FACTORY BROOKLYN, N. Y.

Here's a Leader

Sells on sight

A full sized scooter with double disc wheels and moulded rubber tires, 20″ footboard and full sized stearing handle. Tested by a 220-pound man.

Easy to sell over the counter. Packed in individual boxes attractively labeled. Priced to the dealer so as to retail at $1.00 or less with plenty of profit.



**POSITIVELY THE
LOWEST PRICED SCOOTER
THAT A BIG BOY CAN RIDE ON**

MACAVOY MANUFACTURING CO.

105 WEST 40TH STREET
NEW YORK

TELEPHONE PENNSYLVANIA 0419

FACTORY: BROOKLYN, N. Y.

EVERY HOME NEEDS A MODERN PERCOLATOR SET

MANNING-BOWMAN'S NEW FUSELINK CUTOUT
A Protective Device that Never Fails!

1. If the percolator boils dry, the current is automatically "turned off" without arcing. The new device insures the percolator from melting.
2. Its simplicity allows replacement of fuse without tools—no waiting for repairs.
3. Fuse will NOT "shut off" while percolator contains water. Works as soon as dry.
4. An extra fuse **attached** to the percolator makes it available for replacement when needed.
5. The only percolator that can be repaired and a new element replaced with a screw-driver.

Colonial Style

Butler finished, nickel silver, silver plated Percolator Set with roundac chased design on all pieces. Capacity of percolator 8 cups

H6399. Set $97.85
H6400. Percolator only. Each 47.35

Grecian Urn Percolator Set

Nickel Plated Set complete, four pieces: 9 cup urn, 8 oz. covered sugar, 8 oz. gold lined cream, 15x20 in. metal tray with pierced handles.

H6401. Each $59.00

New Colonial Electric Percolator Set, Four Pieces

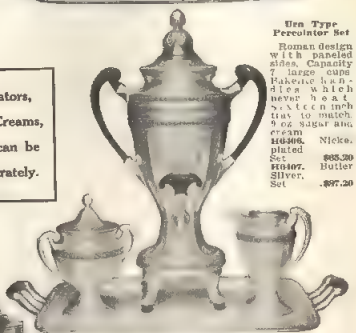
9 cup percolator ebonized wood handles, cut cover, 8 oz. gold lined sugar and cream, 14x20 in. tray

H6402. Set, Nickel Plated. $65.20
H6403. Set, Polished Copper 70.20

Percolator Only

H6404. Nickel Plated $35.50
H6405. Polished Copper 37.00

All Percolators, Sugar and Creams, and Trays can be bought separately.



Urn Type Percolator Set

Roman design with paneled sides. Capacity 7 large cups. Fahnestock handles which never heat. Sixteen inch tray to match. 6 oz. sugar and cream.

H6406. Nickel plated Set $65.20
H6407. Butler Silver. Set 397.20

Electric Percolator Set

Four pieces complete. 7-cup percolator with ebonized handles. Gold lined sugar and cream, and 14 inch tray to match.

H6408. Set Complete, Nickel Plated $31.20

Electric Percolator Set

This set is indeed something you have been looking for. The set consists of a nine-cup paneled and beautifully plated urn, sugar and cream to match and a 14" round tray. The sugar and cream are heavily gold lined. All are finished in the famous MANNING-BOWMAN nickel plate and the percolator is protected against damage if it should boil dry by the patented MANNING-BOWMAN fuse link protective device.

H6409. Set $33.00

Electric Percolator Set

Four pieces, consisting of 10 cup percolator, 7 ounce sugar and cream, 14 inch round tray

H6410. Set, Nickel Plated.. $42.85
H6411. Set, Polished Copper. . . 46.10
H6412. Percolator, Nickel Plated 26.25
H6413. Percolator, Polished Copper 30.50

ELECTRIC PERCOLATORS IN OVERLAID SILVER

Universal Silver Overlaid in Electric Silver Plated on the highest quality of solid white nickel silver, which because of its hardness is superior to other base metals. All articles on this page have the special "Butler" or dull satin finish except those which are chased and bright finished

Special Voltages Any of our heating and cooking devices listed here can be furnished at any voltage from 32 volts up. When over 120 volts or below 110 and 50 cycles are wanted, above 250 volts add 3% to price

Immersion Heaters and multiple heat dish stoves and disc stove chafers can not be supplied in 32 volts. Push Button switch irons can be supplied only for voltages from 95 to 124.

We carry in stock standard 110 volt goods, other voltages furnished to order only

"Universal" Westminster Pattern Electric Percolator

Silver overlaid on solid nickel silver and ornamented Adam design Coil metal base Fitted bail feet and glass top

H6414. Capacity 6 cups or 3 Pints Each $31.20

Four-Piece Universal Grecian Electric Coffee Machine Set

Silver Overlaid On Nickel Silver, Butler Finish

Urn capacity 9 cups. Height 14 inches

H6415.	Tea set	$86.70
H6416.	Sugar bowl	23.50
H6417.	Cream Pitcher	29.30
H6418.	Tray Each	43.80
H6419.	Coffee Urn 12 cup	

"Universal" Electric Cavalier Pattern Percolator Silver overlaid on solid nickel silver Bright finish metal base and cut glass top

H6421 Capacity 3 pints 6 cups Each $36.50

"Universal" Electric Coffee Percolator

Farmington Pattern

Silver overlaid on solid nickel silver Metal saddle handles

H6420 Capacity 6 cups Each $40.10

"Universal" Electric Percolator Set Westminster Pattern

Silver Overlaid on Nickel Silver

French gray, butler finish Adam design Ivory feet handles and knob and cut glass top Tray is 24x15 inches and has metal handles Sugar and cream have metal handles Capacity of percolator 4 pints or 8 cups

H6422.	4 piece Set Complete	$114.85
H6423.	Percolator only Each	57.50
H6424.	Sugar and Creamer Pair	22.50
H6425.	Tray only Each	34.85

"Universal" Electric Athenian Pattern—4-Piece Coffee Percolating Tea Set

Hammered Finish Silver Overlaid on Solid Nickel Silver Metal Handles, Ivory Feet and Faucet Handle. 13 by 20 inch Oval Tray. Capacity of Urn—4 Pints or 8 Cups

H6426.	4-Piece Set	$89.70
H6427.	Urn only	Each 57.50
H6428.	Sugar and creamer	Pair 24.50
H6429.	Tray	Each 23.00

You'll Use Them Every Day

THEIR BEAUTY IS GUARANTEED TO LAST

"Universal" Electric Cavalier Pattern 4-Piece Coffee Percolating Urn Set

Silver Overlaid on Solid Nickel Silver Metal Handles, Rhomboid Finial and Pearl Handle. 14 Inch Round Tray with Metal Handles.

H6430.	4-Piece Urn Set, Capacity of Urn 8 Pints or 64 Cups	$85.10
H6431.	4-Piece Urn Set, Capacity of Urn 6 Pints or 48 Cups	80.30
H6432.	Urn Only, Cap. 64 Cups	41.30
H6433.	Urn Only, Cap. 48 Cups	43.90
H6434.	Sugar and Creamer, Pair	20.90
H6435.	Tray, Each	20.90

"Universal" Electric Old English Pattern DeLuxe Percolator Set

Nickel plated on copper. Cut glass top. Ivory wood handles and knob. Capacity of urn 4 pints or 32 cups.

H6436.	4-Piece Set	$70.00
H6437.	Urn only, Each	39.00
H6438.	Sugar and Creamer, Per Pair	17.00
H6439.	12x18 Inch Tray, Each	14.00

"Universal" Farmington Pattern 4-Piece Percolating Urn Set

Nickel Plated on Solid Nickel Silver Base. Carved Bakelite Handles. Fancy Glass Top. Capacity of Percolator 8 Cups or 4 Pints. Size of Tray 14x18 Inches.

H6440.	4-Piece Set	$80.80
H6441.	Percolator only	45.70
H6442.	Tray only	13.85
H6443.	Sugar and Creamer	21.25

"Universal" Electric Monticello Pattern 4-Piece Coffee Percolating Urn Set

Nickel Plated on Copper. Metal Handles. Fabrikoid Feet. Ebony Barrel Handle. 12x18 Oval Tray with Metal Handles. Capacity of Urn 4 Pints or 32 Cups. Capacity of Sugar Bowl 15 Cups. Capacity of Cream Pitcher 8 Ounces.

H6444.	4-Piece Set	$84.70
H6445.	Urn only	Each 49.89
H6446.	Sugar and Creamer	Pair 21.35
H6447.	Tray	Each. 13.85

"Universal" Electric Marie Antoinette Pattern 4-Piece Coffee Percolating Urn Set

Nickel Plated on Copper. Metal Handles. Fibre Ball Feet. Ebony Barrel Handles. 13 by 20 Inch Oval Tray. Capacity of Urn 4 Pints or 32 Cups.

H6448.	4-Piece Set	$81.50
H6449.	Urn Only	Each. 33.20
H6450.	Sugar and Creamer	Pair. 16.30
H6451.	Tray	Each. 11.90

SETS OF THE FAMOUS "UNIVERSAL" LINE

MADE BY LANDERS, FRARY & CLARK

"UNIVERSAL" ELECTRIC BREAKFAST SET

Old English chased pattern. Percolator has cut glass top. Nickel plated on copper. Ebonized handles, knobs and feet on toaster and percolator. 12x18 inch tray, sugar and creamer have metal handles. Capacity of percolator 3 pints or 6 cups. Toaster takes large slice of bread, 5¼x5¼ in.

H6452.	4-Piece Set	$48.05
H6453.	Percolator, Each	22.40
H6454.	Toaster Each	12.75
H6455.	Sugar And Creamer Per Pair	17.00
H6456.	Tray only Each	14.90

"UNIVERSAL" ELECTRIC COFFEE PERCOLATING URN

Made of copper, ebonwood handles. Capacity 3 pints or 6 cups

H6457.	Nickel Plated Each	$25.50
	Capacity 4 pints or 9 cups	
H6458.	Nickel Plated. Each	27.60

"UNIVERSAL" ELECTRIC COFFEE PERCOLATOR

Dutch Colonial Pattern Paneled Copper Bodies. Capacity 3 pints or 6 cups

H6459. Nickel Plated ..... Each, $20.50

"UNIVERSAL" ELECTRIC SHAVING MUG

Heat shaving water in two minutes from any light socket. Equipped with patented UNIVERSAL Safety Fuse Plug. Capacity ½ pint. Height over all 4 in.

H6460. Each $10.65

"UNIVERSAL" ELECTRIC COFFEE PERCOLATOR

Made of heavy paneled aluminum, one piece spout brazed to body. Ebonized handles, fibre feet. Capacity 6 cups or 3 pints

H6461.	Finely Polished ..... Each,	$12.05
	Capacity 9 cups or 4 pints.	
H6462.	Finely Polished ..... Each,	12.75

"UNIVERSAL" ELECTRIC LEXINGTON PATTERN 4-PIECE COFFEE PERCOLATING SET

Nickel Plated on Copper. Ebonized Handles and Feet. 14 inch Round Tray. Capacity of Percolator 3 Pints or 6 Cups.

H6471.	4-Piece Set	$37.80
H6472.	Percolator Only Ea.,	16.50
H6473.	Sugar & Creamer Ea.,	15.00
H6474.	Tray Ea.,	5.70

"UNIVERSAL" ELECTRIC LEXINGTON PATTERN 4-PIECE COFFEE PERCOLATING URN SET

Nickel Plated on Copper. Ebonized Handles and Feet. 14 Inch Round Tray. Capacity of Urn, 4 Pints or 9 Cups.

H6463.	4-Piece Set	$48.90
H6464.	Urn Only Each,	27.60
H6465.	Sugar and Creamer Pair	15.90
H6466.	Tray Each,	5.70

"UNIVERSAL" ELECTRIC CONTINENTAL PATTERN 4-PIECE COFFEE PERCOLATING SET

Nickel Plated on Copper. Fibre Handles and Feet. 14 Inch Round Tray. Capacity of Percolator, 6 Cups.

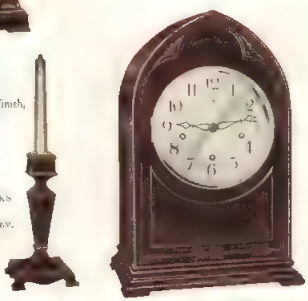
H6467.	4-Piece Set	$35.80
H6468.	Percolator Only Each,	14.15
H6469.	Sugar and Creamer Pair,	6.80
H6470.	Tray Each,	4.65

FULL WESTMINSTER CHIMES

Chimes on four silver-toned rods—at the first quarter, half hour, third quarter and hour. The hour is struck on a separate rod of deep mellow tone. Eight-day, self adjusting chime and strike, with easily removable main springs. Chime may be silenced by shut-off switch. The flexible steel-feather pendulum is an exclusive patented feature found only in New Haven Chimes.
Solid Mahogany, Hand Rubbed Cases, Cast Sash, Convex Beveled Glass, Art Skeleton Hands

ANDOVER
Height 18 inches
Width [illegible]
Dial [illegible]
Case, Solid Mahogany, Antique Finish, Back Columns and Base, Raised Gold Numerals
$98.00

WINCHESTER
Height 10¾ inches. Width [illegible] Dial [illegible]
Case, Antique Mahogany, Bronze Sash [illegible] $[illegible]
Case, Antique Mahogany, Gold Swt. Raised Gold Numerals $[illegible]



INGLEWOOD
Height, 11½ in. Width, 8⅞ in.
Dial [illegible]
Bronze Sash, Etched Silvered Dial
$[illegible]
Gold Sash, Raised Gold Numerals $62.50

NO. 3817 CANDLE STICKS
Height, 9 inches
Regular or Antique Mahogany,
$8.40 pair

PARAGON CANDLE STICKS
Height, 9 inches
Regular or Antique Mahogany,
$[illegible] pair

EXETER
Height 9¾ inches. Width, 20½ inches. Dial, 6½ inches
Case, Antique Mahogany, Gold Sash, Raised Gold Numerals, $87.50

ABBEY
Height, 15¾ in. Width, 10¼ in. Dial, 5 in. Bronze Sash, Etched Silver Dial $[illegible]0
Case Antique Mahogany Gold Sash, Raised Gold Numerals, $98.00

FULL WESTMINSTER CHIMES

Solid Mahogany, Hand Rubbed Cases, Cast Sash, Convex Beveled Glass, Art Skeleton Hands

ORLEANS

Height, 9⅛ inches Width, 20½ inches Dial, 6 inches
Front pillars, [illegible] tone effect
Antique Mahogany Gold Sash, raised gold numerals $71.00

MELROSE

Height, 9⅛ inches Width, 20½ inches Dial, 6 inches
Front pillars, [illegible] tone effect
Antique Mahogany Gold Sash, raised gold numerals $71.00

INGOMAR

Height, 10⅛ inches Width, 20½ inches Dial, 6 inches
Brass Sash, [illegible] hands $64.00
Case Antique Mahogany, gold sash, raised gold numerals $98.00

SALISBURY

Height, 9⅞ inches Width, 21 inches Dial, 6 inches
Brass Sash, [illegible] $64.00
Gold Sash, raised gold numerals $62.50

HARKNESS

Height, 9¼ inches Width, 21 inches Dial, 6 inches
Brass Sash, silver finished dial $64.00
Gold Sash, raised gold numerals $62.50

LINCOLN

Height, 9¼ inches Width, 21 inches Dial, 6 inches
Brass Sash, silver finished dial $49.00
Gold Sash, raised gold numerals $62.50

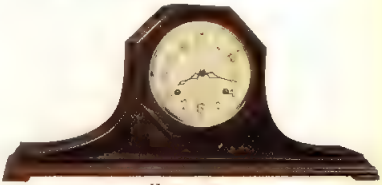
HARMONY DUO-STRIKE MAHOGANY FINISH TAMBOURS

Eight-Day Duo-Strike Movement, self-adjusting strike, removable springs, hour and half-hour strike
Five and one-half inch silver dial with raised gold numerals, gold cast sash, dark skeleton hands
Strikes on two silver-toned rods

HARMONIC
Height, 9¼ inches Width, 20 inches
Raised Gold Numerals, bronze hands, gold cast sash $24.00

HARMONY
Height, 9¼ inches Width, 20 inches
Raised Gold Numerals, bronze hands, gold cast sash $24.00

HARMONIOUS
Height, 9¼ inches Width, 20 inches
Raised Gold Numerals, bronze hands, gold cast sash $24.00



HARMONISTE
Height, 9¼ inches Width, 20 inches
Raised Gold Numerals, bronze hands, gold cast sash $24.00

SOLID MAHOGANY TAMBOURS WITH HARMONY DUO-STRIKE

Eight-Day Duo-Strike Movement, self-adjusting strike, removable springs, hour and half-hour strike
Five and one-half inch silver dial with raised gold numerals, gold cast sash, dark skeleton hands
Strikes on two silver-toned rods

TAMBOUR 119
Height, 9¼ inches Width, 20 inches
Solid Mahogany Case $35.00

TAMBOUR 124
Height, 9¼ inches Width, 20 inches
Antique Mahogany, black panels and base $41.50

TAMBOUR 125
Height, 9¼ inches Width, 20 inches
Antique Mahogany, black panels and base $41.50

TAMBOUR 126
Height, 9¼ inches Width, 20 inches
Antique Mahogany Case $41.50

MAHOGANY-FINISHED TAMBOURS

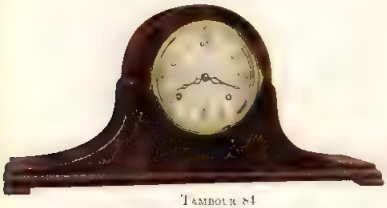
Eight day, hour and half-hour rod strike, 5½ inch silver dial, curved glass, cloisonné numerals. Cases are hand rubbed, dull mahogany finish. Art skeleton hands. Neat Designed Dash

TAMBOUR 80

Height, 9¾ inches. Width, 20 inches
Silver Dial, Gold Seal $13.50

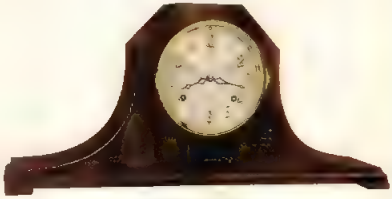
TAMBOUR 81

Height, 9¾ inches. Width, 21 inches
Silver Dial, Gold Seal $15.00



TAMBOUR 84

Height, 9¾ inches. Width, 20 inches
Rosewood finish. Gold Seal $16.00



TAMBOUR 86

Height, 9¾ inches. Width, 20 inches
Rosewood finish. Gold Seal $17.00

COLONIAL CLOCKS

Mahogany Finished Cases with Attractive Dials and Decorated Panels

VERMONT

Height, 14 inches
Width, 9 inches
5½ inch Silvered Metal Dial
Movement, 8 Day Pendulum
Rod Strike
Skeleton Hands
$18.50

VIRGINIA

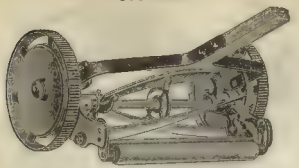
Height, 15 inches
Width, 9 inches
5½ inch Gold Seal Silvered Dial
Movement, 8 Day Pendulum
Rod Strike
Skeleton Hands
$16.20

VERNON

Height, 15½ inches
Width, 9 inches
5½ inch Gold Seal Dial
Movement, 8 Day Pendulum
Red Strike
Glass Panel, Skeleton Hands
$16.20

LAWN MOWERS

—CYCLONE—



Plain Bearing, With Set Screw Adjustment.

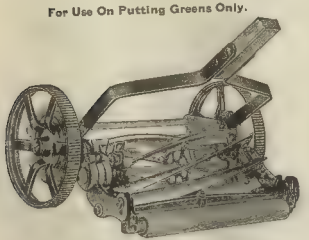
Low wheel, 8 inches, cutter 5½ inches in diameter, three revolving steel blades, spring steel bed knife; perfect in action. Finished in red and silver with gold stripe.

Nos.	C400A-12	C400A-14	C400A-16	C400A-18
Width cut, ins.	12	14	16	18
Wt each boxed, lbs	37	39	40	43
Each	$15 00	15 75	16 50	17 25

One in wood box, handle loose.

GOLF KING

For Use On Putting Greens Only.



Ball-Bearing; Triple Gear; 7 Blades.

All blades crucible cast steel; patented adjustment for center of stationary knife as well as each end; drives from both ends; noiseless and light running; all friction reduced to a minimum; spoked wheels; seven revolving blades; stationary knife-bar mounted on steel cones; all blades tempered in oil; four complete sets of ball-bearings; patented ball retainer; ball-bearing cups and cones, will never wear or require adjustment; hardwood roller; special arrangement of handle for terrace cutting.

Diameter wheels, 10 inches; diameter cutter 6 inches. Finished in blue, silver and gold; varnished hardwood handle.

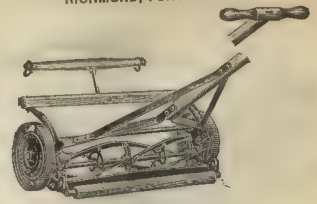
Nos.	7-14	7-16	7-18	7-20
Width cut, ins.	14	16	18	20
Wt each boxed, lbs	60	65	70	75
Each	✣$53 25	✣60 75	64 50	✣68 00

One in wood box, handle loose.

✣F. O. B. Indiana Factory Only.

LAWN MOWERS

RICHMOND, PONY DRAWN



Ball-Bearing.

A Splendid Mower for Large Lawns.

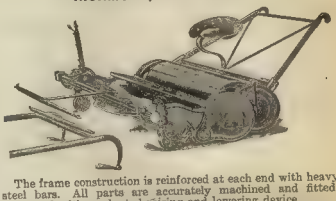
The lower straight blade is of the laid steel pattern, very heavy; guaranteed the very best blade in use. Mower can be used by one man in ordinary grass; the dray attachment can be removed without trouble; light running and durable.

Finished in gold bronze and emerald green enamel with red trimmings.

No.	31
Width, cut, ins.	31
Wt each, lbs	80
Each	$118 50

Crated.

RICHMOND, HORSE DRAWN



The frame construction is reinforced at each end with heavy steel bars. All parts are accurately machined and fitted. Equipped with graduated raising and lowering device.

Both the bottom knife and the reel are demountable without disturbing the frame of the mower. Reel bearings turn in adjustable split brass bushings. Four revolving blades, 1/16 inch in thickness are of the best knife steel obtainable, vanadium-crucible analysis oil tempered. Double riveted malleable reel braces throughout.

Fitted with train of three gears and durable triple pawl ratchets. Diameter of drive rollers 15 inches. Reel is 8 inches in diameter and is quickly adjusted to the stationary or bottom knife. The adjusting screws are easily accessible.

Finished in bright green and red with gold bronze trimmings. Fully equipped with seat, shafts and side-draft attachments.

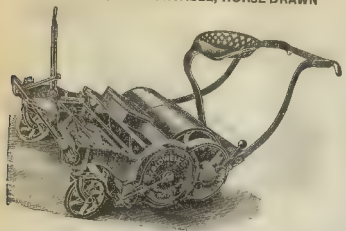
Nos.	30R	35R
Width cut, ins.	30	35
Wt each crated, lbs	740	790
Each	✣$342 00	✣$360 00

Crated.

✣F. O. B. Indiana Factory Only.

LAWN MOWERS

COLDWELL, DEMOUNTABLE, HORSE DRAWN



Frame construction is reinforced at each end with heavy steel bars. All parts are accurately machined and fitted. Equipped with double triple pawl rachets between rollers, adjustable split bronze bearings and a simple mechanism which throws the revolving cutters in and out of gear. Cutter section is made into a unit which is independent and removable from frame of mower. This unit itself consists of a frame containing the revolving cutter, bottom knife and adjustments, all this is attached to main frame and held securely in place by four locking screws.

6 BLADES

Nos.	CD30-6	CD35-6	CD40-6
Width cut, ins	30	35	40
Wt each, lbs	1150	1200	1250
Each	✣$480 00	✣540 00	✣603 00

Crated.

4 BLADES

Nos.	CD30-4	CD35-4	CD40-4
Width cut, ins	30	35	40
Wt each, lbs	1075	1100	1125
Each	✣$441 00	✣507 00	✣567 00

Crated.

EXTRA CUTTER UNITS

	For 6 Blade.			For 4 Blade.		
Nos.	EC6-30	EC6-35	EC6-40	EC4-30	EC4-35	EC4-40
Wt each, lbs	685	700	715	650	665	680
Each	✣$174 75	✣189 00	✣198 00	✣138 75	✣153 00	✣163 50

Crated.

HORSE BOOTS

	Per Set
No. HB—Set of 4	✣$63 00

Crated.

SHAFTS FOR MOWERS

	Each
No. LMS—Wt per pair, 15 lbs	✣$46 50

Crated.

✣F. O. B. New York Factory Only.

LAWN MOWERS

TOWNSEND'S, HORSE DRAWN

Fitted with triple rolls, having triple pawls in each roll, making the most powerful and instantaneous driving mechanism ever put into a mower; this feature maintains the motion of blades even in turning sharp corners, where in other mowers the blades remain stationary. It will cut over rough and uneven ground, and cuts its swath clean, easily and smoothly. Instant change of height of cut can be made.

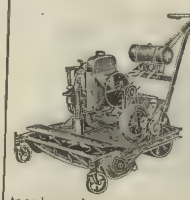
Finished in light blue with gold bronze trimmings; furnished with tool box, seat, handles, shafts and side bar attachments.

Nos.	10	12	15
Width cut, ins	30	35	38
Wt each crated, lbs	755	794	825
Each	✣$291 00	✣309 00	✣324 00

Crated.

MOTOR LAWN MOWERS

COLDWELL, MOTOR TYPE



Equipped with five revolving crucible steel cutting knives and roller, knives and roller being of the same width insure uniform rolling with each cutting. Fuller and Johnston Single cylinder 4 cycle battery ignition; hopper cooled 3½ horse power S. A. E. engine; Carburetor and Dixie Magneto. Hand control with enough reserve power to make it possible to cut close to and around trees, walks and driveways. The cutting knives are controlled and operated by power transmitted directly from motor independently of the drive roller.

Model L

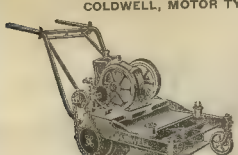
No.	L25
Width of cut, ins	25
Diam of revolving cutter, ins	6
Diam of drive roller, ins	8
Adjustment for height cut, ins	⅜ to 2
Fuel consumption per day, gal	4
Bore, ins	3
Stroke, ins	3
Shipping wt, lbs	400
Each	✣$1050 00

Crated.

✣Townsend's—F. O. B. New Jersey Factory Only.

✣Coldwell—F. O. B. New York Factory Only.

MOTOR LAWN MOWERS
COLDWELL, MOTOR TYPE

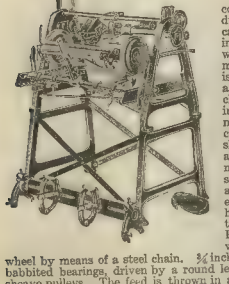


Lever control transmission to revolving cutters and drive roller; roller and knives are of the same width, which insures a proper and uniform rolling of the entire lawn with each cutting, and can be used as a motor roller alone when desired. Equipped with single cylinder, hopper cooled four cycle, battery ignition engine.

Nos.	Model H H30	Model G 635
Width of cut, ins	30	35
Diam of cutter, ins	7½	7½
Cut adjustment, ins	½ to 7	½ to 7
Cutting capacity, acres per day	6	8
Shipping wt each, lbs	1100	1200
Each	✤$1275 00	✤$1425 00

Crated.

LAWN MOWER SHARPENERS
IDEAL



Angle iron frame construction. Alundum grinding wheel carried on a ball-bearing hub by an arm with bearings on the main shaft. The arm is counterbalanced by a weight at rear of machine and the grinding wheel is free to move up and down, carried along main shaft by feed screw and sliding head. The main driving shaft is special steel, ground and polished, key seated so as to drive the hub mounted between the bearings of arm. Hub carries a sprocket which drives grinding wheel by means of a steel chain. ¾ inch feed screw carried in babbited bearings, driven by a round leather belt over large sheave pulleys. The feed is thrown in and out by means of an improved belt shifter which locks itself in either position.

	Each
Frame of grinding wheel, ins	24
Size grinding wheel, ins	5x⅝
Height over all, ins	63
Length over all, ins	44
Width, ins	30
Diam main shaft, ins	1¼
Tight and loose pulleys, ins	4x1⅜
Speed pulley, R. P. M	1400
Speed large hand wheel, H. P. M	200

No. 1-IP—Power grinder, gear feed; wt each 210 lbs. ✤$213 00
No. 1-IHP—Hand and power grinder with hand wheel tight and loose pulleys; wt each 235 lbs. ✤268 50

Crated.

MOTOR FOR ABOVE GRINDERS

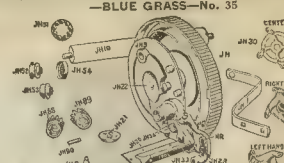
Each

No. 1-IM—¼ H. P., Westinghouse, 110 volts A. C. 60 cycle, with special pulley for Ideal grinder ✤$53 25

✤**Coldwell—F. O. B. New York Factory Only.**

✤**Ideal—F. O. B. Ohio Factory Only.**

REPAIRS FOR LAWN MOWERS
—BLUE GRASS—No. 35

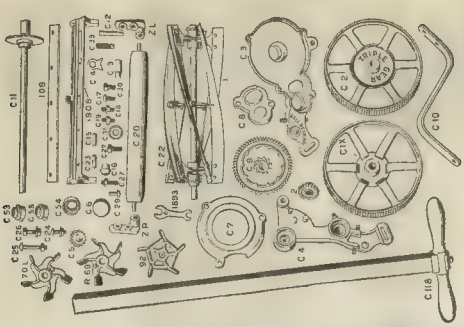


Nos.		Each
JH	Drive wheel, both alike	$3 57
NR	R. H. roller bracket	42
NL	L. H. roller bracket	42
JH3	R. H. side plate	3 57
JH2	L. H. side plate	3 57
JH6	Pinion cap	51
1906	Straight bar knife—	
	14-in	✤ 2 25
	16-in	2 76
	18-in	✤ 3 24
	20-in	✤ 3 75
JH20	Straight knife—	
	14-in	1 35
	16-in	1 44
	18-in	1 56
	20-in	✤ 1 68
JH300	Spiral cutter-complete—	
	14-in	✤13 20
	16-in	✤14 25
	18-in	✤15 60
	20-in	✤16 80
JH9	Spiral cutter blades—	
	14-in	✤ 1 35
	16-in	✤ 1 44
	18-in	✤ 1 56
	20-in	✤ 1 68
JH10	Wood roller—	
	14-in	1 35
	16-in	1 56
	18-in	✤ 1 80
	20-in	✤ 1 92
JH11	Handle irons, both alike—	
	14-in	✤ 87
	16-in	✤ 96
	18-in	✤ 1 08
	20-in	✤ 1 20
JH88	R. H. pinion	1 20
JH89	L. H. pinion	1 20
JH90	Double ratchet pin	18
15	Wrench	✤ 18
JH18	Pinion cap bolt	✤ 30
JH22	Drive wheel bolt	✤ 30
JH25	Cup pointed screw for R. H. cone	✤ 30
JH25	½ Pointed screws for L. H. cone	✤ 30
JH21	Drive wheel washer	18
JH23	Roller bracket bolt	✤ 30
JH24	Bolt for handle iron	✤ 30
JH33	Bolts for knife bar	✤ 30
JH34	Adj. screws for knife bar	30
JH26	Set screw for spider	✤ 30
JH93	Left-hand spider	✤ 1 20
JH94	Right-hand spider	✤ 1 20
JH30	Center spider	✤ 63
JH50	Wood handle, complete	✤ 2 40
JH51	Ball retainer and balls	75
JH52	Right-hand BB cone	✤ 1 20
JH53	Left-hand BB cone	✤ 1 20
JH54	Ball-bearing cups	✤ 63
JH55	Cone for knife bar	✤ 30
JH56	Screws for lower blade	18

✤**F. O. B. Indiana Factory Only.**

REPAIRS FOR LAWN MOWERS

—BLUE GRASS—1890 MODEL



Nos.		Each
C1X	Wheel, L. H.	$3 60
	Wheel, R. H.	3 60
	Intermediate gear	1 20
C3	Side plate, L. H.	7 20
C4	Side plate, R. H.	6 00
C5	Pinion	✤ 99
	Washer for B. B. cup	✤ 18
C7	Outside cap for master gear	✤ 1 95
C8	Shield	1 05
C9	Master gear	2 40
£10	Handle irons—	
	Ins.. 14 16 18 20	
	Each.. ✤$0 96 ✤1 20 ✤1 50 ✤1 74	
C11	Ratchet plate shaft	✤ 3 60
C12	Pin for ratchet plate	✤ 51
C13	Shoulder stud for No. 2 gear	✤ 75
C14	Ratchet	30
C15	Wheel shaft pin	✤ 18
C16	Knife bar end cone	✤ 45
C17	Lower blade screw	18
C18	Adj. screw and nut for B. B. cup	✤ 30
C19	Jamb screw and nut for B. B. cup	✤ 30
	Wood roller—	
	Ins... 14 16 18 20	
	Each.. ✤$1 50 1 74 1 95 ✤2 19	
C22	Reel complete with five knives—	
	Ins... 14 16 18 20	
	Each.. ✤$13 20 ✤14 25 ✤15 30 ✤16 80	

✤F. O. B. Indiana Factory Only.

Nos.		Each
C23	Pin for pinion	✤$0 18
C24	Roller bracket bolt	✤ 30
C25	Handle iron bolt	✤ 45
C26	Bolt, nut and washer for end of knife bar	✤ 45
C27	Cone screw cup point	✤ 30
C28	Adjusting screw for center of knife bar	✤ 30
C29	Rivet for spider	✤ 12
C30	Spider set screw	30
C31	Wheel washer	18
C32	Screw in wheel shaft	30
C33	Adjusting screw for knife bar	30
C52	Ball retainer and balls	75
C53	Cone for reel, both alike	✤ 1 20
C54	Ball-bearing cup	✤ 1 20
C55	Wheel cones, both alike	✤ 1 20
69	R. H. five arm spider	✤ 2 40
70	L. H. five arm spider	✤ 2 40
92	Center five arm spider	✤ 1 20
C108	Lower blade—	
	Ins.. 14 16 18 20	
	Each.. $1 50 1 74 1 95 2 19	
190	Knife bar—	
	Ins.. 14 16 18 20	
	Each.. ✤$3 15 3 30 ✤3 60 ✤3 90	
		Each
C118	Wood handle	✤$3 30
	R. H. roller bracket	45
ZL	L. H. roller bracket	45
1893	Wrench	✤ 30

✤F. O. B. Indiana Factory Only.

—JOHN PRIMBLE—RAZORS

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

THE BLADE IN THE MAKING

Fig. No. 1 represents the very finest quality of English bar steel, from which every Primble Razor Blade is made.

Fig. No. 2 represents the first forging of blade.

Fig. No. 3 represents the second forging of blade, including the marking of the rivet hole.

Fig. No. 4 represents Figure No. 3, but trimmed and shaped.

Fig. No. 5 represents the blade after being hardened and tempered. It is impossible to show in an engraving an exact reproduction of No. 6, but the blade referred to shows the coloring of the steel after being tempered. The streak running through the center represents the test made to determine whether the blade has been perfectly tempered.

This is one of the most critical stages in the manufacture of the blade, as at this point the cutler is to determine whether he is to pocket a loss by throwing away a blade of imperfect temper, or look to the future for returns due to the honest manufacture, who produces only the highest type of goods sustained by finest material and skilled labor.

Between the processes represented by Figs. 4 and 5, the rivet hole is made, as it would be impossible to perform that operation after the razor is tempered.

Fig. No. 6 represents the first process of concaving.

Fig. No. 7 represents the blade fully sharpened and ground, and ready to pass to the purchaser. This, like Fig. No. 6, represents another critical stage in the manufacture of the blade.

Even in the process of grinding, the temper may be drawn and, therefore, the cutting quality spoiled, and as is the case with No. 5, the manufacturer must again determine as to whether he will incur a loss by discarding the blade rather than impair his reputation.

THE FINISHED BLADE

Fig. No. 8 represents the full finished blade ready to be handled, after which the razor is honed, packed and boxed ready for the market. Primble Razors do not have to be rehoned before using, every blade being set ready for use before it is boxed.

It is only at this final stage that the moderate priced or still higher priced razor must be determined, the process of grinding being the most expensive of any.

Only those constantly connected with the manufacture of razors can accurately fix the value of the finished blade, the difference in the appearance of various forms of grinding being so slight.

A PRIMBLE RAZOR BLADE

At each stage, every blade is subjected to a most rigid test and inspection, all blades not coming up to the standard being discarded. These illustrations are shown in order that Primble Razors will not be classed with goods made up under cheaper processes. We guarantee every Primble blade to be made in the manner described above.

"HOLLOW GROUND" VS. "FULL CONCAVE"

The terms "Hollow Ground" and "Full Concave" are frequently confounded. Fig. No. 6 represents a blade that might be finished very quickly into a "Hollow Ground" razor. Fig. No. 8, however, represents a "Full Concave" razor requiring several times the amount of labor as would be necessary for a razor worthy of the term "hollow ground."

The same type of grinding may be produced in a different pattern of blade. For example, Full Concave razors may be had on either the "open heel" type, or "double heel" type, in either round, square or hollow point.

The Swedish pattern is not susceptible to full concaving. For some beards, however, the Swedish grinding is quite as satisfactory as full concave.

Figures 1 to 7 merely represent seven distinct stages in the converting of a bar of steel into a finished razor blade, whereas thirty operations are required to produce the finished blade as shown in Fig. No. 8.

HOW TO STROP A RAZOR

Many people spoil a good razor by using a poor strop. The majority of people strop a razor too much, and bear too hard on the strop. When you first get a razor from us, it is in perfect condition and ready to shave at once. It will shave you well the first time you use it, and if you keep it in the same condition, it will always shave you satisfactorily.

The first thing after buying a razor, is to get a good strop A cheap strop is dear at any price. They will ruin the best razor, made. To strop a razor always lay the blade flat, so that the back and edge rest on the strop, drawing from heel to point with a firm, steady stroke, turning on the back.

HOW TO USE A RAZOR

Use warm water and rub the lather well into the face to soften the beard. Draw the razor with an easy diagonal motion against the beard. Do not scrape with the razor, or hold it at almost right angles to the face, as you will spoil the cutting edge, irritate the skin and cause the best razor to fail.

People who know nothing at all about handling a razor are liable to condemn a good razor when they do not know how to use it.

RAZORS

—JOHN PRIMBLE—

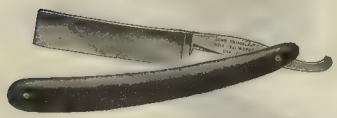
Hollow Ground.

Crocus polished. Enclosed in a gold lettered folding leather

Patent Stag.

	Per Doz
No. 1021—⅝ inch blade, oval point	$57 00

One in gold lettered leather folding case; wt per doz 1¾ lbs.



Plain blade, glazed.

Hollow Ground. Rubber Handle.

	Per Doz
No. 1004SP—½—½ in. blade, square point	$37 50
No. 1004SP—⅝—⅝ in. blade, square point	37 50
No. 1004RP—½—½ in. blade, round point	37 50
No. 1004RP—⅝—⅝ in. blade, round point	37 50

One in box; wt per doz 1¾ lbs.

—OLD HONESTY—

This razor is made from the very best steel and by the most skillful mechanics in the art of razor manufacturing.

	Per Doz
No. 1091½SP—Rubber handle; ⅝ in. blade, square point	$66 00
No. 1091½RP—Rubber handle; ⅝ in. blade; round point	66 00

One in box; wt per doz 1¾ lbs.

RAZORS

—GOLDEN PRIMBLE—

Extra fine blade, hollow ground, damescene (frosted) etching. Steel tang, gold plated; golden amber handle.

	Per Doz
No. 1100-7/16S—7/16 in. blade; square point	$75 00
No. 1100-7/16R—7/16 in. blade; round point	75 00
No. 1100-½S—½ in. blade; square point	75 00
No. 1100-½R—½ in. blade; round point	75 00

One in box; wt per doz 1¾ lbs.

—BLUE GRASS—

Steel Tang. Regulation weight. Flat rubber handle, all steel tang.

	Per Doz
No. 1030-½—½ in. blade; square point	$63 00
No. 1030-⅝—⅝ in. blade; square point	63 00
No. 1030-¾—¾ in. blade; square point	63 00

One in box; wt per doz 1¾ lbs.

—BLUE GRASS—

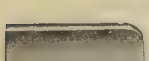
Steel Tang. Regulation weight, flat rubber handle, all steel tang.

	Per Doz
No. 1032-½—½ in. blade; round point	$63 00
No. 1032-⅝—⅝ in. blade; round point	63 00
No. 1032-¾—¾ in. blade; round point	63 00

One in box.

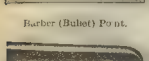
RAZORS

GENCO



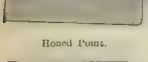
Barber (Bullet) Point.

Known as barber's or bullet point, and is extensively used by barbers.



Honed Point.

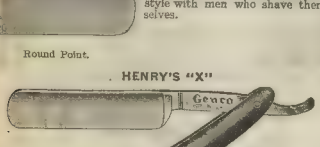
Honed point is a modification of the style used by barbers and is frequently preferred by self shavers.



Round Point.

Round point is the most popular style with men who shave themselves.

HENRY'S "X"



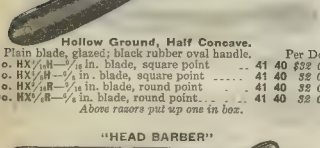
Hollow Ground, Half Concave.

Plain blade, glazed; black rubber oval handle.

		Per Doz
No. HX 7/16**H**—5/16 in. blade, square point	41 40	*$32 00*
No. HX 7/16**H**—5/16 in. blade, square point	41 40	*32 00*
No. HX 7/16**R**—5/16 in. blade, round point	41 40	*32 00*
No. HX 7/16**R**—5/16 in. blade, round point	41 40	*32 00*

Above razors put up one in box.

"HEAD BARBER"



Hollow Ground, Full Concave.

Plain blade, highly polished, with crocus back and tang; imitation oak handle. An exceptionally well ground razor. Especially suitable for barbers.

		Per Doz
No. HB 5/16**B**—5/16 in. blade, square point	63 00	*$50 00*
No. HB 7/16**B**—7/16 in. blade, square point	63 00	*50 00*
No. HB 5/16**R**—5/16 in. blade, round point	63 00	*50 00*
No. HB 7/16**R**—7/16 in. blade, round point	63 00	*50 00*

One in box.

RAZORS

GENCO

"MASTER BARBER"

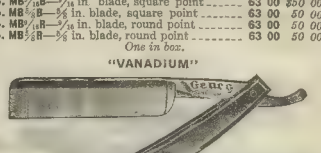
Hollow Ground, Full Concave.

Plain blade, extra fine polish with crocus back and tang; flat ivory handle, with beveled edges and square ends.

		Per Doz
No. MB 3/16**B**—3/16 in. blade, square point	63 00	*$50 00*
No. MB 5/16**B**—5/16 in. blade, square point	63 00	*50 00*
No. MB 3/16**R**—3/16 in. blade, round point	63 00	*50 00*
No. MB 5/16**R**—5/16 in. blade, round point	63 00	*50 00*

One in box.

"VANADIUM"



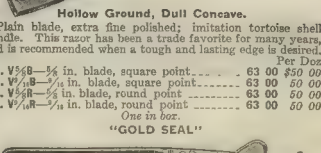
Hollow Ground, Dull Concave.

Plain blade, extra fine polished; imitation tortoise shell handle. This razor has been a trade favorite for many years, and is recommended when a tough and lasting edge is desired.

		Per Doz
No. V 5/16**B**—5/16 in. blade, square point	63 00	*$50 00*
No. V 7/16**B**—7/16 in. blade, square point	63 00	*50 00*
No. V 5/16**R**—5/16 in. blade, round point	63 00	*50 00*
No. V 7/16**R**—7/16 in. blade, round point	63 00	*50 00*

One in box.

"GOLD SEAL"



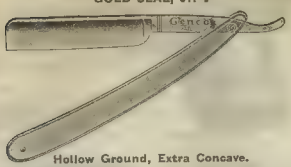
Hollow Ground, Extra Concave.

Extra fine polished blade with back and tang heavily gold plated; transparent amber handle. One of the most popular styles in the entire Genco line.

		Per Doz
No. GS 3/16**B**—3/16 in. blade, square point	75 00	*$60 00*
No. GS 5/16**B**—5/16 in. blade, square point	75 00	*60 00*
No. GS 3/16**R**—3/16 in. blade, round point	75 00	*60 00*
No. GS 5/16**R**—5/16 in. blade, round point	75 00	*60 00*

One in box.

RAZORS
GENCO
"GOLD SEAL, JR".



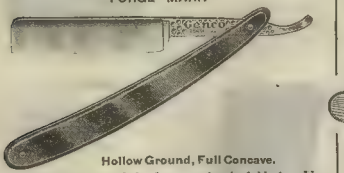
Hollow Ground, Extra Concave.

Extra fine polished blade with back and tang heavily gold plated; transparent amber handle. Razor only ¾ size, designed to give the particular barber a light weight under sized blade. Cutting edge 2⅝ inches.

	Per Doz
No. GSJB⁹⁄₁₆-B—⁹⁄₁₆ in. blade, square point	75 00 *$60 00*

One in box.

FORGE MARK



Hollow Ground, Full Concave.

Extra fine polished blade; heavy vulcanized black rubber handle. As the name implies the unfinished marks of the hammers used in forging are purposely left on tang and is then finished dark gun metal.

	Per Doz
No. FM⁹⁄₁₆B—⁹⁄₁₆ in blade, (Bullet or square point)	75 00 *$60 00*
No. FM⅝B—⅝ in blade, (Bullet or square point)	75 00 *60 00*
No. FM⅞B—⅞ in blade, (Bullet or square point)	75 00 *60 00*

One in box.

OLD DUTCH

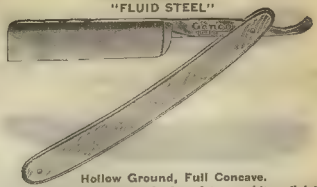
Hollow Ground, Extra Concave with Stiff Bevel.

Genco mirror blue finish blade with crocus back and tang; oval oak handle, with square ends and metal ornaments.

	Per Doz
No. OD⁹⁄₁₆-B—⁹⁄₁₆ in. blade, square point	75 00 *$60 00*
No. OD⁹⁄₁₆-R—⁹⁄₁₆ in. blade, round point	75 00 *60 00*
No. OD⅝-B—⅝ in. blade, square point	75 00 *60 00*
No. OD⅝-R—⅝ in. blade, round point	75 00 *60 00*

One in box.

RAZORS
GENCO
"FLUID STEEL"



Hollow Ground, Full Concave.

Polished blade with crocus back and tang; white celluloid handle.

	Per Doz
No. FS⁹⁄₁₆-B—⁹⁄₁₆ in. blade, square point	75 00 *$60 00*
No. FS⅝-B—⅝ in. blade, square point	75 00 *60 00*
No. FS⁹⁄₁₆-R—⁹⁄₁₆ in. blade, round point	75 00 *60 00*
No. FS⅝-R—⅝ in. blade, round point	75 00 *60 00*

One in box.

EXPERT

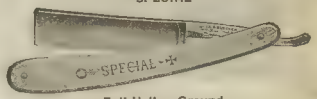
Hollow Ground, Extra Full Concave.

Extremely fine polished blade, highly colored; flat imitation ivory handle, with beveled edges and round ends.

	Per Doz
No. E⅛SP—⅛ in. blade, square point	75 00 *$60 00*
No. E⅝SP—⅝ in. blade, square point	75 00 *60 00*
No. E⅛RP—⅛ in. blade, round point	75 00 *60 00*
No. E⅝RP—⅝ in. blade, round point	75 00 *60 00*

One in box.

WADE AND BUTCHER SPECIAL



Full Hollow Ground.

Highest grade English razor steel, uniformly forged, hardened and tempered, carefully ground, honed and tested. Flat white celluloid handles, gold lettering.

	Per Doz
No. 251C—⅝ in. blade, square point	$82 50
No. 251C-RP—⅝ in. blade, round point	82 50

One in box.

SPECIAL

Full Hollow Ground.

Highest grade English razor steel, uniformly forged, hardened and tempered, carefully ground, honed and tested. Flat black rubber handle, gold lettering.

	Per Doz
No. 25B—⅝ in. blade, square point	$76 50
No. 25B-RP—⅝ in. blade, round point	76 50

One in box.

Tint
Laying
ADDING
TINTS AND
TEXTURES
TO LINE
DESIGNS

TINT LAYING

80. Color treatment starts with opaquing negative.

81. Cleaning inked image off stained plate.

82. Gumbogc is applied around tint area.

83. Ink is mixed to secure correct density.

84. The ink applied to screen with hand roller

85. Exact register is important.

TINT LAYING

86. Screen transfers benday pattern by pressure

87. The gamboge is washed off.

88. Solid areas are painted in

90. Topping powder is dusted over plate.

89. The final spotting is done with a fine brush

91. Top is fixed by burning in.

92. The engraving is again inspected.

93. Halftone finally tested for depth.

94 The block must be exactly type-high.

95 The finished engraving protected with corrugated board.

96. Careful wrapping is important.

97. The invoice completes the record

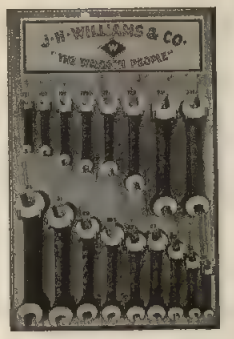
98. Finished engraving goes to customer.

WRENCH DISPLAY BOARDS.

WILLIAMS SILENT SALESMAN.

No. D ASSORTMENT.

Double Head. Drop Forged. Case Hardened. Black Enameled. Bright Heads. Openings Milled and Smooth. Board Contains 102 Wrenches, 6 Each 17 Sizes, in 2 Patterns.



CAP SCREW WRENCHES—15° ANGLE. TOP ROW.

6 Each following Nos.	For U. S. Std. Nuts. Size Bolts, Ins.	For Hex. Hd. Cap Screws. Diam., in.	For S.A.E. Std. Nuts and Cap Screws. Size of Bolt	Openings Milled Inches	Extreme Length Inches	Thickness Inch	Finished Each
721	1/8	1/8 & 3/16	.....	5/16 & 3/8	4	1/4	$0 34
723	.....	3/16 & 1/4	1/4	3/8 & 7/16	4 1/4	9/32	42
725	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	5	5/16	50
725B	1/4	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5 1/2	11/32	50
727	.....	3/8 & 7/16	3/8 & 7/16	9/16 & 5/8	6	11/32	62
729	.....	7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	7	3/8	74
731	.....	1/2 & 9/16	1/2	3/4 & 13/16	8 3/4	15/32	90
731A	1/2	1/2 & 5/8	1/2 & 9/16	3/4 & 7/8	8 3/4	15/32	90

ENGINEERS' WRENCHES—15° ANGLE—BOTTOM ROW.

21	1/8 & 3/16	1/8	.....	5/16 & 13/32	4	1/4	$0 34
23	3/16 & 1/4	5/16	5/16	13/32 & 1/2	4 5/8	5/16	42
25	1/4 & 5/16	5/16	5/16	1/2 & 19/32	5 1/2	11/32	50
27	5/16 & 3/8	.....	.....	19/32 & 11/16	6 1/2	3/8	62
27C	3/8	3/8	3/8	9/16 & 11/16	6 1/2	3/8	62
28S	7/16	7/16	7/16	5/8 & 25/32	7	3/8	74
29	3/8 & 7/16	.....	.....	11/16 & 25/32	7 1/2	13/32	74
31	7/16 & 1/2	5/8	9/16	25/32 & 7/8	8 3/4	15/32	90
33	1/2 & 9/16	5/8	9/16	7/8 & 31/32	9 1/2	1/2	1 10

No. D. Assortment. Board 15x24 inches, and 102 Wrenches. Wt., 49 lbs. ..... Assortment $65 40

No. H AUTOMOTIVE ASSORTMENT.

Double Head. Drop Forged. Case Hardened. Baked Black Enameled. Bright Heads. Openings Milled and Smooth. Board Contains 36 Wrenches, 3 Each 12 Sizes in 2 Patterns.

ENGINEERS' WRENCHES—15° ANGLE.

3 Each Size, No.	For U.S. Std. Nuts; Size Bolt	For Hex.Hd. Cap Screws; Diam. Screw	For S.A.E. Std.Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	Finished Each
23	3/16&1/4	5/16	5/16	13/32&1/2	4⅝	5/16	$0 42
725	1/4	1/4&5/16	1/4&5/16	7/16&1/2	5	5/16	50
725B	1/4	5/16&3/8	5/16&3/8	1/2&9/16	5½	11/32	50
25	1/4&5/16	5/16	5/16	1/2&19/32	5½	11/32	50
727	.....	3/8&7/16	3/8&7/16	9/16&5/8	6	11/32	62
27	5/16&3/8	.....	.....	19/32&11/16	6½	3/8	62
29	3/8&7/16	.....	.....	11/16&25/32	7	3/8	74
731A	1/2	1/2&5/8	1/2&9/16	3/4&7/8	8¾	15/32	90

TAPPET WRENCHES—15° ANGLE.

3 Each Size, No.	For U.S. Std. Nuts; Size Bolt	For Hex.Hd. Cap Screws; Diam. Screw	For S.A.E. Std Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	Finished Each
90D	1/4	.....	5/16&3/8	1/2&9/16	7	3/16	$0 84
92F	3/8	.....	7/16	5/8&11/16	8	7/32	1 00
94	1/2	.....	1/2&9/16	3/4&7/8	8	1/4	1 15
96	.....	.....	5/8&11/16	15/16&1	9 1/4	9/32	1 40

No. H Assortment. Board 8½x28 inches and 36 Wrenches. Wt., 12½ lbs...Assortment $27 57

We can furnish extra wrenches.

WRENCH SETS.

WILLIAMS

Drop Forged. Case Hardened. Baked Black Enameled. Bright Heads. Openings Milled and Smooth. In Canvas Rolls.

No. 6.

No. 2S.

SET No. 6. FOR LIGHT SERVICE ONLY.

No.	For U. S. Std. Nuts, Size Bolt.	For Hex. Hd. Cap Screws, Dia. Screw, In.	For S.A.E. Std. Nuts and Cap Scrs., Size Bolt.	Openings Milled	Extreme Length	Thickness	Finished Each
75A		1/4&5/16	1/4	3/8&1/2	6 1/4	1/4	$0 54
77	1/4	5/16&3/8	5/16&3/8	1/2&9/16	7 1/4	5/16	68
79C		3/8&1/2	5/16&1/2	5/8&3/4	8 1/4	3/8	86
81A	1/2	1/2&5/8	1/2&3/4	3/4&7/8	9 1/4	3/8	1 10
83B	1/2	5/8&3/4	3/4&1 1/8	7/8&1	10 3/8	1/2	1 40

Set No. 6. 5 Wrenches in cloth roll. Wt., 2¾ lbs.... Set **$5 58**

SET No. 2S. LIGHT, FOR AUTOMOBILES.

No.	For U. S. Std. Nuts, Size Bolt.	For Hex. Hd. Cap Screws, Dia. Screw, In.	For S.A.E. Std Nuts and Cap Scrs., Size Bolt.	Openings Milled	Extreme Length	Thickness Heads	Finished Each
77S	1/4	1/4&5/16	1/4&5/16	7/16&1/2	7 1/4	5/32	$0 68
79S	....	5/16&3/8	5/16&3/8	1/2&5/8	8 1/4	7/32	86
81A	1/2	1/2&5/8	1/2&3/8	3/4&7/8	9 1/4	9/32	1 10
83A	....	3/4	5/8&1 1/8	1 1/8&1	10 3/8	7/32	1 40
85C	5/8&3/4	1	3/4&7/8	1 1/8&1 1/4	12	1/2	2 00

Set No. 2S. 5 Wrenches in cloth roll. Wt., 3½ lbs. Set **$7 04**

SET No. 5S. STANDARD AUTOMOTIVE.

No.	For U. S. Std. Nuts, Size Bolt.	For Hex. Hd. Cap Screws, Dia. Screw, In.	For S.A.E. Std. Nuts and Cap Scrs., Size Bolt.	Openings Milled	Extreme Length	Thickness Heads	Finished Each
725	1/4	1/4&7/16	1/4&5/16	5/16&1/2	5	5/32	$0 50
727	....	5/16&7/16	5/16&3/8	7/16&5/8	6	1/8	62
731A	1/2	1/2&5/8	1/2&7/16	3/4&7/8	8 3/4	11/64	90
33C	....	3/4	5/8&1 1/8	1 1/8&1	9 1/2	1/2	1 10
37	5/8&3/4	1	3/4&7/8	1 1/16&1 1/4	12	21/32	1 92

Set No. 5S. 5 Wrenches in cloth roll. Wt, 5¼ lbs.. Set **$6 04**

SET No. 10. BIG TEN EXTRA CAPACITY GARAGE SET.

No.	For U.S. Std. Nuts: Size Bolt	For Hex Head Cap Screws: Diam. Screw	For S.A.E. Std. Nuts and Cap Screws: Size Bolt	Openings Milled	Extreme Length In.	Thickness Heads In.	Finished Each
721	1/8	1/8&3/16	.....	5/16&3/8	4	1/4	$0 34
23	3/16&1/4	5/16	5/16	13/32&1/2	4 5/8	5/16	42
725A	.....	1/4&3/8	1/4&3/8	7/16&9/16	5	5/16	50
27	5/16&3/8	.....	.....	19/32&11/16	6 1/2	3/8	62
729	.....	7/16&1/2	7/16&1/2	5/8&3/4	7	3/8	74
731B	1/2	9/16&5/8	9/16	13/16&7/8	8 3/4	15/32	90
32	7/16&9/16	.....	.....	25/32&31/32	9 1/2	1/2	1 10
33C	.....	3/4	5/8&11/16	15/16&1	9 1/2	1/2	1 10
737	3/4	7/8&1	7/8	1 1/8&1 1/4	12	21/32	1 92
38	5/8&7/8	.....	3/4&1	1 1/16&1 7/16	13 1/2	28/32	2 80

Set No. 10. 10 Wrenches in cloth roll. Wt., 8½ lbs..... Set **$12 99**

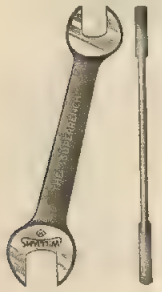
WRENCHES.

WILLIAMS' "SUPERRENCH."

Double Head Engineers' Pattern. Drop Forged. Heat Treated. Heads Polished Nickel Plated. Body Dull Nickel Plated. Openings Milled and Smooth. 15° Angle.

After exhaustive tests, Chrome-Molybdenum steel was selected as providing the strongest, toughest and most desirable material for the purpose ever produced. Wrenches made from it, though of lighter weight, thinner section, greater length and with narrower jaws than Carbon steel wrenches with corresponding openings, are far stronger than the latter.

Guarantee: Williams' "Superrench" (Chrome-Molybdenum) wrenches will strip the thread of any standard nut, or break the bolt, before spreading the jaws. Furthermore they will not break. Any "Superrench" returned to us that does not meet these claims will be immediately replaced.



CHROME-MOLYBDENUM.

No.	For U. S. Std. Nuts;	For Hex. Head Cap Screws; Diam. Screws.	For S.A.E. Std. Nuts and Cap Screws	Openings Milled	Extreme Length, Approx.	Thickness Heads	Nickel-Finished Each
1721	1/8	1/8&3/16	.....	5/16&3/8	4¼	13/64	$0 80
1021	1/8&3/16	1/8	.....	5/16&13/32	4¼	13/64	80
1723	.....	3/16&1/4	1/4	3/8&7/16	4¼	13/64	80
1023	3/16&1/4	5/16	5/16	13/32&1/2	4¾	7/32	96
1725	1/4	1/4&5/16	1/4&5/16	7/16&1/2	5½	1/4	1 16
1725B	1/4	5/16&3/8	5/16&3/8	1/2&9/16	5½	1/4	1 16
1025	1/4&5/16	5/16	5/16	1/2&19/32	5½	1/4	1 16
1027	5/16&3/8	.....	.....	19/32&11/16	6½	9/32	1 40
1727	.....	3/8&7/16	3/8&7/16	9/16&5/8	6½	9/32	1 40
1027C	3/8	3/8	3/8	9/16&11/16	6½	9/32	1 40
1028S	7/16	7/16	7/16	5 8&25/32	7¾	5/16	1 74
1729	.....	7/16&1/2	7/16&1/2	5/8&3/4	7¾	5/16	1 74
1029	3/8&7/16	.....	.....	11/16&25/32	7¾	5/16	1 74
1731	.....	1/2&9/16	1/2	3/4&13/16	9¼	3/8	2 14
1731A	1/2	1/2&5/8	1/2&9/16	5/4&7/8	9¼	3/8	2 14
1031	7/16&1/2	5/8	9/16	25/32&7/8	9¼	3/8	2 14
1033	1/2&9/16	5/8	9/16	7/8&31/32	9¼	3/8	2 14
1733	1/2	5/8&3/4	9/16&11/16	7/8&1	10¾	7/16	2 64
1033C	.....	3/4	5/8&11/16	15/16&1	10¾	7/16	2 64
1737	3/4	7/8&1	7/8	1 1/8&1 1/4	12¼	1/2	3/18

Consists of six Wrenches made from Chrome-Molybdenum Steel, the strongest and toughest material for the purpose ever produced. No duplicate openings.

Number	For U. S. Std. Nuts; Size Bolts	For Hex. Head Cap Screws; Diam. Screws	For S. A. E. Std. Nuts and Cap Screws; Dia. Screws	Openings Milled	Extreme Length	Thickness Heads	Nickel-finished Each
1723		3/16 & ¼	¼	⅜ & 7/16	4¼	13/64	$0 80
1025	¼ & 5/16	5/16	5/16	½ & 19/32	5½	¼	1 16
1027C	⅜	⅜	⅜	9/16 & 11/16	6½	9/32	1 40
1028S	7/16	7/16	7/16	⅝ & 25/32	7¾	5/16	1 74
1731A	½	½ & ⅝	½ & 9/16	¾ & ⅞	9¼	⅜	2 14
1033C		¾	5/8&11/16	15/16 & 1	10¾	7/16	2 64

Set No. 1025. In cloth roll. Wt. set, 3 lbs.....Set **$10 88**

Tappet Set.

This selection of 6 "Superrenches" includes 2 each of Nos. 1090D, 1092F and 1094 described on page 441. Heat-treated. Heads polished nickel plated, body dull nickel plated.

Set No. 1063. In cloth roll. Wt. set, 1⅞ lbs ....Set **$15 40**

WRENCHES.

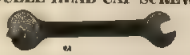
WILLIAMS' "SUPERRENCH."
TAPPET.

Chrome-Molybdenum.
Drop Forged. Heat Treated. Heads Polished Nickel Plated. Body Dull Nickel Plated. Openings Milled and Smooth.

Especially designed for tappet work—their length sufficient to prevent burning the hands while adjusting tappets on hot motors. Well adapted to use on check nuts.

No.	For U. S. Std. Nuts, Size Bolts	For Hex. Hd. Cap Screws, Dia. Screw, In.	For S.A.E. Std. Nuts, Cap Scrs. Size Bolt.	Openings Milled	Extreme Lgth. Approx. In.	Thickness Head, In.	Nickel Finish'd Each
1090A	7/16&1/4		1/4	3/8&7/16	8	3/16	$2 20
1090B	1/2&1/4	1/4	1/4	13/32&1/2	8	3/16	2 20
1090	1/4	1/4&1/4	1/4&1/4	7/16&1/2	8	3/16	2 20
1090C		1/4&5/16	1/4&5/16	7/16&9/16	8	3/16	2 20
1090D	1/4	1/2&5/16	1/2&5/16	1/2&9/16	8	3/16	2 20
1090E	1/4&1/2	1/2	1/2	1/2&19/32	8	3/16	2 20
1092B	1/4&5/16	1/2	1/2	1/2&11/16	8	1/4	2 40
1092		5/16&1/2	5/16&1/2	9/16&5/8	8	1/4	2 40
1092D	1/2&3/8			19/32&11/16	8	1/4	2 40
1092F	5/16	1/2	1/2	5/8&11/16	8	1/4	2 40
1094A		1/2&1/2	1/2&1/2	5/8&3/4	9	5/16	2 70
1094B	1/2&1/2			19/32&25/32	9	5/16	2 70
1094D	5/16&1/2			11/32&25/32	9	5/16	2 70
1094F	5/8&1/2	5/8	1/2	11/16&7/8	9	5/16	2 70
1094G		1/2&1/2	1/2	3/4&13/16	9	5/16	2 70
1094	1/2	1/2&5/8	1/2&1/2	3/4&7/8	9	5/16	2 70
1096A	1/2&1/2	5/8	1/2	25/32&7/8	9	5/16	3 00
1096B	1/2&1/2			25/32&31/32	9	5/16	3 00
1096F	1/2&1/2	5/8	1/2	7/8&31/32	9	5/16	3 00
1096H	1/2&5/8	5/8	1/2&3/4	7/8&1 1/16	9	5/16	3 00
1096		3/4	5/8&1/2	15/16&1	9	5/16	3.00

WILLIAMS.
DOUBLE HEAD CAP SCREW.



Drop Forged. Case Hardened. Baked Black Enameled. Bright Heads. Openings Milled and Smooth.
15° Angle.

No.	For U. S. Std. Nuts; Size Bolt	For Hex.Hd. Cap Screws; Dia. Screw	For S. A. E. Std. Nut and Cap Screws; Size Bolt	Openings Milled	Extreme Length Inches	Wt., Each Lbs.	Finished Each
721	1/2	1/2&1/2		1/2&3/8	4	1/2	$0 34
723	..	1/2&1/4	1/4	3/8&1/2	4 1/4	1/2	42
725	1/4	1/4&1/2	1/4&1/2	1/2&1/2	5	1/2	50
725A	..	1/4&3/8	1/4&3/8	1/2&1/2	5	1/2	50
725B	1/4	1/2&3/8	1/2&1/2	1/2&1/2	5 1/2	1/2	50
727	..	5/8&1/2	3/8&1/2	1/2&5/8	6	1/2	62
729	..	1/2&1/2	5/8&1/2	5/8&3/4	7	1/2	74
731	..	1/2&1/2	1/2	3/4&1/2	8 3/4	1/2	90
731A	1/2	1/2&5/8	1/2&1/2	3/4&7/8	8 3/4	1/2	90
731B	1/2	1/2&5/8	1/2	1/2&7/8	8 3/4	1/2	90
733	1/2	5/8&3/4	5/8&1/2	7/8&1	9 1/2	3/4	1 10
735	..	5/8&7/8	1/2	1&1 1/8	10 3/4	1 1/4	1 36
736	3/4	3/4&1	1/2&7/8	1&1 1/4	12	1 1/2	1 92
737	3/4	7/8&1	7/8	1 1/8&1 1/4	13	1 3/4	1 92

WILLIAMS.
LIGHT SERVICE.

Drop Forged. Case Hardened. Baked Black Enameled. Bright Heads. Openings Milled and Smooth.
22½° Angle.

No.	For U. S. Stand. Nut; Size Bolt	For Hex.Hd. Cap Screw; Dia. Screw.	For S. A. E. Std. Nut and Cap Screw; Size Bolt	Openings Milled	Extreme Length	Thickness Head	Wt. each. Lbs.	Finished Each
75A		1/2&1/2	1/2	3/8&1/2	6 1/4	1/4	1/4	$0 54
77	1/4	1/2&1/2	1/2&1/2	1/2&5/8	7 1/4	5/16	1/4	68
79C	..	1/2&1/2	1/2&1/2	5/8&3/4	8 1/4	1/2	1/4	86
81A	1/2	1/2&5/8	1/2&1/2	3/4&7/8	9 1/4	3/8	3/8	1 10
83B	1/2	5/8&3/4	1/2&1/2	7/8&1	10 3/8	1/2	7/8	1 40

SINGLE HEAD. ENGINEERS' AND CAP SCREW.

Drop Forged. Case Hardened. Baked Black Enameled. Bright Heads. Openings Milled and Smooth.
15° Angle.

No.	For U. S. Std. Nuts, Size Bolts	For Hex. Hd. Cap Screw; Dia. Screw, In.	For S.A.E. Std Nuts, Cap Scrs. Size Bolt.	Openings Milled	Extreme Length	Thickness Head	Wt. each, Lbs.	Finished Each
3	3/8	..	..	11/16	5 5/8	5/16	1/8	$0 52
4	7/16	..	..	25/32	6 1/2	11/32	1/2	64
5	1/2	5/8	9/16	7/8	7 1/2	13/32	5/8	78
6	9/16	..	..	31/32	8 3/8	7/16	1	92
7	5/8	..	3/4	1 1/8	9 1/4	1/2	1 1/4	1 14
8	3/4	1	5/8	1 1/4	11 1/8	9/16	1 3/4	1 50
9	7/8	..	1	1 1/2	13	21/32	2	2 30
10	1	1 3/8	1 1/4	1 5/8	14 3/4	3/4	4	3 20
11	1 1/8	..	1 1/4	1 7/8	16 1/2	27/32	5	4 20
12	1 1/4	..	1 3/8	2	18 1/2	29/32	7	5 70
13	1 3/8	..	1 1/2	2 1/8	20	1	9	7 30
14	1 1/2	..	..	2 3/8	22	1 1/8	11	9 20

STOCK DISPLAY BOARDS

WILLIAMS' DROP FORGED WRENCHES

Discount

"SILENT SALESMAN" L

Superior Drop Forged Wrenches. Length of Board 90 Inches, Weight of Board and 240 Wrenches, 174 Pounds Six Different Classes in 43 Sizes as Follows

ENGINEERS' WRENCHES—15° ANGLE, DOUBLE HEAD

No.	Openings, Size.	For S. A. E. Std. Nuts and Cap Screws	For U. S. Std. Nuts	For Cap Screws	Extreme Length.	Thickness Handle.	PRICE, Each. Finished.
21					4		$ .34
23					4½		.42
25					5		.50
27					6		.62
27C					6½		.62
29					7½		.74
31					8½		.90
34					10½		1.30
37				1	12		1.92

CHECK NUT OR "THIN" WRENCHES 15° ANGLE, DOUBLE HEAD

623D					4½		.60
626S					5½		.64
629E					6½		80
632X					8¼		1 12
637					10½		1 68

"S" WRENCHES, WITH FLAT HANDLE 22½° ANGLE, DOUBLE HEAD

661D					4		.44
661E					4		44
662D					5		58
662P					5		.58
663E					6½		.78
663 1					6½		.78
6640					7½		1 06
665E					9		1 44

LIGHT SERVICE WRENCHES—22½° ANGLE, DOUBLE HEAD

715					6½		$ .54
716					7½		.68
718					7½		.68
720					8		.86
720					8½		.86
724					9½		1 10

CAP SCREW WRENCHES—15° ANGLE, DOUBLE HEAD

721					4		.34
723					4½		.42
725					5		50
725B					5½		50
727					6½		.62
729					7½		74
731					8½		90
73					10½		1.10

TAPPET WRENCHES

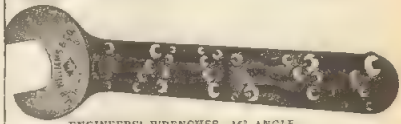
90D					7		.84
92F					8		1 00
94					8		1 50
96					9½		1 70

Price, Complete, Wrench Assortment "L" . $18 54

"SILENT SALESMAN" A

Length, 54 Ins. Weight of Board and 102 Wrenches, 56 Lbs.

The Wrenches Carried by This Board Have Been Selected to Meet Adequately the Needs of Automotive Supply Houses and Garages 17 Sizes of Double Head Wrenches, in 4 Distinct Styles, with Openings Milled for the Most Popular S. A. E. and U. S. Standard Nuts and Cap Screws



ENGINEERS' WRENCHES 15° ANGLE

No. Each Size	Openings, Milled Inches	S. A. E. Std. Nuts and Cap Screws, Size Bolts	U. S. Std. Nuts, Size Bolts	Cap Screws, Width Screws	Extreme Length	Price Finished
21					4	$ .28
23					4½	.34
25					5½	.40
27					6½	.50
29					7½	.60
31					8½	.74

75B					5½	.54
77B					6½	.68
79C					7½	.86
81A					8½	1 10

CAP SCREW WRENCHES 15° ANGLE

721						.28
723						.34
725						.40
725B						.40
727						.50
729						.60
731						.74

Price, Complete, **Wrench Assortment "A"** . $80 64

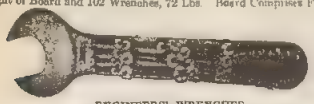
WILLIAMS
DROP FORGED TOOLS
Superior
Drop-Forged
Wrenches
W

STOCK DISPLAY BOARDS

WILLIAMS' DROP FORGED WRENCHES

"SILENT SALESMAN" B

General Hardware and Machine Shop Selection. Length of Board 54 Inches
Weight of Board and 102 Wrenches, 72 Lbs. Board Comprises Following



ENGINEERS' WRENCHES

Each Size No.	Openings Milled For: U. S. Standard Nuts, Size Bolts, Inches	Hex. Head Cap Screws, Diam. Inches	Nuts	Set Screws, Inches	S. A. E. Std. Nuts and Cap Screws, Size Bolts	Milled	Price Each, Nickel Finished
23							$ 4 [illegible]
725							50
25							50
27C							82
28S							[illegible]
731A							90
34							1 36
736							1 92

TEXTILE MACHINE WRENCHES

760B							$ 50
761C							62
763A							1 06
764B							1 44

SET SCREW WRENCHES

525							$ 48
527							58
529							70
531							90

"S" WRENCHES

661A							$ 44
662B							55
663C							78
664B							1 06

Price, Complete, Wrench Assortment "B" $96.60

WILLIAMS' "SUPERRENCH" WRENCHES

(Chrome-Molybdenum)

"SILENT SALESMAN"—STYLE MH

General Assortment

Size, 8½ x 29 in. Weight of Board and 36 Wrenches, 12½ lbs.

These Wrenches are Generally Required for Automotive Purposes, Including Tappet Adjustment Wrenches.

Board Contains 12 Sizes of Wrenches with Openings Milled for Popular U. S. and S. A. E. Standard Nuts and Cap Screws.

No Charge for the Board to Purchasers Taking the Assortment of "Superrenches" it is Designed to Display.

Every "Superrench" is Guaranteed Against Breakage

Each Size No.	For U. S. Std. Nuts, Size Bolts	For Hex Head Cap Screws, Diam. Screws	For S. A. E. Std. Nuts and Cap Screws, Size Bolts	Openings Milled	Extreme Length	Thickness Heads	Price Each, Nickel Finished
Engineers' Wrenches 15° Angle							
1023	3/16&1/4	5/16	5/16	13/32& 1/2	4-3/4	7/32	$ 90
1725	1/4	1/4 &3/16	1/4 & 5/16	7/16& 1/2	5-1/2	1/4	1 16
1723B	1/4	5/16&3/8	5/16& 3/8	1/2 & 9/16	5-1/2	1/4	1.16
1025	1.3 &5/16	3/8	5/16	1/2 & 19/32	5-1/2	1/4	1.16
1727		3/8 &7/16	3/8 & 7/16	9/16& 5/8	6-1/2	9/32	1.40
1027	5/16&3/8			19/32& 11/16	6-1/2	9/32	1 40
1029	3/8 &7/16			11/16& 25/32	7-3/4	5/16	1.74
1731A	1/2	1/2 &5/8	1/2 & 9/16	3/4 & 7/8	9-1/4	3/8	2.14
Tappet and Check Nut Wrenches 15° Angle							
1030D	1/4	5/16&3/8	5/16& 3/8	1/2 & 9/16	8	5/32	2.20
1032F	3/8	7/16	7/16	5/8 & 11/16	8	5/16	2.40
1034	1/2	1/2 &5/8	1/2 & 9/16	3/4 & 7/8	9	7/32	2.70
1036		3/4	5/8 &11/16	15/16&1	9	7/32	3.00

Per Assortment

†No MH Assortment

‡For shipment from factory only
F O B Brooklyn, N. Y.

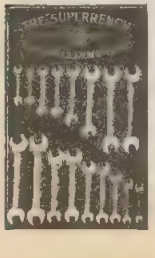
WILLIAMS' "SUPERRENCH" WRENCHES

(Chrome-Molybdenum)

"SILENT SALESMAN" STYLE MJ

General Assortment

Size Board, 15 x 24 in. Weight with 102 Wrenches 17 Sizes, 6 each, 44½ lbs.



An Assortment of "Superrenches" for Popular U. S. and S. A. E. Standard Nuts and Cap Screws Covering Every Size from 5/16 to 7/8 In. Inclusive

No Charge for the Board to Purchasers Taking the Assortment of "Superrenches" it is Designed to Display.

Every "Superrench" is Guaranteed Against Breakage

Each Size No.	For U. S. Std. Nuts Size Bolts	For Hex Head Cap Screws, Diam. Screws	For S. A. E. Std. Nuts and Cap Screws, Diam. Screws	Openings Milled	Extreme Length Approx	Thickness Heads	Price Each, Nickel Finished
1721	1/8	1/8 &3/16		3/16& 3/8	4-1/4	13/64	$ 80
1021	1/8 &3/16	3/8		3/16&13/32	4-1/4	13/64	80
1723		3/16&1/4	1/4	3/8 & 7/16	4-1/4	13/64	.80
1023	3/16&1/4	5/16	5/16	13/32& 1/2	4-3/4	7/32	.96
1725	1/4	1/4 &5/16	1/4 &5/16	7/16& 1/2	5-1/2	1/4	1.16
1725S	1/4	5/16&3/8	5/16&3/8	1/2 & 9/16	5-1/2	1/4	1.16
1025	1/4 &5/16	5/16	5/16	1/2 &19/32	5-1/2	1/4	1.16
1727		3/8 &7/16	3/8 &7/16	9/16& 5/8	6-1/2	9/32	1.40
1027	5/16&3/8			19/32&11/16	6-1/2	9/32	1.40
1027C	3/8	1/8	3/8	9/16&11/16	6-1/2	9/32	1.40
1029S		7/16	7/16	5/8 &25/32	7-3/4	5/16	1.74
1729		7/16&1/2	7/16&1/2	3/8 & 3/4	7-3/4	5/16	1.74
1029	3/8 &7/16			11/16&25/32	7-3/4	5/16	1.74
1731		1/2 &9/16	1/2	3/4 &13/16	9-1/4	3/8	2.14
1731A	1/2	1/2 &5/8	1/2 &9/16	3/4 & 7/8	9-1/4	3/8	2.14
1031	7/16&1/2	5/8	9/16	29/32& 7/8	9-1/4	3/8	2.14
1033	1/2 &9/16	5/8	9/16	7/8&31/32	9-1/4	3/8	2.14

Per Assortment

†No. MJ Assortment

WILLIAMS *"SUPERRENCH"* WRENCHES

Chrome-Molybdenum

Every "Superrench" Guaranteed Against Breakage

ENGINEERS' WRENCHES

15° Angle, Double Head

"Superrench" Wrenches, Engineers' Pattern, are Particularly Serviceable in Close, Cramped Quarters Where Clearance is Limited.

Furnished Heat-Treated and Nickel-Finished, with Heads Buffed Bright

No.	For U. S. Std. Nuts Size Bolts	For Hex Head Cap Screws Diam. Screws	For S. A. E. Std. Nuts and Cap Screws Diam. Screws	Openings Milled	Extreme Length Approx.	Thickness Heads	Price Each, Nickel-Finished
†-1721	#11	1/8 &3/16		5/16& 3/8	4-1/4	13/64	$ .80
†-1031	1/8 &3/16	1/8		5/16& 13/32	4-1/4	13/64	.80
†-1722	1/8	1/8 &1/4	1/4	5/16& 7/16	4 1 1	13/64	.80
†-1723		3 16&1/4	1/4	3/8 & 7/16	4 1 1	13/64	.80
†-1622	1/8 &1/4	1/8 &5/16	5/16	5/16& 1/2	4-3/4	7/32	.95
†-1623	3/16&1/4	5/16	5/16	13/32& 1/2	4 3/4	7/32	.95
†-1723A	1/4	3/16&5/16	5/16	3/8 & 1/2	4 3 4	7/32	.95
†-1624	3/16&5/16			13/32& 19 32	5 1 2	1/4	1.10
†-1725	1/4	1/4 &5/16	1/4 & 5/16	7/16& 1/2	5-1/2	1/4	1.10
†-1725A		1/4 &3/8	1/4 & 3/8	7/16& 9/16	5-1/2	1/4	1.10
†-1725B	1/4	5/16&3/8	5/16& 3/8	1/2 & 9/16	5-1/2	1/4	1.10
†-1625	7 4 &5/16	5.16	5/16	1/2 & 19/32	5-1/2	1 4	1.10
†-1726	1/4	5/16&7/16	5/16& 7/16	1/2 & 5/8	6-1/2	9/32	1.40
†-1026	1/4 &3/8	5/16	5/16	1/2 & 11/16	6-1/2	9/32	1.40
†-1727		3/8 &7/16	3/8 & 7 16	9 16& 5/8	6-1/2	9/32	1.40
†-1027	5/16&3/8			5 1 4	6-1/2	9/32	1.40
†-1027C	3/8	3/8	3/8	18/32& 11 16	6 1 2	9/32	1.40
†-1728		3/8 &1/2	3/8 & 1/2	9/16& 1 4	7-3/4	5/16	1.70
†-1028	5/16&7/16			19/32& 25/32	7-3/4	5/16	1.70
†-1028S	7/16	7/16	7/16	5/8 & 25/32	7-3/4	5/16	1.70
†-1729		7/16&1/2	7/16& 1/2	5/8 & 3/4	7-3/4	5/16	1.70
†-1029	3/8 &7/16			11/16& 25/32	7-3/4	5/16	1.70
†-1030	3/8 &1/2	5/8	9/16	11/16& 7/8	7-3/4	5/16	1.70
†-1731		1/2 &9/16	1/2	3/4 & 13/16	9-1/4	3/8	2.14
†-1731A	1/2	1/2 &5/8	1/2 & 9/16	3/4 & 7/8	9-1/4	3/8	2.14
†-1031	7/16&1/2	5/8	9/16	25/32& 7/8	9-1/4	3 8	2 4
†-1731B	1/2	9/16&3/4	9/16	13/16& 7/8	9-1/4	3/8	2.14
†-1032	7/16&9/16			29/32& 31/32	9-1/4	3/8	2.14
†-1033A	1/8	5/8	9/16& 5/8	7/8 & 15/16	9-1/4	3/8	2.14
†-1033	1/2 &9.16	5/8	9/16	7/8 & 3 /32	9-1/4	3/8	2.14
†-1733	1/2	5/8 &3/4	9/16&11/16	7/8 &1	10-3/4	7/16	2.64
†-1033C		3/4	5/8&11/16	15/16&1	10-3/4	7/16	2.6.
†-1034	1/2 &7/8	5/8	9/16& 3 4	7/8 &1 1/16	10-3/4	7/16	2.64
†-1734	1/2	5/8 &7/8	9/16	7/8 &1 1/8	10-3/4	7 16	2.64
†-1035	9 /8&5/8		3/4	31 32&1 1/8	10-3/4	7 16	2.64
†-1735		3/4 &7/8	11/16	1 &1-1/8	12-1/4	1/2	3.38
†-1036	9/16&3/4	1	7/8	30/32&1-1/4	12-1/4	1 2	3.18
†-1736	3/4	3/4 &1	11/16& 7/8	1 &1 1/4	12-1/4	1/2	3.18
†-1037	5/8 &3/4	1	3/4 & 7/8	1-1/16 &1-1/4	12-1/4	1/2	3.18
†-1737	3/4	7/8 &1	7/8	1-1/8 &1-1/4	12 1/4	1/2	3.18

GENERAL SERVICE WRENCHES

22½° Angle, Double Head

Long and Light

"Superrench" General Service Wrenches Provide a Great Increase in Strength and Toughness Over the Carbon Steel Wrench of Corresponding Size. They Are Long and Light, and Give Exceptionally Efficient Service Where Extra Leverage is Desirable

Furnished Heat-Treated and Nickel-Finished, with Heads Buffed Bright

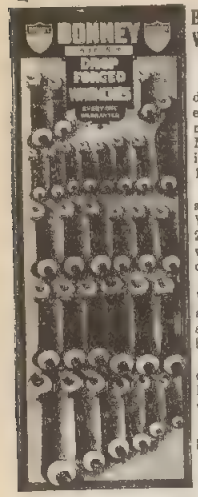
No.	For U. S. Std. Nuts Size Bolts	For Hex. Head Cap Screws Diam. Screws	For S. A. E. Std. Nuts and Cap Screws Diam. Screws	Openings Milled	Extreme Length Approx.	Thickness Heads	Price Each, Nickel-Finished
†-1075B		3 16&1/4	1/4	3 8 & 7/16	6-1/4	1/4	$1.20
†-1075A		3 16&5 16	5 16	1 8 & 1 2	6 1 4	1 4	1.20
†-1075	3 16&1	5 16	5 16	1 32& 1/2	6-1/4	1/4	1.20
†-1077S	1 4	1 4 &5 16	1 4 & 16	1 64 1/2	7-1/4	9/32	1.65
†-1077B	1 4	5 16&3 8	5 16& 3/8	1/2 & 9 16	7 1 4	9/32	1.65
†-1077	1 4	5 16 16	5 16& 7 16	17 32& 5/8	7 1 4	9/32	1.65
†-1078S	5 16	3/8	5 16& 19 32	5 8& 11 16	8-1/4	5/16	2.05
†-1078S		3/8 &7/16	3/8 & 7/16	9/16& 5/8	8-1/4	5/16	2.05
†-1078A	3/8	3 8	1 8	9 16& 1 16	8-1/4	5/16	2.05
†-1079	3 8	7 16	7 16	5 8 & 11 16	8-1/4	5 16	2.05
†-1078C		7 16&1/2	7 16& 1/2	5 8 & 3/4	8 1/4	5/16	2.05
†-1081	3/8			11/16& 27/32	8-1/4	3/8	2.50
†-1081S		1/2 &9/16	1/2	3/4 & 13/16	8-1/4	3/8	2.50
†-1081A	1/2	1/2 & 5	1/2 & 5	3 4 & 7/8	9 1 4	3/8	2.50
†-1083			5 8	27/32& 15/16	10-3/8	7/16	3.10
†-1083B	1/2	3/8 & 1	9 16&11/16	7/8 &1	10-3/8	7/16	3.10
†-1083A		1 4	5/8 &11 16	15/16&1	10-3/8	7/16	3.10
†-1085		3 4 &7/8	11 16	1 &1-1/8	12	1/2	3.90
†-1085C	5 8 &3/4	1	1/4 &7/8	1/16&1 1/4	12	1/2	3.90
†-1085S	3 4	7/8 &1	7 8	1/8 &1 1/4	12	1/2	3.90

Each "SUPERRENCH" Line is the strongest in its field—stronger than any line previously known

Half dozen in a box.

†For shipment from factory only.

F. O. B. Brooklyn, N. Y.



BONNEY DROP-FORGED WRENCH ASSORTMENT

Assortment No. 65

Contains six each of thirty different Bonney Semi-Finished Drop-Forged Wrenche, mounted on a Lithographed Metal Front Display Board 45 inches high, 16 inches wide and 1½ inches thick.

Assortment includes Standard Drop-Forged Engineers' Wrenches, both 15 degrees and 22½ degrees angle openings, which may be used on U. S. S. or S. A. E. nuts and cap screws.

There are also special Wrenches for Valve Tappets and a Wrench particularly designed for reverse and brake hands on Ford Cars.

Each board is packed in individual shipping container. Board and Wrenches packed weigh approximately 100 lbs.

Per Asst.

No. 65—180 Wrenches and Display Board . . . . .

Assortment No. 60

Consists of three each of ten different Bonney Semi-Finished Drop-Forged Wrenches. All are mounted on a Lithographed Metal Front Display Board 26 inches high by 7½ inches wide.

Assortment includes wrenches of two different styles, one a general purpose wrench for openings of 22½ degree angle; the other, Engineers Wrenches having openings at 15 degrees angle.

Openings of general purpose Wrenches are, 3/8", 7/16", 9/16", 5/8", 3/4", and 1".

Openings of Engineers Wrenches are 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 1 1/16".

Each board is packed in individual shipping carton. Weight approximately 20 pounds.

Per Asst.

No. 60—30 Wrenches and Display Board. . .

WILLIAMS STYLE "E" WRENCH ASSORTMENT

An Assortment of 3 Dozen Wrenches Generally Required for Farm, Machine and Automotive Purposes. 12 Sizes of Double Head Wrenches in Two Patterns. Openings Milled for Popular U. S. and S. A. E. Nuts and Cap Screws. Semi-Finished

Wrenches Mounted on Display Board 8 x 27 Inches

Qty	No.	For U.S. Std. Nuts Size Bolts	For Hex. Head Cap Screws: Diam Screws	For S.A.E. Std. Nuts and Cap Screws, Size Bolts	Extreme Length	List Each
Engineers' Wrenches—15° Angle						
8	33	7/16 and 1/2	7/16	7/16 and 1/2	4	$ .42
3	735	1/2	1/2 and 9/16	1/2 and 9/16	4 5/16	.50
3	735B	1/2	1/2 and 9/16	1/2 and 9/16	4 5/16	.50
8	28	1/2 and 5/8	5/8	5/8	4 5/16	.50
8	727	9/16 and 5/8	9/16 and 5/8	9/16 and 5/8	5 1/16	.62
3	27	9/16 and 5/8	5/8	5/8	5 1/16	.62
2	29	3/4 and 7/8	3/4	3/4	6 3/16	.74
3	731A	1	3/4 and 7/8	3/4 and 7/8	7 1/2	.96
Light Service "E" Wrenches—22½° Angle						
8	75B	1/2	7/16 and 1/2	7/16 and 1/2	6 1/4	.54
3	77B	1/2	7/16 and 1/2	7/16 and 1/2	7 1/4	.62
3	78C	9/16 and 5/8	1/2 and 9/16	1/2 and 9/16	8 1/4	.86
3	81A	3/4	1/2 and 9/16	1/2 and 9/16	9 1/4	1 10

No. "E" Assortment

Total Retail Value, $23 94 — Per Assortment.

BONNEY WRENCH ASSORTMENT

Highest Quality Steel. Openings Milled and Case-Hardened All Over. Heads are Polished and Bodies are Finished in Black Enamel

This Assortment Contains Four Each of Nineteen Different Bonney Special Finished Drop Forged Wrenches. The Wrenches are Classified in Four Groups. Group 1—A Complete Range of Sizes and Patterns to Turn all Nuts on a Ford Car, Including a Special Wrench for Brakes and Reverse Gear. Group 2—four Sizes, Eight Different Openings, the Most Used 15 Degree Angle Wrenches in S. A. E. Millings. Group 3—Three Sizes, Six Different Openings, of Wrenches for S. A. E. Valve Tappets. Group 4—A Common Sense Range of Openings in Six 22½ Degree Angle Wrenches, Which Covers the Most Generally Used Nuts and Cap Screws in U. S. S. A. E., and A. I. A. M. Standards from ¼ to ¾ Inch Inclusive. The Display Board is Made of Soft Wood Covered with Heavy Gauge Metal, Richly Lithographed in Colors. The Metal Covering is Securely Held by a Moulding ¾ Inches High, and the Lithographing is Permanent and Will Not Crack or Peel. It May Easily be Cleaned with a Damp Cloth. The Size of the Board is 31½ Inches High by 16½ Inches Wide by 1¼ Inches Thick. Hooks are Inserted at an Angle of 75 Degrees from the Face of the Board

WILL FIT THE FOLLOWING

Wrench No.	Open. Size Marked	U.S.S. Hex Square	Hex Cap	S A E	A. I. A. M.	Set Screws	Sq. Cap	Nearest m.m. Openings	Whitworth Std
23F	1/4 x 5/16	1/4	7/16	1/4	1/4 x 5/16	1/4 x 5/16	1/4 x 5/16	9x11	. . .
25F	5/16 x 3/8	5/16	1/2	5/16	5/16	5/16 x 3/8	5/16	12x14	1/4
27F	3/8 x 7/16	3/8	9/16	3/8	3/8	3/8	3/8	15x17	5/16
29F	7/16 x 1/2	7/16	5/8	7/16	7/16	7/16	7/16	17x19	. . .
33F	1/2 x 9/16	1/2	3/4	1/2	1/2	1/2	1/2	22x23	3/8
100F	9/16 x 5/8	5/8	7/8	9/16	9/16	9/16 x 5/8	9/16	18x19	7/16
725	5/8 x 3/4	5/8	15/16	5/8	5/8	5/8	5/8	11x12	. . .
727	3/4 x 7/8	3/4	1	3/4	3/4	3/4	3/4	14x15	1/2
73'A	7/8 x 1	7/8	1 1/8	7/8	7/8	7/8	7/8	19x22	9/16
33C	1 x 1 1/16	1	1 1/4	1	1	1	1	23x25	5/8
921A	1 1/16 x 1 1/4	. . .	. . .	1 1/16	1 1/16	1 1/16 x 1 1/4	1 1/16	17x14	9/16
823A	1 1/4 x 1 5/16	1 1/4	1 7/8	1 1/4	1 1/4	1 1/4	1 1/4	12x15	5/8
825A	1 5/16 x 1 1/2	1 5/16	2	1 5/16	1 5/16	1 5/16	1 5/16	19x22	3/4
550AS	1 1/2 x 1 5/8	. . .	2 1/2	1 1/2	. . .	1 1/2 x 1 5/8	1 1/2	9x11	. . .
551AS	1 5/8 x 1 3/4	1 5/8	2 3/4	1 5/8	1 5/8	1 5/8 x 1 3/4	1 5/8	12x14	1/2
552AS	1 3/4 x 1 7/8	1 3/4	2 7/8	1 3/4	1 3/4	1 3/4	1 3/4	15x17	5/8
553AS	1 7/8 x 2	. . .	3	1 7/8	1 7/8	1 7/8	1 7/8	19x20	3/4
554AS	2 x 2 1/16	2	3 1/4	2	2	2	2	23x25	7/8
555AS	2 1/16 x 2 1/8	2 1/8	3 3/8	2 1/8	2 1/8	2 1/8	2 1/8	27x31	1 1/8

No. 70 . . . . . Per Assortment

·1847 ROGERS BROS·

SILVERPLATE

"The best selling merchandise in the store"
—today as it has been for many years

The reason is easy to discover—a deserved reputation for Quality, that has met the supreme test—the test of time—backed by an absolute guarantee of satisfaction and by years of extensive and effective national advertising and sales promotion aid for the dealer.

The result is a remarkable turnover on a line that yields a very substantial profit on every sale.

Especially important is the fact that each design is made not alone in spoons, forks and knives but in the larger pieces as well—five-piece Tea Sets and the various articles that make up the Dinner Service and adorn the home.

In each pattern the Hollowware is designed, produced, plated and finished to match the Flatware

PRINTED IN U. S. A.

INTERNATIONAL SILVER CO.

·1847 ROGERS BROS·
SILVERPLATE

ARGOSY PATTERN

Tea Spoon

Delicate balance, joined with subtle, ornamental tracery, is the secret of the gay charm of Argosy Pattern — the newest design in 1847 Rogers Bros. Silverplate

Six in Box, Prices per Dozen

Dessert Knife Flat Handle	8701	Tea Spoons	$9.18
	8702	Dessert or Oval Soup Spoons	17.74
	8703	Table or Serving Spoons	18.36
	8704	Soup Spoons, round bowl	18.36
	8705	Dinner Forks, flat	18.36
	8706	Dessert or Luncheon Forks, flat	17.74

87005 Bouillon Spoons, six in blue velvet lined box, set of six $8.87

Soup Spoon Round Bowl

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

87402s	Dinner Knives, Stainless French Blades	$71.50	
87401	Dinner Knives, Plated French Blades	57.20	
87404s	Dessert or Luncheon Knives, Stainless French Blades	57.20	
87404	Dessert or Luncheon Knives, Plated French Blades		$28.42
87416	Dinner Forks		28.70
87417	Dessert or Luncheon Forks		28.42

Dinner Knife Hollow Handle Stainless French Blade

Embossed Solid Handles, Six in Racked Box, Prices per Dozen

87472s	Dinner Knives, Stainless French Blades	$ 78.00	
87471	Dinner Knives, Plated French Blades	60.00	
87474s	Dessert Knives, Stainless French Blades		$17.60
87474	Dessert Knives, Plated French Blades		13.75

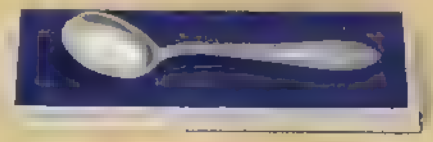
B

·1847 ROGERS BROS·
SILVERPLATE

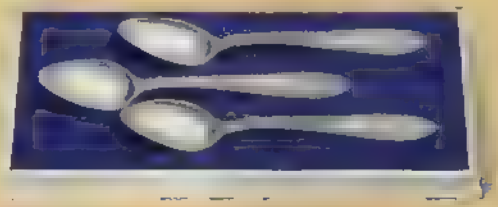
Fancy pieces in Velvet Lined Gift Boxes without extra charge

ARGOSY

87201 Butter K[illegible], each $1.54



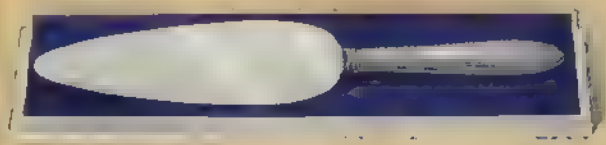
87017 Sugar Shell, each $1.54



87014 Orange or Grape Fruit Spoons, set of six $6.45

87204 [illegible] Server, each $2.14

87252 Cucumber or Tomato Server, each $3.[illegible]



87254 Pie or Ice Cream Server, Hollow Handle, each $[illegible]

87003 Berry or Salad Spoon, large, each $3.98

87[illegible] Butter Knife and Sugar Shell, per set $3.[illegible]

87202 Butter Spreaders, set of six $7.[illegible]

87103 Cold Meat Forks, large, each $2.[illegible]

87111 Salad Fork and Individual Salad Set of six $[illegible]
87107 Pie or Pastry Forks, set of six $7.[illegible]

87[illegible] Cream Ladle, each $[illegible]
87[illegible] Gravy Ladle, each $[illegible]
87[illegible] Medium Ladle, each $7.20

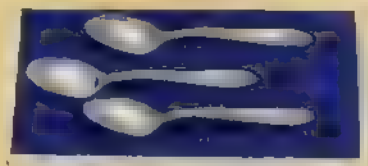
87437 Carving Set, 2 pieces, per set $15.[illegible]
87433 Roast or Steak Set, 2 pieces, per set $10.44
87[illegible] Roast or Steak Set, 3 pieces, per set $14.[illegible]
87430 Carving Set, 3 pieces, per set $[illegible]

Nickel Silver, Silver Soldered Hollow Handles, Stainless Blades

·1847 ROGERS BROS·
SILVERPLATE

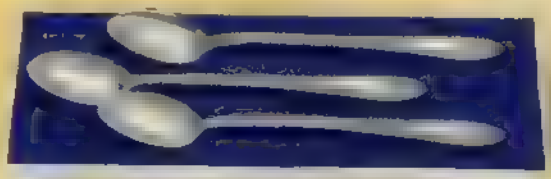
ARGOSY

Fancy pieces in Velvet Lined Gift Boxes without extra charge



87008 Coffee Spoons, set of six $4.59

87001 Baby Spoon, bent handle, each $1.22



87012 Iced Tea Spoons, set of six $7.36

87004 Berry, small or Preserve Spoons, each $3.38

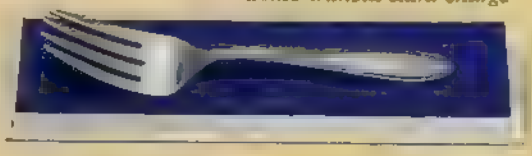
87253 Dessert Server, each $5.22

87483s Six each Solid Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $18.32

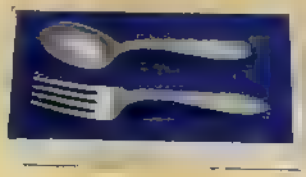
87483 Above, Knives with Plated French Blades, per set $15.70

87484s Six each Solid Handle Dessert Knives, Stainless French Blades, and Flat Dessert Forks, per set $17.xx

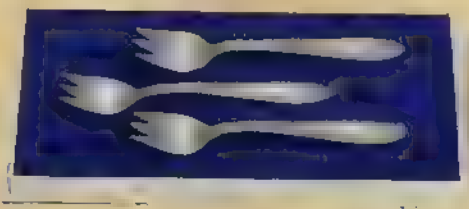
87484 Above, Knives with Plated French Blades, per set $15.24



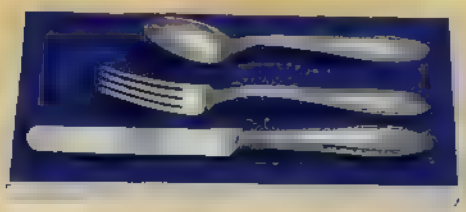
87104 Cold Meat Fork, small, each $2.14



87304 Baby Spoon and Fork, short handles, per set $2.46
87002 Baby Spoon, short handle, each $1.22
87101 Baby Fork, short handle, each 1.22



87105 Ice Cream Forks, set of six $7.xx



87352s Child's Set, 3 pieces, Hollow Handle Knife, per set $4.30
87356b Child's Set, 3 pieces, Solid Handle Knife, per set $3.36
87352 Child's Set, 3 pieces, per set $3.xx

87421s Six each Hollow Handle Dinner Knives, Stainless French Blades, and Flat Dinner Forks, per set $24.82

87421 Above, Knives with Plated French Blades, per set $23.54

87422s Dessert Knives with Stainless French Blades, per set $24.1x

87422 Above, Knives with Plated French Blades, per set $2x.08

87325s Six each Hollow Handle Dessert Knives, Stainless French Blades, and Flat Dessert Forks, per set $24.82

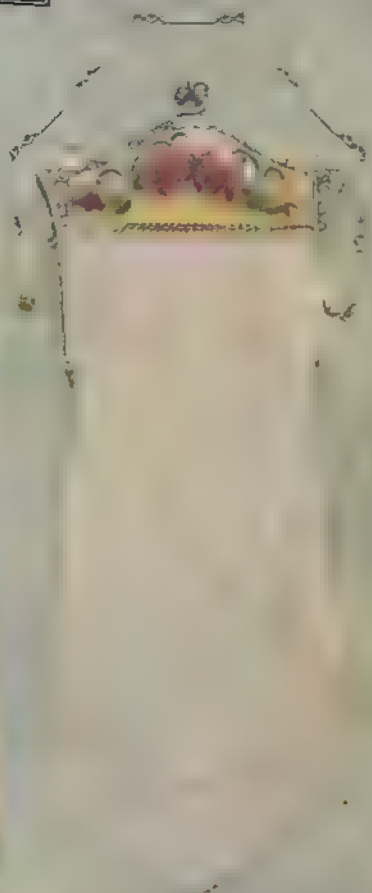
87325 Above, Knives with Plated French Blades, per set $23.22

MESH BAGS
WHITING & DAVIS CO.

TRADE MARK REG. U.S. AND CAN.

41 Baby Soldered Mesh Bag. Dresden enamel finish, 24 karat finish frame. 3 ins. wide, 9 ins. long. $30.00 each

42 Baby Soldered Mesh Bag. Dresden enamel finish, 24 karat finish frame. 4 ins. wide, 7 ins. long. $33.00 each



43 Baby Soldered Mesh Bag with enamel frame. 3 ins. wide, 9 ins. long. Silver plated. $21.00 each
43R 24 karat finish. $24.00 each

44 Baby Soldered Mesh Bag. Dresden enamel finish, 24 karat finish frame. 4 ins. wide, 5½ ins. long. $26.50 each

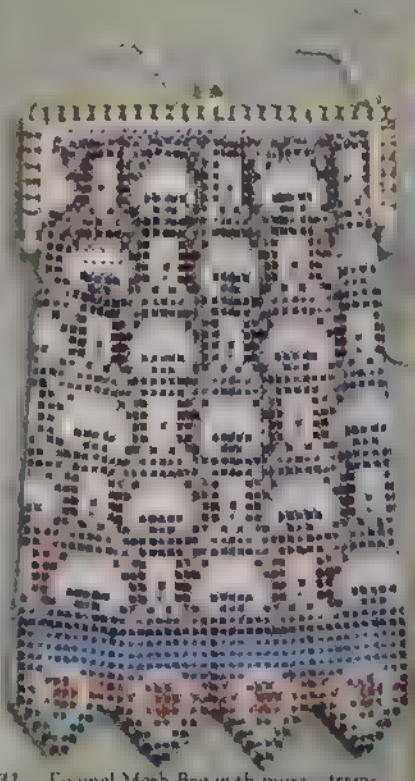
45 Baby Soldered Mesh Bag. Dresden enamel finish, 24 karat finish frame. 4 ins. wide, 5½ ins. long. $22.50 each

46 Baby Soldered Mesh Bag with enamel frame. 4 ins. wide, 6 ins. long. Silver plated. $19.50 each
46R 24 karat finish. $22.50 each

PRINTED IN U.S.A.

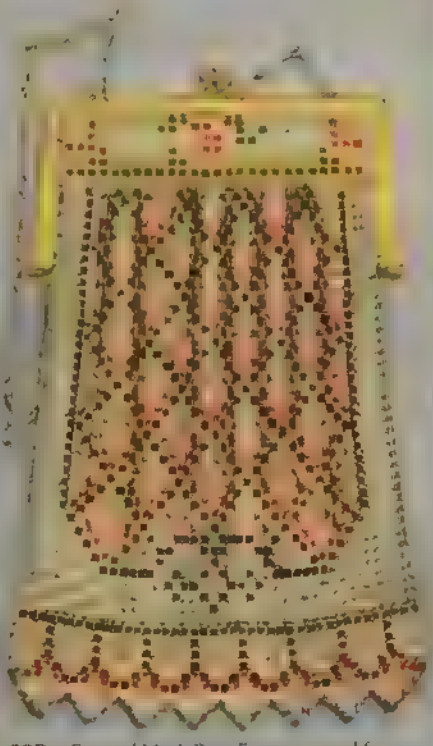
MESH
WHITING & DAVIS CO.
BAGS

TRADE MARK [illegible] AND AN



31 Enamel Mesh Bag with moiré frame
Silver plated 4 ins. wide $12.00 each
31R 5 ins. wide $18.00 each

32R Enamel Mesh Bag with moiré enamel frame
4 ins. wide 24 karat finish $[illegible] each
32 Silver plated $[illegible] each



33R Enamel Mesh Bag. Fancy enamel frame
4 ins. wide 24 karat finish $18.00 each
33 Silver plated $15.00 each

35 Enamel Mesh Bag with filigree
frame 4 ins. wide Silver plated
$[illegible] each
36 5 ins. wide $16.50 each

37R Enamel Mesh Bag. Frame 4 ins. wide
24 karat finish $[illegible] each

38G Enamel Mesh Bag. Fancy frame
set with six square mirrors, two
Antique effect gold finish
4 ins. wide $[illegible] each
39G 5 ins. wide $2[illegible] each

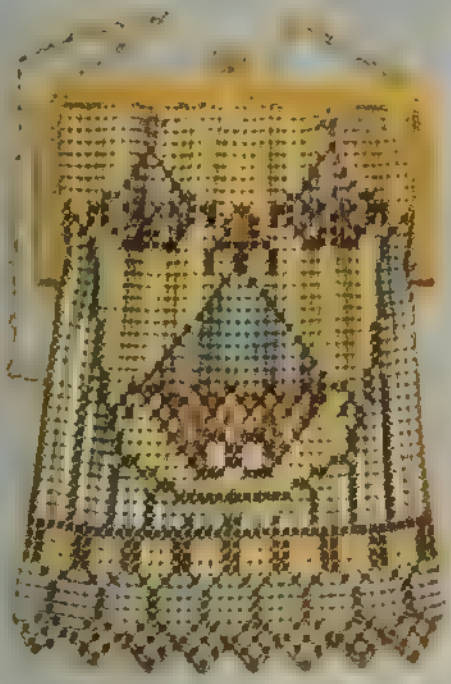
[illegible] TRADE MARKS [illegible]

MESH
WHITING & DAVIS CO
BAGS

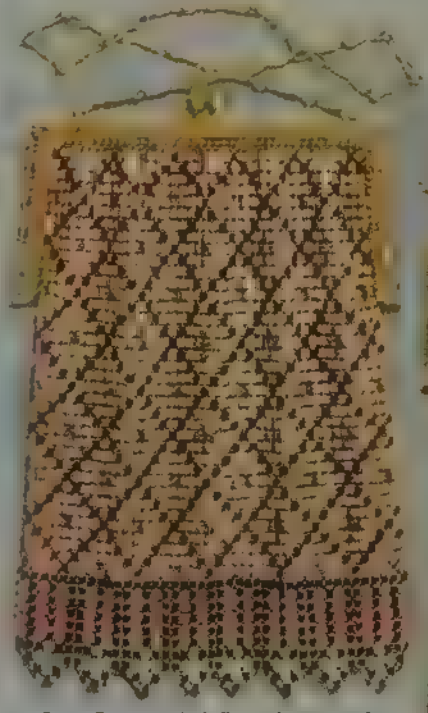
TRADE MARK REG. U.S. AND CAN.

21— Enamel Mesh Bag with silk lining, pockets and mirror. Mosaic frame. Silver plated 4 ins. wide $13.50 each
22 — 5 ins. wide $18.00 each

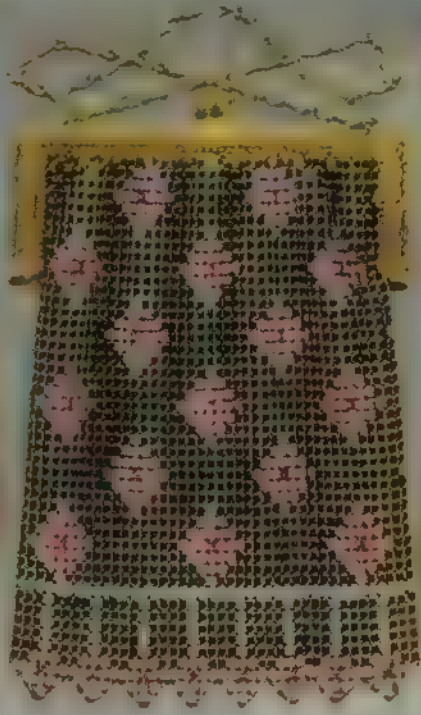
23R Misses' Enamel Mesh Bag
Frame 3 ins. wide 24 karat finish $6.75 each
23 Silver plated $5.25 each



24R — Enamel Mesh Bag with silk lining, pockets and mirror. 24 karat finish. Frame 4 ins. wide $15.00 each
25R — 5 ins. wide $19.50 each



26 Enamel Mesh Bag, silver plated
4 ins. wide $7.50 each
26R — 24 karat finish $10.50 each



27R—Enamel Mesh Bag, 24 karat finish, 4 ins. wide $10.50 each
28R—24 karat finish, 5 ins. wide $15.00 each

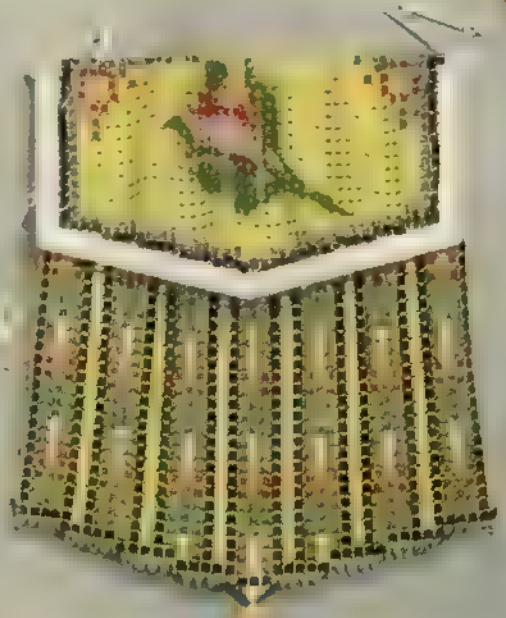
29 Enamel Mesh Bag, silver plated
4 ins. wide $7.50 each
29R 24 karat finish, $9.75 each

MESH BAGS

WHITING & DAVIS CO

TRADE MARK REG. U.S. AND CAN

11
Octago
Cigarette Case
Silver plated.
$24.00 each



12
Princess Mary
Envelope Bag
Enamel mesh
silver plate
4 ins. wide
$12.00 each

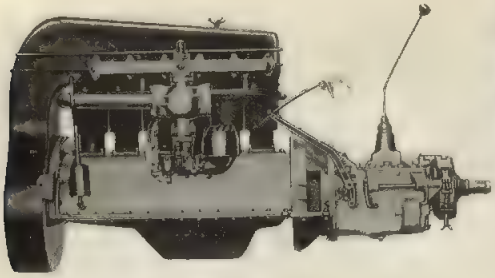
13R
Ladies'
Cigarette Case
Mosaic design
24 karat finish
$9.00 each

14
Cigarette and
Vanity Case
[illegible] rouge
powder, lipstick,
mirror and
compartment
for cigarettes.
Silver plated
$36.00 each

15R Ivory Mesh Pouch Bag with drawstring, one pocket, 24 karat finish, 4 ins. wide, $18.00 each
16R 5 ins. wide, $21.00 each

17 Ivory Mesh Bag Top contains rouge, powder, mirror and compartment for cigarettes. 3 ins. wide, 24 karat finish, $27.00 each

ILLUSTRATIONS ABOUT TWO-THIRDS SIZE



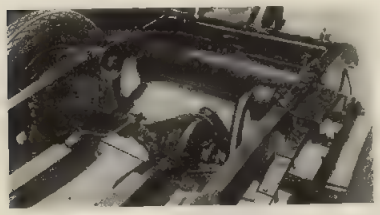
Inlet side of Franklin engine showing crankcase ventilator connection to the three-piece blower housing

Double valve springs used on new Franklin

Spicer universal joints and propeller shafts are retained, but the hollow propeller shafts, instead of being 1½ in. in diameter as formerly, are now 2 in. in diameter on the five-pass. and 3 in. in diameter on the seven pass. model. A guard of sheet metal is fitted over the rear universal joint to prevent any grease from the joint being thrown on the rear wheels.

The rear axle has been completely redesigned but is of the same general type as the former axle; that is, it has a cast aluminum center housing with pressed steel rear cover and steel axle tubes. The pinion shaft is now supported in two Timken roller bearings taking thrust in both directions and providing for adjustment. The differential gear also is carried in Timken bearings and has provisions for sideways adjustment. The center housing is heavily ribbed to prevent any sounding board effect. The gear ring is now made with a flat back instead of a stepped back, which facilitates heat-treatment and tends to minimize distortion, hence gives a truer gear. On the five-pass. chassis a gear ratio of 52:11 is used and on the seven-pass. chassis, of 56:11. The axle is of the semi-floating type and the only connection between it and the frame is through the full-elliptic springs, which give the same effect as a Hotchkiss drive. The front axle is tubular as heretofore, but in view of the increased engine weight and the fact that it now has to support braking strains it is made of a heavier-walled tube.

The Franklin Lockheed application differs in having die-cast aluminum brake shoes. One advantage claimed for these is that the greater coefficient of heat expansion of the aluminum in the shoes compensates for the greater temperature rise of the steel drums, hence the clearance is not affected by heating in service and the position of the brake pedal does not change with rise in temperature of the brake parts. There is only a single flexible connection for the braking fluid from the chassis to the rear axle, a copper tube extending along the axle housing to the brake cylinders at the two wheels. The emergency brake is operated by a lever to the left of the driver.



Showing new axle and brake layout. Note shield over universal joint

The steering gear, which is of the worm and sector type, is of the Franklin company's own manufacture. Formerly a full gear was used instead of a sector, but it was a helical gear which theoretically gives point contact, whereas the sector now used is of a worm gear (throated) and theoretically gives line contact, and longer life is expected from the new construction. The steering post has been increased in diameter to give greater clearances between the concentric tubes within it. These tubes are now separated by anti-rattle spring bushings. Adjustment of the mesh

of the worm and sector is effected by means of an eccentric bushing on the sector shaft. The reduction ratio of the steering mechanism has been increased from 8:1 to 10 1/3:1. Long bronze bushings replace the ball bearings formerly used in the Franklin steering gear. The steering arm is now fastened to the sector shaft by splines instead of by two Woodruff keys. The drag link has been stiffened. With the steering gear as redesigned the 119-in. wheelbase car has a turning radius of 39½ ft. For the export market Franklin this year for the first time furnishes cars with right-hand steering.

The steering post is pivoted at its lower end on a frame bracket and can be adjusted to four different angles by means of the dash bracket. Likewise the brake and clutch pedals are so designed that they can be adjusted to suit drivers of different size. Two finger levers, for the throttle and the headlight control, respectively, and a horn button are mounted on top of the steering wheel. The headlight control switch is located at the top of the steering column.

The 128-in. wheelbase chassis is built with a pressed steel frame. This frame, which has a 6½ by 2 by 1.8-in. section, has a slight drop at both front and rear. Very few cross members are used, and the frame is decidedly flexible, in which respect it resembles the Franklin wood sill frame. Chassis lubrication is by the Zerk system.

Tires are 32 by 6 in. on the 119-in. wheelbase models and 31 by 6.20 in. on the 128-in. wheelbase models. They are mounted on Rubsam demountable rims, of 20 and 19-in. diameter respectively, on artillery wood wheels.

The weight of the five-pass. sedan has been increased from 3320 to 3600 lb., a matter of 280 lb. The seven-pass. sedan weighs about 200 lb. more. In spite of these weight increases the acceleration has been markedly improved. The five-pass. sedan will now accelerate from 5 to 25 m.p.h. in 7¼ seconds as compared with 9 seconds for the Series 11, and from 10 to 40 m.p.h. in 14 seconds, as compared with 19 seconds.

Changes have been made also in the body trim and equipment. Two shades of broadcloth are used for the upholstery of the closed models, a darker shade for cushions, back and arm rests, and a lighter shade for sides, doors and headlining. Pasting lace is eliminated

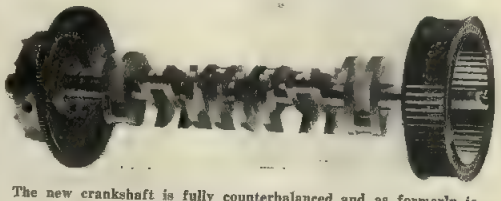
A new model Stromberg carburetor is used on the 1928 Franklin

and kick carpets are provided at the bottom of the doors. Doors are edged with a seaming lace having a cord effect, and a woven molding is applied around the seat backs, body pillars and roof lines. All mountings are of new pattern with a hammered silver finish, inlaid with a fine border line of black. Remote control handles for the door locks are now provided. Additional room is obtained in the front compartment by forming the dash with a recess in which the rear cylinder of the engine stands.

A lower effect is secured on all models by bringing the top of the wheel house 1 in. closer to the tire and lowering the running boards 1 in. Actually the cars are quite low, for the sport sedan, with an inside height of 46 in. has an over-all height of 71 in., and the regular sedan with an inside height of 48 in. has an over-all height of 73 in.

In the sedan, sport sedan and limousine, a redesign of the front pillars has made it possible to narrow them ¼ in. transversely to the line of vision from the driver's seat, and thus to increase the "clear-vision" effect.

A number of options are offered in outside color combinations and the window reveals in all cases are painted in a distinctive color.



The new crankshaft is fully counterbalanced and as formerly is carried in seven bearings

The new Franklin sport touring on 128 in. wheelbase chassis

While the bore of the engine remains 3¼ in., the stroke has been increased from 4 to 4⅜ in., increasing the displacement of the six-cylinder engine from 199 to 236 cu. in. A larger venturi is now used in the carburetor, whereby the volumetric efficiency has been increased, and the compression pressure at 1500 r.p.m. is now 80 lb. gage, instead of about 77.5. The engine peaks at 2600 instead of 2250 r.p.m.

With the increase in power additional heat has to be disposed of by the cooling system, and this is taken care of by the increased length of the copper cooling fins The air duct is now made in three parts instead of in two, as with the old style of construction it would have been impossible to remove the air hood from under the bonnet, owing to the increased height of the engine.

Valves have been increased in size and their capacity has been further increased by casting the cylinders with recesses around the outer part of both valves, so as to give the charge an opportunity to flow more uniformly through the valve opening. The intake valves, which are of the tulip type, have a clear diameter of 1⅝ in. and a lift of 9/32 in., while the exhaust valves have a clear diameter of 1 5/16 in. and a lift of 5/16 in. Both valves are adjusted to a clearance of 0.010 in. when hot. Double valve springs have been adopted, one spring within the other, whereby it has been possible to greatly reduce the stress in the spring material. The spring washer retaining means has been changed to the conventional split cone entering into a recess cut in the valve stem. The inlet valves are made of vanadium steel and the exhaustive valves of Silchrome.

The pistons remain the same as in the Series 11, and so do the piston pins, except for the fact that the latter are now chromium-plated so as to make them more resistant to wear and also more resistant to corrosion. Duralumin connecting rods are continued, but are longer (9½ in. center-to-center length) and also of larger section, on account of the longer stroke. The crankshaft bearings are of the same dimensions as previously, the increase in the bearing loads resulting from the longer stroke and the higher maximum speed being more than balanced, in the case of the main bearings, by the use of counterweights on all crank arms. These counterweights are secured to the arms by two cap screws each, the screws being securely locked. The rotor of the blower at the forward end of the crankshaft has a flexible (rubberized fabric) mounting, which is undoubtedly a factor in the smooth operation of the engine.

The Type T-2 Stromberg carburetor is now used instead of the OE. It has an auxiliary gasoline needle valve which is opened by the choke control. This results in supply of additional fuel as long as the choke is in a closed or partly closed position. The accelerator well is provided with a thermostatically controlled bleeder valve which has the effect of maintaining more fuel in the accelerator well in cold than in warm weather. The electric primer for use when starting in cold weather is retained, as is the air cleaner on the carburetor inlet. The charge on leaving the carburetor passes through an exhaust-jacketed heater and thence through a Swan manifold to the inlet valves. Fuel is carried in a 15-gal. rear tank with a 2-gal. reserve compartment. A Nagel gasoline gage is mounted on the instrument board. Feed to the carburetor is by the Stewart vacuum system. Like the intake manifold, the exhaust manifold is of the Swan type, of substantially square section. An exhaust pipe extends from the latter around the front of the engine to the charge heater on the inlet side, whence another pipe extends to the Powell muffler. The latter has been changed slightly in design so as to reduce the exhaust back pressure. Both manifolds are finished in dull nickel.

The North-East ignition system is now used. It is of the closed circuit type with automatic spark advance. An improvement in the reliability of ignition at both ends of the engine speed range is claimed.

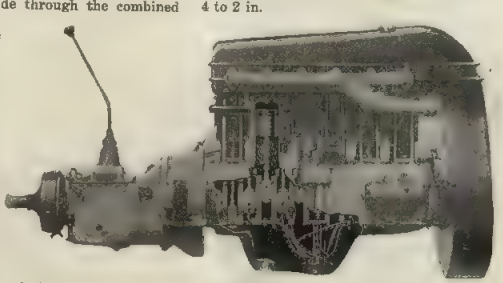
The generator is driven through the front end chain as formerly, and the starter has a Bendix drive. A quickly removable cover is placed in the housing over the pinion, so in case the pinion sticks for any reason it can be quickly inspected and freed. The battery is the same 19-plate, 185-amp.-hr. Willard as used last year.

The principle of the engine lubrication system remains the same. The details have been materially changed, however; where formerly the pump, distributor and connecting tubes were outside the crankcase, they are now all located on the side, considerably cleaning up the engine. Instead of eight, there are now nine leads from the oil distributor, one running to a Purolator oil filter on the forward side of the dash. The valve rockers are lubricated by means of a pad attached to the cover plates. The bearings for the rocker arms have been increased in size and are now bronze-bushed.

Of interest in connection with the oiling system is the method of ventilating the crankcase. A lead is taken off from the air duct of the cooling system on the carburetor side of the engine and extends down to an air filter at the side of the crankcase. From the filter there is a short connection to the forward part of the crankcase, this connection containing a thermostatically controlled valve. When the oil in the crankcase is at 120 deg. F. or more, this valve is closed and the ventilating system does not function, for under these conditions combustion of the fuel is reasonably complete, hence there is no appreciable crankcase dilution, and there is also no danger of moisture condensing in the crankcase. On the other hand, when the engine is cold the valve is open and the over-pressure in the air header causes air from the header to enter the crankcase near the front on the carburetor side and to leave it near the rear on the exhaust side through the combined relief pipe and oil filler. This device is of novel design. The oil filler tube, which of necessity extends upward, is covered by a dust-tight cap, so that no dirt can enter the crankcase through it. The pressure relief tube extends downwardly and discharges below the engine filler plate, which not only tends to keep the side of the engine free from oil vapor but to increase the ventilating effect, for the reason that the discharge is into air at atmospheric pressure, instead of into air at over-pressure, as under the hood. It is claimed that this crankcase ventilating system will completely eliminate trouble from crankcase corrosion. The only part inside the engine which is ordinarily subject to corrosion and beyond the influence of the ventilating system, the piston pin, is chromium-plated and therefore rust-proof. With the new crankcase ventilation system the Franklin company recommends that the crankcase oil supply be renewed every 1500 miles in summer and every 1000 miles in cold weather.

The oilpan is made of pressed steel instead of aluminum, and it can be removed without disturbing the parts referred to. These parts are supported from the upper half of the crankcase, which is of aluminum, as heretofore. The filler plates extending between the crankcase and the frame sills are provided with louvres.

Only one change has been made in the Brown-Lipe single plate clutch, which, as last year, has a flexible rubberized fabric center. This consists in providing the driven disk with holes near its rim, so as to reduce its spinning weight. The transmission also remains substantially the same, but the transmission lock has been replaced by an Electrolock mounted on the instrument board. A reversing light switch is now mounted on the transmission case, automatically lighting up a powerful lamp at the rear of the car when the gear is thrown in reverse. The transmission brake serves now for the emergency instead of the service brake. The diameter of the drum has not been changed and the brake is said to be as powerful as formerly, but the width of the lining has been decreased from 4 to 2 in.



Exhaust side of Franklin engine showing new location of oil and exhaust pipes

New Cars and Models

New, More Powerful Franklin Has Four-Wheel Brakes

By P. M. Heldt

INCREASED piston displacement and increased engine speed—peaking speed—account for an increase of more than 24 per cent in engine horsepower in the new Franklin model, known as the Airman (for service purposes as the Series 12). For the first time in several years the Franklin company offers seven-passenger models and these deviate from the rest of the models in having a pressed steel frame, instead of the woodsill frame continued in the other models. A change has been made in the electrical equipment of the car. The rear axle has been completely redesigned, and four-wheel brakes—Lockheed hydraulic of the internal type—are standard equipment. Although the adoption of four-wheel brakes and the increase in piston displacement has added somewhat to the weight of the different models, the performance has been markedly improved, as the proportional increase in power is greater than the proportional increase in weight. The engine is notable for smoothness of operation, even at the highest speeds, which is ascribed to the use of a fully counter-balanced crankshaft support in seven bearings and of very light reciprocating parts. This smoothness of the engine together with the full-elliptic springing of the chassis, makes the new Franklin a particularly comfortable vehicle at all speeds.

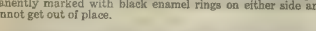
More mechanical changes have been made by Franklin this year than for quite a number of years past, while the body structures are continued without serious alterations, except for the seven-passenger types.

New Franklin Models and Prices

Type	Passengers	Wheelbase	Price
Sedan	4	119 in	$2,790
Oxford	7	119 in	2,815
Sport Sedan	5	119-in	2,910
Victoria	4	119-in	2,740
Coupe	5	119-in.	2 490
Convertible Coupe	3 5	119-in.	2,925
Chassis		119-in	2 000
Sedan	7	128-in	2 850
Oxford	7	128-in	3 015
Limousine	7	128-in	3 080
Sport Runabout	2-4	128-in	2,975
Sport Touring	5	128-in	2,975
Touring	7	128-in.	3,060
Chassis		128-in.	2 050

PLUMBS AND LEVELS
—BLUE GRASS—

First grade white pine, finished with three coats of weather-proof red paint. Plain or fully bound with solid brass or brass plates. All spirit glasses are set solid and protected by heavy lenses, making them dust, dirt, and water-proof. Vials permanently marked with black enamel rings on either side and cannot get out of place.

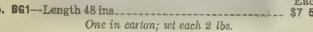


Mason's.

Plain, two plumbs and two levels. Size 2½x1½ inches. Plain.

	Each
No. BG1—Length 48 ins	$7 50

One in carton; wt each 2 lbs.



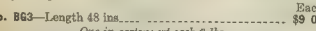
Mason's.

Plain, double construction, four plumbs and two levels, always in a position to use.

	Each
No. BG3—Length 48 ins	$9 00

One in carton; wt each 2 lbs.

Mason's.

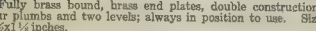


Fully brass bound, brass end plates, double construction; four plumbs and two levels; always in position to use. Size 2½x1½ inches.

	Each
No. BG7—Length 48 ins	$13 50

One in carton; wt each 3½ lbs.

Mason's.



Plain, two plumbs and two levels, may be read either edge or end up. Size 2½x1½ inches.

	Each
No. BG4BE—Length 48 ins; brass ends	$10 20

One in carton; wt each 2¼ lbs.

Carpenter's.

Plain, two plumbs and two levels. Size 2½x1½ inches.

	Each
No. BG118-24—Length 24 ins; wt each 1 lb	$4 20
No. BG118-30—Length 30 ins; wt each 1¼ lbs	4 35

One in carton.

Carpenter's.

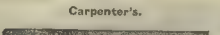
Fully brass bound, brass end plates, two plumbs and two levels. Size 2½x1½ inches.

	Each
No. BG118BB—Length 30 ins	$9 00

One in carton; wt each 2 lbs.

PLUMBS AND LEVELS
—BLUE GRASS—

Carpenter's.

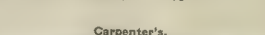


Plain, one plumb and one level. Size 2½x1½ inches.

	Each
No. BG677—Length 16 ins	$2 85

One in carton; wt each ¾ lb.

Carpenter's.

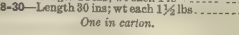


Plain, one plumb and one level. Size 2½x1½ inches.

	Each
No. BG678-24—Length 24 ins; wt each 1 lb	$3 15
No. BG678-30—Length 30 ins; wt each 1¼ lbs	3 30

One in carton.

Carpenter's.

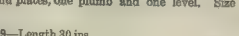


Brass end plates, one plumb and one level. Size 2½x1½ inches.

	Each
No. BG679—Length 30 ins	$4 35

One in carton; wt each 1¼ lbs.

Carpenter's.

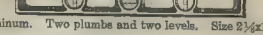


Aluminum. Two plumbs and two levels. Size 2¼x1 inch.

	Each
No. BGA18—Length 18 ins	$10 50

One in carton; wt each 1¾ lbs.

Carpenter's.

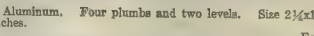


Aluminum. Four plumbs and two levels. Size 2¼x1½ inches.

	Each
No. BGA24—Length 24 ins; wt each 2¼ lbs	$11 25
No. BGA26—Length 26 ins; wt each 2½ lbs	12 30
No. BGA28—Length 28 ins; wt each 2¾ lbs	12 60
No. BGA30—Length 30 ins; wt each 3 lbs	13 20

One in carton.

Mason's.



Aluminum. Four plumbs and two levels. Always in correct position. Size 2½x1½ inches.

	Each
No. BGA42—Length 42 ins	$21 75

One in carton; wt each 4 lbs.

PLUMBS AND LEVELS
STANLEY

Hardwood stock, cherry stained, polished; size 2¾x1⅛ inches; aluminum tipped ends; fitted with four proved non-adjustable glasses, two single plumbs and one double level; all glasses are protected by a heavy glass cover.

Nos.	261-24	261-28
Length, ins.	24	28
Wt each, lbs.	2	2¼
Each	$9 00	9 45

One in cardboard box.

SAND'S

Selected straight grain California white sugar pine stock, air-dried, seasoned for 10 to 12 months before being made into finished stock insures any possibility of warpage; finished with three coats of weather proof red paint.

Carpenter's.

One plumb and one level, protected glasses; size stock 2½x1¼ inches. Each
No. 677—Length 16 ins. $3 45
One in pkg; wt each 1 lb.

Carpenter's.

One plumb and one level top sight, protected glasses; size stock 2½x1¼ inches.

Nos.	678-24	678-30
Length, ins.	24	30
Wt each, lbs.	1	1¼
Each	$3 75	4 20

Half doz in cardboard box.

SAND'S

Carpenter's.

One plumb and one level, brass ends and top plate, top sight, protected glasses; size stock 2½x1¼ inches. Each
No. 679-30—Length 30 ins. $5 70
One in pkg; wt each 1½ lbs.

SAND'S

Carpenter's.

Two plumbs and two levels; protected glasses; size stock 2½x1¼ inches. Use either end or edge for plumb or level.

Nos.	118-24	118-30
Length, ins.	24	30
Wt each, lbs.	1½	1¾
Each	$5 40	5 70

One in pkg.

PLUMBS AND LEVELS
SAND'S

Carpenter's.

Brass bound; two plumbs and two levels, protected glasses; size stock 2½x1¼ inches. Use either end or edge for plumb or level. Each
No. 118BB—Length 30 ins. $10 50
One in pkg; wt each 4 lbs.

SAND'S

Mason's.

Two plumbs and two levels protected glasses; size stock 2½x1¼ inches. Each
No. 1A—Length 48 ins. $9 00
One in pkg; wt each 2½ lbs.

SAND'S

Mason's.

Four plumbs and two levels, protected glasses; size stock 2½x1¼ inches. Each
No. 3A—Length 48 ins. $11 25
One in pkg; wt each 2½ lbs

SAND'S

Mason's.

Brass end plates; four plumbs and two levels, protected glasses; size stock 2¾x1⅛ inches. Each
No. 4ABE—Length 48 ins. $13 20
One in pkg; wt each 3½ lbs.

SAND'S

Mason's.

Brass bound; four plumbs and two levels, protected glasses; size stock 2¾x1¼ inches. Each
No. 7A—Length 48 ins. $16 50
One in pkg; wt each 3½ lbs.

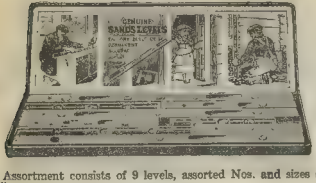
SAND'S Aluminum.

Mason's.

Cast aluminum frame; accurately machined top and bottom. Four plumbs and two levels, protected glasses. Use either end or edge for plumb or level. Each
No. 42SA—Length 42 ins; size stock 2¾x1⅛ ins. $26 25
One in cardboard box; wt each 3½ lbs.

PLUMB AND LEVEL ASSORTMENTS

SAND'S



Assortment consists of 9 levels, assorted Nos. and sizes as follows:

1—No. 1A—48 inch Mason's Wood Level
1—No. 3A—48 inch Mason's Wood Level
1—No. 7A—48 inch Mason's Wood Level
1—No. 118—24 inch Carpenter's Wood Level
1—No. 677—18 Inch Carpenter's Wood Level
1—No. 678—24 inch Carpenter's Wood Level
1—No. 18—18 inch Aluminum Level
1—No. 24—24 inch Aluminum Level
1—No. 30—30 inch Aluminum Level

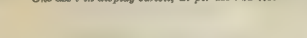
Complete with a six color poster, two window cards, a display box suitable for window or store display and an extra set of the three panels making up the cover poster.

	Per Ass't
No. 9—Complete as described	$90 00

One ass't in display carton; wt per ass't 21 lbs.

PLUMBS AND LEVELS

STANLEY



Mason's.

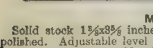
Solid stock 1¾x3⅝ inches soft wood, stained cherry and polished. Adjustable level glass, one non-adjustable plumb. Brass top plate, two side views, adapted to plumb and line. Plain ends, fitted with proved glasses.

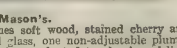
	Per Doz
No. 35—Length 42 ins	$85 50

Half doz in case; wt per doz 64 lbs.

IRON PLUMBS AND LEVELS

STANLEY





Japanned cast iron frame with nickel plated edges; adjustable proved glasses enclosed in nickel plated steel casing. One level glass and two plumbs.

Lgth.	Width	Hgth.	Wt. Ea.	Flat Bottom Nos.	Flat Bottom Each	Gr'ved Bot'm Nos.	Gr'ved Bot'm Each
6 in.	¾ in.	1⅜ in.	1 lb.	36-6	$4 05	------	------
9 "	¾ "	1⅜ "	1½ "	36-9	4 80	36G-9	$4 80
12 "	⅞ "	2⅛ "	2 "	36-12	5 85	36G-12	5 85
18 "	⅞ "	2⅛ "	3 "	36-18	6 90	36G-18	6 90
24 "	⅞ "	2¼ "	4¼ "	36-24	7 80	36G-24	7 80

One in cardboard box.

IRON PLUMBS AND LEVELS

STANLEY

Nickel plated cast iron frame, height 2¼ inches; width ⅛ inch; ground glasses encased in nickel plated adjustable steel eclipse case, which protects glass from being broken; one level glass and two plumbs.

Nos.	37-12	37-24
Length, ins	12	24
Wt each, lbs	2	4¼
Each	$7 80	10 80

One in cardboard box.

ALUMINUM PLUMBS AND LEVELS

SAND'S

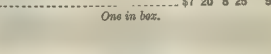
Machinists.

Cast aluminum frame, accurately machined grooved edges. Two plumbs and two levels, use either end or edge for plumb or level. Spirit glasses are covered and hermetically sealed by heavy plate glass lenses.

Nos.	6V	9V	12SA
Length, ins	6	9	12
Height, ins	2	2	2¼
Width, ins	1	1	1⅛
Wt each, lbs	¼	1	1¼
Each	$7 20	8 25	9 90

One in box.

SAND'S

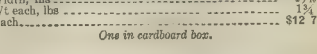


Cast aluminum frame; accurately machined top and bottom. Two plumbs and two levels. Levels either end or edge up. Non-adjustable. Spirit glasses are covered and hermetically sealed by heavy plate glass lenses.

No.	18SA
Length, ins	18
Height, ins	2¼
Width, ins	1 1/16
Wt each, lbs	1¾
Each	$12 75

One in cardboard box.

SAND'S



Cast aluminum frame; accurately machined top and bottom. Four plumbs and two levels. Levels either end or edge up. Non-adjustable. Spirit glasses are covered and hermetically sealed by heavy plate glass lenses.

Nos.	24SA	26SA	28SA	30SA
Length, ins	24	26	28	30
Height, ins	2¼	2¼	2¼	2¼
Width, ins	1 1/16	1 1/16	1 1/16	1 1/16
Wt each, lbs	2	2½	2½	2¾
Each	$14 10	14 70	15 00	16 50

One in cardboard box.

ALUMINUM PLUMBS AND LEVELS

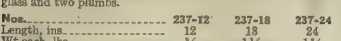
STANLEY

Cast aluminum frame, height 2¼ inches; width ⅞ inch; accurately machined top and bottom, insuring two perfectly parallel surfaces. Adjustable proved glasses enclosed in casing to prevent breaking. One level glass and two plumbs.

Nos.	237-12	237-18	237-24
Length, ins	12	18	24
Wt each, lbs	¾	1¼	1¾
Each	$8 55	10 50	12 30

One in cardboard box.

STANLEY



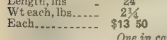
Cast aluminum frame, height 2 inches; width 1⅛ inches; accurately machined top and bottom; fitted with six proved non-adjustable glasses, two double plumbs and one double level; all glasses are protected by a heavy glass cover.

Nos.	232-24	232-26	232-28	232-30
Length, ins	24	26	28	30
Wt each, lbs	2¼	2⅝	2 7/16	2½
Each	$13 50	14 25	15 00	16 20

One in cardboard box.

MACHINISTS' LEVELS

STANLEY



Nickel plated cast iron frame; proved glasses set solid in plaster inside of an iron case; the top plate is entirely separate from the glass.

Nos.	38½	39½
Length, ins	4	6
Wt per doz, lbs	3½	8
Per Doz	$18 90	24 00

Half doz in cardboard box.

STANLEY

Eclipse, V Bottom.

Nickel plated, with ground glasses; for mill wrights and machinists; used in leveling up shafting, pipe, etc.; also used on flat surface as well. The outer shell of the level can be turned so as to completely protect the glass when not in use.

Nos.	34V-6	34V-8
Length, ins	6	8
Wt each, lbs	¾	1¼
Each	$4 35	6 85

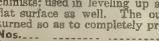
One in cardboard box.

LINE AND SURFACE LEVELS

STEVENS

Aluminum body; end pieces and hooks are formed from one piece of nickel silver; spring nickel silver clips. A handy level for the machinist, millwright, carpenter and electrician, particularly adapted for road and highway construction, in excavation and survey work.

LINE LEVEL



Reverse clips prevent level from falling off line. Length 3 inches.

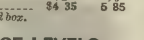
Per Doz

No. 550—Wt each ½ oz.... $12 75

COMBINATION LINE AND SURFACE LEVEL

Attached with patented spring clips, can be used either with line or on flat or circular surfaces for leveling. Length 3 inches. Per Doz

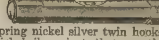
No. 552—Wt each ⅝ oz..... $18 75



One doz in cardboard box.

LINE AND SURFACE LEVELS

HALLS



An accurate proved level glass placed in octagon aluminum tube with spring nickel silver twin hooks attached at each end by two nickel silver rivets that pass through the tube and each pair of hooks holding them firmly in place. A metal carrier is provided to hold the level in place allowing it to rest on the under flat plumbing door and window frames. The most important feature is its use on a line for laying out foundations, grading, sewering and all classes of construction. Per Doz

No. 1921—Length 3 ins $12 75

One doz in cardboard box; wt per doz ½ lb.

POCKET LEVELS

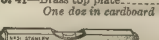
STANLEY

Iron body, japanned, steel set screw, can be attached to any straight edge or carpenter's square. Length 3¼ in. Per Doz

No. 40—Iron top plate..... $5 85

No. 41—Brass top plate..... 8 00

One doz in cardboard box; wt per doz 2 lbs.



STANLEY

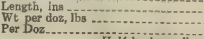
Nickel plated, hexagon shaped steel case; proved glasses.

Nos.	31-2½	31-3
Length, ins	2½	3
Wt per doz, lbs	¾	1
Per Doz	$13 50	16 50

Half doz in cardboard box.

LEVEL GLASSES

STANLEY



Proved glasses extra thick tubing. By a patented process each glass is marked at its central or crowning point by two indelible lines, enabling the user to very quickly center the bubble.

Straight Sizes.

Nos.	1S	1⅛S	1⅛S	1⅜S	2S	2½S	3S	3½S
Length, ins	1	1¼	1½	1½	2	2½	3	3½
Per Doz	$2 55	2 55	2 55	2 55	3 00	3 30	3 45	3 60

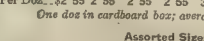
One doz in cardboard box; average wt gro 1¾ lbs.

Assorted Sizes. Per Ass't

No. 126A—Ass't consists of 12 glasses, 4 each, 1¾, 3 and 3½ in. glasses..... $3 30

BIT AND SQUARE LEVELS

STANLEY



Per Doz

No. 44—Cast brass frame and set screw, width 1½ ins; fits regular steel square and auger bits..... $14 40

One in cardboard box; wt per doz 2 lbs.

LEVEL SIGHTS

STANLEY

Adjustable cast iron frame, polished and blued finish; steel set screws; width of clamp 1⅝ in.; for long distance leveling. Per Doz Pairs

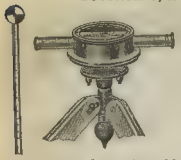
No. 1—For Wood Levels..... $35 25

No. 2—For Metal Levels..... 35 25

One pair in cardboard box; wt per doz pairs 8 lbs.

FARM LEVELS

BOSTROM'S, With Telescope.



This level and telescope will answer every purpose for grading, road building, leveling foundations, setting out orchards, running fences, ditching, terracing, irrigation work, land drainage, etc.

The outfit includes level, which has brass telescope with magnifying lenses, enabling the operator to read the target a quarter of a mile or more away; also, neat wood box for keeping level when not in use; tripod, graduated rod and target, together with full instructions how to test, adjust and operate.

	Each
No. 28—Length of telescope (closed) 9½ ins; diam of turret 4 ins	$58 50

Level in wood box, tripod and target rod wrapped in paper; wt each complete 15 lbs.

PLUMB BOBS

Polished brass, steel points; finely finished, has screw plug in top through which cord passes.

Nos.	Wt each, ozs	Diam, ins	Lgth over all, ins	Per Doz
55-5	6	1	4½	$36 00
55-8	8	1⅛	4¾	39 00
55-12	12	1⅛	5¾	54 00
55-16	16	1⅝	6	72 00

One in cardboard box.

STEARNS

Solid Steel; nickel plated finish over a heavy coat of copper electroplated. Highly polished; can't rust; solid brass screw, accurate and true in every respect.

Nos.	Wt each, ozs	Diam, ins	Lgth over all, ins	Per Doz
60	9½	1½	3	$24 75
80	18	1⅝	4	31 50

One in shaped wood box.

Hexagon.

Solid steel hexagon body with round hardened point; polished and nickel plated on heavy copper plate; screw lug in top through which the cord passes; will not roll when not in use.

Nos.	10	20
Wt each, ozs	8	12
Diam, ins	1	1¼
Length over all, ins	3¼	3¾
Per Doz	$16 50	21 00

Half doz in cardboard box.

Polished cast brass, hardened steel point.

Nos.	5	6
Wt each, ozs	6½	11½
Diam, ins	1 1/16	1⅜
Length over all, ins	3	3
Per Doz	$17 25	25 50

Half doz in cardboard box.

PLUMB BOBS

Hexagon Brass.

Solid brass, highly polished and buffed, lacquered finish.

Nos.	500	800	1200
Wt each, ozs	5	8	12
Length, ins	3½	3⅝	4
Diam, ins	¾	⅞	1
Per Doz	$9 75	12 00	16 50

Half doz in cardboard box.

Soft grey iron; nickel plated.

	Per Doz
No. M28—Wt each 5½ ozs; diam 1⅝ ins; length over all 3 ins	$6 00

One doz in cardboard box.

Soft grey iron; nickel plated.

	Per Doz
No. N30—Wt each 14¾ ozs; diam 1¾ ins; length over all 3¾ ins	$7 50

Half doz in cardboard box.

Iron; black japanned.

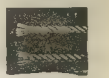
Nos.	1	21	22
Wt each, lbs	¼	1	2
Diam, ins	1½	1⅞	2⅜
Length over all, ins	2½	3⅝	4
Per Doz	$3 30	6 00	10 50

No. 1, one doz, Nos. 21 and 22, half doz in wood box.

COTTON CHALK LINES

WHITE

Nos. 6 or 66
Nos. 7 or 77



Nos.	4	5	6	7	66	77
	50 foot balls.				100 foot balls.	
Wt per doz, lbs	5/6	9/10	1⅛	1⅜	1¼	2
Strand	15	18	21	24	21	24
Per Doz Balls	$1 65	1 80	2 10	2 25	3 60	4 05

One doz balls in cardboard box.

YELLOW

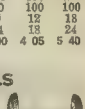
Twelve hanks connected.

Nos.	185	245	180	240
Ft in hank	50	50	100	100
Wt per gro hanks, lbs	6	9	12	18
Strand	18	24	18	24
Per Doz Hanks	$2 25	3 00	4 05	5 40

One doz hanks in cardboard box.

CHALK LINE REELS

STANLEY'S



Polished hardwood; diam at ends 2 ins; diameter at center ½ in; diameter axle hole 1/4 in; length between ends 2 ins; length over all 2¾ ins.

	Per Doz
No. 12—Wt per doz about ¾ lb	$4 05

Three doz in cardboard box.

FIRE PROOF SAFES

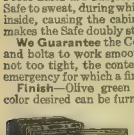
COLUMBIAN SAFE AND LOCK CO.

One piece flanged front and back air chamber. The back and front is a solid one piece, formed by flanging a square steel plate on a powerful machine—the front is then died out, forming the door frame—the door is thus made from the part that has been cut out in making the frame. After this process the front and backs are electrically welded to a solid one piece of sheet steel, which forms the top, bottom and sides, eliminating rivets, etc., which makes as nearly a solid construction as is possible to make.

An important feature, found in no other make, is an air chamber all around the inside, top, bottom, back and sides of the Safe. This air chamber is made of a double cabinet, one contained in the other, so there is a space of ¾ of an inch all around. This is done to eliminate a common complaint to which all Fire Proof Safes are subject—that is, dampness, which causes the Safe to sweat, during which process this sweat will go toward the inside, causing the cabinet work to warp. This air chamber makes the Safe doubly strong and secure in case of fire.

We Guarantee the Columbian Safes to be dry, and the locks and bolts to work smoothly, the doors will fit—not too loose, not too tight, the contents will be protected from fire in any emergency for which a fire-proof safe is intended.

Finish—Olive green (unless black is specified) any other color desired can be furnished at additional cost.



Single outside door fitted with combination locks unless key locks are specially ordered.

Customer's name painted on safes free of charge.

Without Inside Door.

Outside, ins.....16x9½x10¾ deep
Inside, ins.....10x6x6½ deep
Three shelves, ins.....3¾x6
Each

No. 201—Approx wt 75 lbs..... ✦$61 50

Without Inside Door.

Outside, ins.....23x13½x18 deep
Inside, ins.....12¼x8¾x9¾ deep
Cash box, ins.....4x5
One book space, ins.....8⅝x12
One book space, ins.....3x4
One drawer, ins.....3x4
Each

No. 202—Approx wt 215 lbs..... ✦$120 00

Without Inside Door.

Outside, ins.....26¼x16⅝x19¼ deep
Inside, ins.....13¼x9¼x10½ deep
Cash box, ins.....6x5
One book space, ins.....3¾x13
One book space, ins.....4⅜x6
One drawer, ins.....3x5
Each

No. 202½—Approx wt 360 lbs..... ✦$147 25

Without Inside Door.

Outside, ins.....28¼x18x20¾ deep
Inside, ins.....15½x10½x11 deep
Cash box, ins.....5x6
One book, space, ins.....4½x15
Two book spaces, ins.....3x5
One drawer, ins.....3x5
Each

No. 203— Approx wt 435 lbs..... ✦$163 00

✦F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

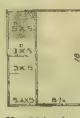
Single outside door, fitted with combination lock.

Safes with inside door, fitted with key lock.

Without Inside Door.

Outside, ins.....30⅝x20x22½ deep
Inside, ins.....17¼x12¼x12 deep
Cash box, ins.....6x5
One book space, ins.....6¼x17
One book space, ins.....4½x5
One drawer, ins.....8x5
One pigeon hole, ins.....3x6
Each

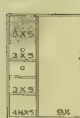
No. 203½—Approx wt 565 lbs..... ✦$168 00



Without Inside Door.

Outside, ins.....32¾x23x25 deep
Inside, ins.....18½x14½x13 deep
Cash box, ins.....6x5
One book, space, ins.....8¾x18
One book, space, ins.....5¾x5
One drawer, ins.....8x5
One pigeon hole, ins.....3x5
Each

No. 204—Approx wt 795 lbs..... ✦$202 50



With Inside Door.

Outside, ins.....37x25¼x27 deep
Inside, ins.....20⅝x15¼x13 deep
Cash box, ins.....6x5
One book space, ins.....9¼x19¼
One book space, ins.....4½x6
Two drawers, ins.....3x5
One pigeon hole, ins.....3x6
Each

No. 205—Approx wt 1060 lbs..... ✦$258 75

With Inside Door.

Outside, ins.....39¼x26x28¼ deep
Inside, ins.....22⅝x16¼x14 deep
Cash box, ins.....5x6
Two book spaces, ins.....5x18
Three drawers, ins.....3x5
Two pigeon holes, ins.....6x3½
Two pigeon holes, ins.....3x5
Each

No. 206—Approx wt 1190 lbs..... ✦$290 25

With Inside Door.

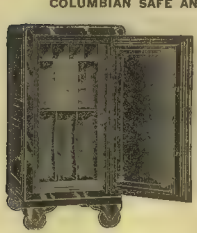
Outside, ins.....41½x28¾x29¼ deep
Inside, ins.....24¾x18½x14 deep
Cash box, ins.....6x6
Two book, spaces, ins.....6½x20
Three drawers, ins.....3x6
Two pigeon holes, ins.....6½x3½
Two pigeon holes, ins.....3½x6
Each

No. 207—Approx wt 1480 lbs..... ✦$324 00

✦F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.



Single outside door fitted with combination lock. With single inside door fitted with key lock.

With Inside Door.

Outside, ins. ..... 63x30½x80 deep
Inside, ins. ..... 34½x19½x14 deep
Cash box, ins. 6x6
One book space, ins. 12½x18
One book space, ins. 12½x16½
One book space, ins. 6x17⅝
Three drawers, ins. 3x6

Each

No. 208—Approx wt 1980 lbs **$477 00**

With Inside Door.

Outside, ins. ..... 67½x32x30 deep
Inside, ins. ..... 48x19½x14½ deep
Cash box, ins. 6x6
Four book spaces, ins. 12x20
One book space, ins. 6x20
Four drawers, ins 3½x6
Four pigeon holes, ins. 4½x6¼

Each

No. 209—Approx wt 2600 lbs **$654 00**

With Double Outside and Inside Doors.

Outside, ins. ..... 47½x34x30½ deep
Inside, ins ..... 27¾x22x16 deep
Cash box, ins. 6x6
Two book spaces, ins. 7⅝x20½
One book space, ins. 10¾x6
Three drawers, ins 3x6
Two pigeon holes, ins. 2½x7⅞
Four pigeon holes, ins. 2½x3⅞

Each

No. 210—Approx wt 1900 lbs **$646 50**

F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

Have double outside folding doors with combination lock. Furnished with double folding inside doors with bolt.

With Double Outside and Inside Doors.

Outside, ins. ..... 54x38½x31¾ deep
Inside, ins. ..... 34½x26½x16½ deep
Cash box, ins. 7x7
Two book spaces, ins. 8½x20
Two book spaces, ins 5½x13½
One book space, ins. 8x16⅝
Two drawers, ins. 3x7
One pigeon hole, ins 3x8
Two pigeon holes, ins. 3½x7
Three pigeon holes, ins. 2½x4½

Each

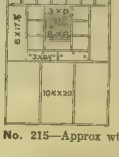
No. 211—Approx wt 2535 lbs **$727 50**

With Double Outside and Inside Doors.

Outside, ins. ..... 67½x42½x33 deep
Inside, ins. ..... 44x28½x16 deep
Cash box, ins. 8x8
Three book spaces, ins 9x20
Two book spaces, ins. 5½x23½
Five drawers, ins. 2¾x8
Twelve pigeon holes, ins ..... 3¹⁄₁₆x4

Each

No. 214—Approx wt 3735 lbs **$954 00**

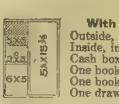


With Double Outside and Inside Doors.

Outside, ins. ..... 65½x46½x33¾ deep
Inside, ins. ..... 42x32¾x16 deep
Cash box, ins. 8x8
Three book spaces, ins. 10½x20
Two book spaces, ins. 6x17⅝
Two drawers, ins 3x9½
Two drawers, ins. 3x8
Six pigeon holes, ins. 4½x5½
Seven pigeon holes, ins. 4⅝x3⅜

Each

No. 215—Approx wt 4110 lbs **$985 50**



With Single Outside and Inside Doors.

Outside, ins. ..... 26¾x16⅝x19½ deep
Inside, ins. ..... 15⅝x11⅜x10 deep
Cash box, ins. 5x5
One book space, ins. 5½x15⅜
One book space, ins. 8x5
One drawer, ins. 8x5

Each

No. 240—Approx wt 330 lbs **$153 00**

F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

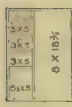
Outside door fitted with combination lock. Inside door fitted with key lock, except Nos. 248 and 249 with bolt.

With Single Outside and Inside Doors.

Outside, ins. 28¼x18x20⅝ deep
Inside, ins. 17⅝x12⅝x10½ deep
Cash box, ins. 5x5
One book space, ins. 6⅜x17
One book space, ins. 5½x5
One drawer, ins. 3x5
One pigeon hole, ins. 3x5

Each

No. 241—Approx wt 365 lbs. ✚$170 25



With Single Outside and Inside Doors.

Outside, ins. 30⅝x20x22½ deep
Inside, ins. 19x14x12 deep
Cash box, ins. 6x5
One book space, ins. 8x18⅝
One book space, ins. 6½x5
One drawer, ins. 3x5
One pigeon hole, ins. 3x5

Each

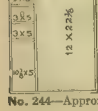
No. 242—Approx wt 505 lbs. ✚$195 00

With Single Outside and Inside Doors.

Outside, ins. 32¾x23x23½ deep
Inside, ins. 20⅝x16⅞x14 deep
Cash box, ins. 5x5
One book space, ins. 10½x20x14
One book space, ins. 5x8
One drawer, ins. 3x5
One pigeon hole, ins. 3x5

Each

No. 243—Approx wt 705 lbs. ✚$226 50



With Single Outside and Inside Doors.

Outside, ins. 36⅞x25½x27 deep
Inside, ins. 23x18x16 deep
Cash box, ins. 5x5
One book space, ins. 12x22⅜x16
One book space, ins. 10⅜x5
One drawer, ins. 3x5
One pigeon hole, ins. 3x5

Each

No. 244—Approx wt 890 lbs. ✚$259 50

✚F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK COMPANY

With Single Outside and Inside Doors.

Outside, ins. 39¼x26x28¼ deep
Inside, ins. 25⅝x20½x16 deep
Cash box, ins. 6x6
Two book spaces, ins. 6½x19
One book space, ins. 12½x5
Two drawers, ins. 3x6
Two pigeon holes, ins. 6¼x2⅝
Four pigeon holes, ins. 3x2⅝

Each

No. 246—Approx wt 1000 lbs. ✚$290 25

With Single Outside and Inside Doors.

Outside, ins. 41½x28¾x29¼ deep
Inside, ins. 26½x21x18 deep
Cash box, ins. 6x6
One book space, ins. 9⅛x20
One book space, ins. 12x14⅛
One book space, ins. 9⅛x7⅝
Two drawers, ins. 3x6
Two pigeon holes, ins. 3x6⅝
Two pigeon holes, ins. 27x5⅝

Each

No. 247—Approx wt 1270 lbs. ✚$323 25

With Double Outside and Inside Doors.

Outside, ins. 48¾x32x30 deep
Inside, ins. 32½x22½x16 deep
Cash box, ins. 6x6
Two book spaces, ins. 7½x18
Two book spaces, ins. 7½x13¼
One book space, ins. 6x12
Two drawers, ins. 3x6
Two pigeon holes, ins. 3x6

Each

No. 248—Approx wt 1745 lbs. ✚$589 50

With Double Outside and Inside Doors.

Outside, ins. 46¾x34x30 deep
Inside, ins. 30x24⅛x17½ deep
Cash box, ins. 6x6
Two book spaces, ins. 12x19¾
Two book spaces, ins. 8⅛x9¾
One drawer, ins. 3x6

Each

No. 249—Approx wt 1650 lbs. ✚$589 50

✚F. O. B. Ohio Factory Only.

D 4

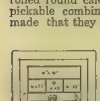
FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

With Burglar Chests.

Same general construction as safes shown on preceding pages with the exception of being fitted with burglar chests.

The chests are of five-ply steel, the door is hung on crane hinges, closed with lever eccentric pressure. Door and frame is made a tenon and groove style, asbestos packed. The bolt work is double acting, made of 1-inch cold rolled round calendar steel, and securely locked with an unpickable combination lock. The dial and handle are so made that they cannot be driven in or out.

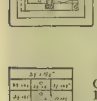


With Single Outside and Inside Door.

Outside, ins	39¼x26x28¼ deep
Inside, ins	22⅝x16¾x16 deep
Chest, inside, ins	12x16x8½
One shelf, ins	4x16
Two pigeon holes, ins	4x6½
One drawer, ins	4x6

Each

No. 206C—Approx wt 1600 lbs. ✣$888 00



With Single Outside and Inside Door.

Outside, ins	41⅛x28¾x29½ deep
Inside, ins	25⅞x20x16 deep
Chest, inside, ins	12x16x8½
One shelf, ins	3½x19½
Four pigeon holes, ins	3½x6½
Two drawers, ins	3½x6½

Each

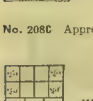
No. 207C—Approx wt 1900 lbs ✣$921 00

With Single Outside and Inside Door.

Outside, ins	53x30½x30 deep
Inside, ins	35½x20¾x16 deep
Chest, inside, ins	12x16x8½
Two book spaces, ins	6⅞x18½
Three pigeon holes, ins	2½x4½
One pigeon hole, ins	2½x6
Five drawers, ins	3½x6

Each

No. 208C Approx wt 2400 lbs ✣$1074 00



With Single Outside and Inside Door.

Outside, ins	67½x32x30 deep
Inside, ins	47x19x16 deep
Chest, inside, ins	12x16x8½
Two book spaces, ins	6x22
Eight pigeon holes, ins	4⅞x5
Six drawers, ins	3⅞x6

Each

No. 209C—Approx wt 3100 lbs ✣$1251 00

✣F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

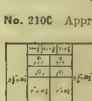
COLUMBIAN SAFE AND LOCK CO.

With Double Outside and Inside Doors.

Outside, ins	47½x34x30 deep
Inside, ins	29x14x16 deep
One book space, ins	6x14½
One book space, ins	5½x10
One book space, ins	5½x18½
Three pigeon holes, ins	3x5½
One pigeon hole, ins	4½x5½
Three drawers, ins	3x6
One drawer, ins	4½x6

Each

No. 210C Approx wt 2400 lbs ✣$1248 00

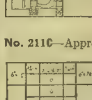


With Double Outside and Inside Doors.

Outside, ins	54x38½x31¾ deep
Inside, ins	35x28x16 deep
Two book spaces, ins	6⅜x20½
Two book spaces, ins	7x10⅝
Three pigeon holes, ins	3x4⅝
Four drawers, ins	3x7

Each

No. 211C—Approx wt 3000 lbs ✣$1325 25



With Double Outside and Inside Doors.

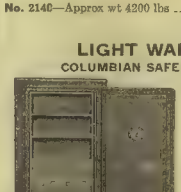
Outside, ins	67½x42½x33 deep
Inside, ins	44x28⅜x16 deep
Two book spaces, ins	6x22
One book space, ins	10⅜x14
Two pigeon holes, ins	6x7½
Sixteen pigeon holes, ins	3⅞x4
Eight drawers, ins	3⅞x7

Each

No. 214C—Approx wt 4200 lbs ✣$1551 00

LIGHT WALL SAFES

COLUMBIAN SAFE AND LOCK CO.



For Filing Safes.

Substantially constructed of heavy steel; with unpickable lock. Made in three sizes as shown below.

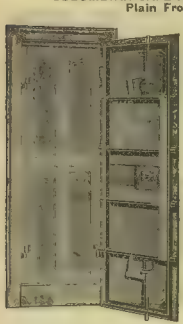
Prices are for safes only. Cabinet work can be arranged to suit purchaser, in either wood or metal at a nominal additional cost.

Nos.	251	252	253
Outside dimension, ins.	Height 62½	67½	77
	Width 27½	32	40½
	Depth 24	23	27
Inside dimensions, ins.	Height 48	53	61
	Width 20	25	33
	Depth 16	16	19
Approx wt lbs.	1500	1800	2350
Each	✣$606 00	✣600 00	✣1017 00

✣F. O. B. Ohio Factory Only.

FIRE PROOF VAULT FRONTS

COLUMBIAN SAFE AND LOCK CO.
Plain Front.



Dimensions: Inside clearance 28x74 inches. Made to fit an 18 inch wall. Clear opening in wall to receive vault, 32x77 inches.

The door is hung on two or three hinges, as ordered. **Bolt Mechanism** consists of 2x2x¼ inch bolt frame, with five 1 inch round calendar steel bolts, three operating cross ways, one up and down, controlled by Yale sliding bolt combination lock operated with lever handle. The inner doors are made in two-fold batten bar and fitted with up and down flat bolts and locked with flat key lock.

Each

No. 264—Wt each about 575 lbs..... ✤$412 50
Crated.

The doors are hung on three strong hinges.

Bolt Work is constructed of 2x1x¼ inch U bar bolt frame, with six round 1 inch calendar steel bolts, four operating across, one up and one down, controlled by Yale sliding bolt combination lock and operated with lever handle. Inner door made in two folds, batten barred and fitted with flat up and down bolts and locked with flat key lock. Rear flanges so made that they can be taken off and vault placed in position leveled; then fill up all crevices place back flanges, and vault will be ready for use.

Each

No. 266—Wt each about 690 lbs..... ✤$477 00
Crated.

The outer door of this vault is made 1 inch thick, made in flange form on both door and frame. **Bolt Mechanism** consists of 2x2x¼ inch angle iron bolt frame, with six 1 inch round calendar steel bolts, four operating across, one up and one down, controlled by Yale sliding bolt combination lock operated with lever handle. Inner doors made in two folds, batten barred and fitted with flat up and down bolts and locks with flat key lock. Rear flanges so made that they can be taken off and vault placed in position; then fill all crevices, place back flanges and vault will be ready for use.

Each

No. 265—Wt each about 590 lbs..... ✤$441 00
Crated.

SILVER CLOSETS

Residence Type.

Especially adapted for the protection of silverware and other valuable household articles against theft and fire.

Substantially built of heavy steel; the door is hung on three strong hinges; unpickable lock. Has four shelves, and 4 small and one large drawer with separate keys. An almost indispensible item in the finer homes.

No.	260
Outside, ins.	72x24x22 deep
Inside, ins.	69x20x18 deep
Wt about lbs	590
Each	✤$545 25

✤F. O. B. Ohio Factory Only.

STEEL LOCKERS

DURAND

Wherever there is need for sanitary fireproof and indestructible lockers in schools, colleges, factories, clubs, stores and offices, Durand Steel Lockers have given unequaled satisfaction.

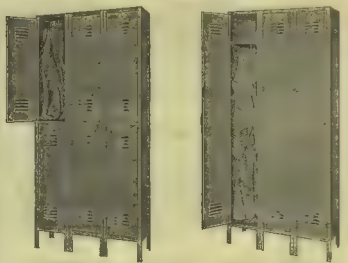
Carefully constructed of best furniture steel. The doors are fitted with invisible hinges, securely riveted on inside of doors. All doors are fitted with Yale or Miller flat key locks, masterkeyed. Perfectly ventilated and comparatively dust-proof.

The entire locker, inside and out, is finished in two coats of black japan or olive green enamel, each coat baked on at 400° temperature. It is the most durable covering to apply to steel, will not peel or crack, can be washed without destroying the glossy finish.

Shipped knocked down to save excessive freight charges, but are easily assembled as all parts fit accurately.

Sizes given below are standard, other sizes can be made up special.

Note—When ordering, specify finish wanted.



Double Tier. Single Tier.

Prices on application.

DOUBLE TIER

Size, ins			Height over all, ins	Shipping wt each, lbs	Each
Width	Depth	Height			
12	12	36 or 42	78 or 87	70	✤
12	15	36 or 42	78 or 87	75	✤
15	15	36 or 42	78 or 87	80	✤
15	18	36 or 42	78 or 87	85	✤
18	18	36 or 42	78 or 87	90	✤

SINGLE TIER

Size, ins			Height over all, ins	Shipping wt each, lbs	Each
Width	Depth	Height			
12	12	60 or 72	66 or 78	55	✤
12	15	60 or 72	66 or 78	60	✤
15	15	60 or 72	66 or 78	65	✤
15	18	60 or 72	66 or 78	70	✤
18	18	60 or 72	66 or 78	75	✤
18	24	60 or 72	66 or 78	80	✤
24	24	60 or 72	66 or 78	85	✤

✤F. O. B. Illinois Factory Only.

COMMUNITY PLATE

THE
Hampton Court
Bright Butler Finish
A new design—adapted by Community craftsmen from a decorative motif adorning the magnificent reception room in Hampton Court Palace, England, owned by the famous Cardinal Wolsey in the reign of King Henry VIII -1491 to 1547 A. D.
DINNER KNIFE
DINNER FORK
TABLE SPOON

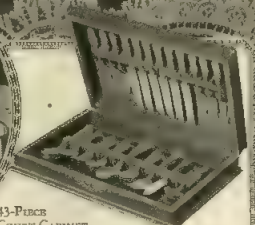
50 YEAR REPLACEMENT GUARANTEE

SPOONS—*Six in Box*	*Per Doz*
Tea	$9 76
Dessert	14 88
Table	19 52
Soup (Round Bowl)	19 52
FORKS—*Six in Box*	
Dinner	19 52
Dessert	18 88

KNIVES (*Pierced Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz*
Hollow Handle Dinner	$ 31 20
Hollow Handle Dessert	30 48
Modeled Handle Dinner	19 84
Modeled Handle Dessert	19 12

KNIVES (*Stainless Blades*) Six in Blue Velvet Lined Gift Box	*Per Doz*
Hollow Handle Dinner De Luxe	$ 36 80
Hollow Handle Dessert De Luxe	36 08
Modeled Handle Dinner	21 48

COMMUNITY PLATE



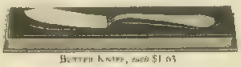
29 or 26 Pieces in Free Petit Buffet

With Hollow Handle	DeLuxe Stainless Din. Knives,	$46 04
With Hollow Handle	DeLuxe Stainless Des. Knives,	45 36
With Modeled Handle	Stainless Dinner Knives,	38 38
With Hollow Handle	Plated Blade Dinner Knives,	43 24
With Hollow Handle	Plated Blade Dessert Knives,	42 56
With Modeled Handle	Plated Blade Dinner Knives,	37 56
With Modeled Handle	Plated Blade Dessert Knives,	36.88

29 or 26 Pieces in Duo Service Trays

With Hollow Handle	DeLuxe Stainless Din. Knives,	$48 12
With Hollow Handle	DeLuxe Stainless Des. Knives,	47 44
With Modeled Handle	Stainless Dinner Knives,	40.46
With Hollow Handle	Plated Blade Dinner Knives,	45 32
With Hollow Handle	Plated Blade Dessert Knives,	44 64
With Modeled Handle	Plated Blade Dinner Knives	39 64
With Modeled Handle	Plated Blade Dessert Knives,	38.96

Sugar Spoon, *each* $1 63



Butter Knife, *each* $1 63

Butter Knife and Sugar Spoon, *set* $3 24

Cold Meat or Serving Fork, *each* $3 25
For serving cold meat or fowl
Small Cold Meat or Sardine Fork, *each* $2 61

Berry or Serving Spoon, *each* $4 56
Small Berry or Preserve Spoon, *each* $3.58

All Correct Service Pieces

43-Piece Court Cabinet

29-Piece Court Cabinets

With Hollow Handle	DeLuxe Stainless Din. Knives,	85 88
With Hollow Handle	Plated Blade Dinner Knives,	81 08
With Modeled Handle	Stainless Dinner Knives,	64 22

(26 Piece Court Cabinets Same Prices as 29-Piece)

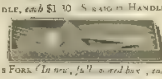
43-Piece Court Cabinets

With Hollow Handle	DeLuxe Stainless Din. Knives,	$78 88
With Hollow Handle	Plated Blade Dinner Knives,	76.08
With Modeled Handle	Stainless Dinner Knives,	71 22

56-Piece Court Cabinets

With Hollow Handle	DeLuxe Stainless Din. Knives,	$104 76
With Hollow Handle	Plated Blade Dinner Knives,	99.16

Baby's Spoons *(In new, full-colored box)*
Bent Handle, *each* $1 30 Straight Handle, *each* $1 30



Baby's Fork *(In new, full-colored box)*, *each* $1 30

Baby's Sets *(In new, full colored box)*
Bent Handle Spoon and Straight Fork, *set* $2 56
Straight Handle Spoon and Fork, *set* $2 56

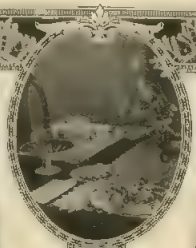
Salad Dressing or Small Ladle, *each* $2 93

Serving or Gravy Ladle, *each* $3 58
Medium Soup Ladle, *each* $.0 43

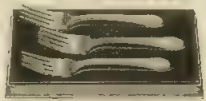
Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

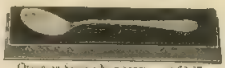
COMMUNITY PLATE



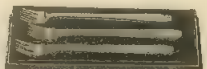
Individual Butter Spreader, set $8 14



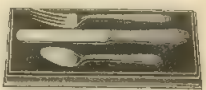
Individual Salad or Pastry Forks, set $9 76



Olive or Salted Nut Spoon, each $2 27
For serving olives, pickles and salted nuts



Oyster or Seafood Forks, set $6 94
For oysters, lobster, shrimp, cocktails etc



Child's Sets *Twelve pieces in colored box*
With Hollow Handle Knife, set $5 20
With Flat Handle Knife, set $3 92

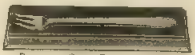
Pie or Ice Cream Server, H H, each $5 55

Stainless Carving Sets
2 Pc. Hollow Handle (7 inch blade), set $14 18
2-Piece Hollow Handle, set $9 90
2-Piece Nobleby Handle, set $7 00
For steak, game, etc

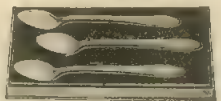
All Correct Service Pieces

Orange or Grapefruit Spoons, set $7 50
For oranges, grapefruit and melons

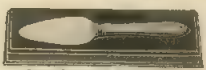
Ice Cream or Sundae Spoons, set $7 50
Jam or Conserve Spoon, each $1 96



Pickle or Olive Fork, each $1 96
For serving pickles, olives and relishes

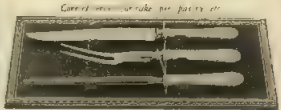


Iced Tea or Iced Drink Spoons, set $7 92
For iced tea, iced coffee, chocolate, lemonade, etc



Cream Server, H H, each $3 56

Pierced Pastry Server, each $5 55
Correct for cake, pie, pastry etc



Stainless Carving Set
3 Piece Hollow Handle, set $24 10
For large roasts, fowl etc

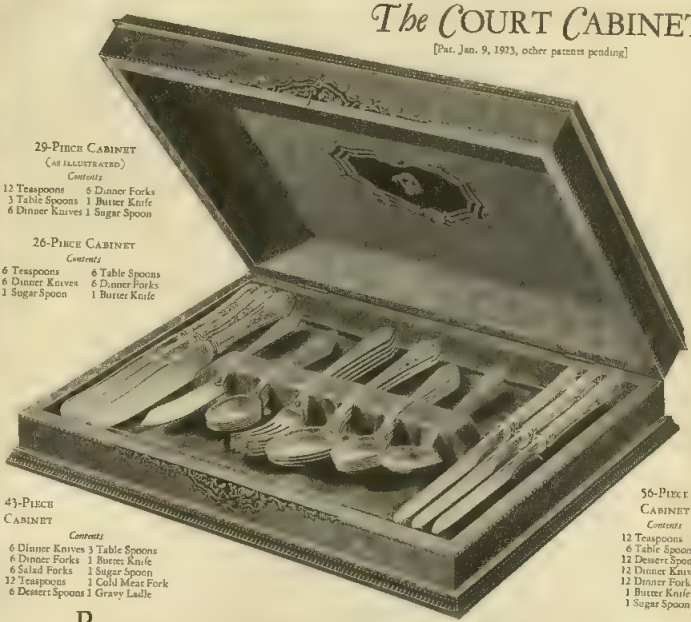
Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

COMMUNITY PLATE

The COURT CABINET

[Pat. Jan. 9, 1923, other patents pending]



29-Piece Cabinet
(as illustrated)
Contents

12 Teaspoons — 6 Dinner Forks
3 Table Spoons — 1 Butter Knife
6 Dinner Knives — 1 Sugar Spoon

26-Piece Cabinet
Contents

6 Teaspoons — 6 Table Spoons
6 Dinner Knives — 6 Dinner Forks
1 Sugar Spoon — 1 Butter Knife

43-Piece Cabinet
Contents

6 Dinner Knives — 3 Table Spoons
6 Dinner Forks — 1 Butter Knife
6 Salad Forks — 1 Sugar Spoon
12 Teaspoons — 1 Cold Meat Fork
6 Dessert Spoons — 1 Gravy Ladle

56-Piece Cabinet
Contents

12 Teaspoons
6 Table Spoons
12 Dessert Spoons
12 Dinner Knives
12 Dinner Forks
1 Butter Knife
1 Sugar Spoon

PATTERNED after the massive, hand-carved chests of early English design, these new Cabinets will impress you with their blue and gold beauty, their substantial construction and *amazingly low prices*. Their appearance is that of expensive, specially-made chests, lending added richness to the Silverware. And this means added *Sales!*

29-Piece Court Cabinets

With Hollow Handle DeLuxe Stainless Dinner Knives	$51 88
With Hollow Handle Plated Blade Dinner Knives	49 08
With Modeled Handle Stainless Dinner Knives	44 22

26-Piece Court Cabinets

With Hollow Handle DeLuxe Stainless Dinner Knives	$51 88
With Hollow Handle Plated Blade Dinner Knives	49 08
With Modeled Handle Stainless Dinner Knives	44.22

43-Piece Court Cabinets

With Hollow Handle DeLuxe Stainless Dinner Knives	$78 88
With Hollow Handle Plated Blade Dinner Knives	76 08
With Modeled Handle Stainless Dinner Knives	71 22

56-Piece Court Cabinets

With Hollow Handle DeLuxe Stainless Dinner Knives	$104 76
With Hollow Handle Plated Blade Dinner Knives	99 .6
With Modeled Handle Stainless Dinner Knives	89 44

91 PIECE COURT CABINET—With DeLuxe Stainless Knives, $180.22

ADD-A-PIECE CABINETS (55 to 300 Pieces) *Including Hollow Handle DeLuxe Stainless Knives*

The New Blue Grey 55-90 Piece Cabinet (*with 88 pieces*)	$183 18
Genuine Mahogany 55 to 90 Piece Cabinet (*with 88 pieces*)	209.26
Genuine Mahogany 100 to 200 Piece Cabinet (*with 140 pieces*)	364 06
Genuine Mahogany 200 to 300 Piece Cabinet (*with 243 pieces*)	552.64

STANDARD 26 PIECE CHESTS
Including Hollow Handle DeLuxe Stainless Knives

Seal Grain Leatherette, Flat Chest	$56.44
Heavy Mahogany Chest, with Drawer	63 24

Furnished in All* COMMUNITY PLATE *Patterns

COMMUNITY PLATE

Jelly Server, *each* $1.76
For serving jelly, soft cheese, or honey

Sugar Tongs, *each* $2.61

Bon Bon Spoon, *each* $1.23
Correct Service for bon bons, candies, etc

Pierced Round Server, *each* $4.24
For serving tomatoes, sliced pineapple, cucumbers, poached or fried eggs, fish cakes, etc.

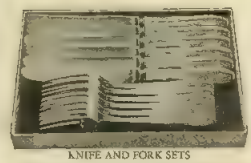
After Dinner Coffee Spoons, *set* $5.20
For small cup service (demi-tasse)

Lemon or Relish Fork, *each* $1.63

Bouillon or Consomme Spoons, *set* $9.44
For bouillon, consommé or soups when served in cups

Fan O'Cream or Sherbet Spoons, *set* $5.20

Cake Serving Set, *set* $9.60
Cake Fork, *each* $3.58
Cake or Bread Knife, *each* $6.03



KNIFE AND FORK SETS

(STAINLESS BLADE KNIVES)

Hollow Handle	DeLuxe Dinner Knives, Flat Forks	*set* $78.60
Hollow Handle	DeLuxe Dessert Knives, Flat Forks	*set* 27.48
Modeled Handle	Dinner Knives, Flat Forks	*set* 20.50

(PLATED BLADE KNIVES)

Hollow Handle	Dinner Knives, Flat Forks	*set* $25.30
Hollow Handle	Dessert Knives, Flat Forks	*set* 24.68
Modeled Handle	Dinner Knives, Flat Forks	*set* 19.68
Modeled Handle	Dessert Knives, Flat Forks	*set* 19.00

MISCELLANEOUS

Ice Cream or Sherbet Forks,	*set* $ 8.14
Individual Pie Forks,	*set* $11.08
DeLuxe Knife Sharpener,	*each* $3.25

FRUIT KNIVES— *Stainless Blades*

Hollow Handle Fruit Knives,	*set* $14.90
Modeled Handle Fruit Knives,	*set* $ 9.56

All Correct Service Pieces

Packed in Blue Velvet Gift Boxes

The HAMPTON COURT *Design*

RADIO RECEIVING SETS

FADA

Queen Anne—Desk

Adam brown walnut finish. Contains No. R60 Fada 6 Unit, two dial control with window indicators on the control drums. Without speakers, but with loop. Necessary equipment to complete consists of the following. 5-CX301A tubes; 1-CX371 power tube; 4-486 "B" batteries; 2-768 "C" batteries; 1-96RX "A" battery; 1-415 or 425A loud speaker, 1-223 aerial outfit. A-603 and B 604 socket powers may be used in place of "A" and "B" batteries.

No. SF30-60 Length, 38 inches; height, 44 inches; depth, 23 inches. Weight, 170 lbs .... Each, **$300.00**

FADA

Beethoven—Grande

Adam Brown walnut finish. Contains No. R60 Fada 6 Unit, two dial control with window indicators on the control drums. Without speaker and loop. Necessary equipment to complete consists of the following: 5-CX301A tubes; 1-CX-371 power tube; 4-486 "B" batteries; 2-768 "C" batteries; 1-96RX "A" battery; 1-415 or 425A loud speaker; 1-223 aerial outfit. A-603 and B-604 socket powers may be used in place of "A" and "B" batteries.

No. SF20-60 Length, 50 inches; height, 46 inches; depth, 17 inches; weight, 170 lbs. ..... Each, **$250.00**

Console

Adam Brown walnut finish. Contains No. R60 Fada 6 Unit, two dial control with window indicators on the control drums. Without speaker but with loop. Necessary equipment to complete same consists of the following: 5-CX-301A tubes; 1-CX-371A power tube; 4-486 "B" batteries; 2-768 "C" batteries; 1-96RX "A" battery; 1-415A or 425A loud speaker; 1-223 aerial outfit. A-603 and B-604 socket powers may be used in place of "A" and "B" batteries.

No. SF40-60 Length, 37 inches; height, 44 inches; depth, 19 inches; weight, 170 lbs..... Each, **$275.00**

Davenport Table

Adam Brown walnut finish. Contains No. R60 Fada 6 Unit, two dial control with window indicators on the control drums. Without speaker and loop. Necessary equipment to complete consists of the following: 5-CX301A tubes; 1-CX-371 power tube; 4-486 "B" batteries; 2-768 "C" batteries; 1-96RX "A" battery; 1-415 or 425A loud speaker; 1-223 aerial outfit. A-603 and B-604 socket powers may be used in place of "A" and "B" batteries.

No. SF10-60 Length, 49 inches; height, 33 inches; depth, 14 inches; weight, 120 lbs. ..... Each, **$225.00**

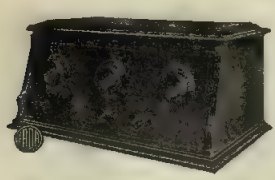
Specifications of No. R60 Fada 6 Unit

Three stages of radio frequency, detector, and two stages of audio frequency amplification with circuit arrangement in the last stage adapting it fully to the modern types of power tubes. It is shielded, the shielding applying both to the radio end and to the audio end.

NOTES: Prices listed are for Sets only, no Accessories included. Fada Radio Sets are sold to Authorized Dealers, Ohio Territory only.

RADIO RECEIVING SETS

FADA



Neutroceiver

Has a black bakelite panel mounted at an angle into a beautiful dark mahogany cabinet. The cabinet top is hinged for insertion of tubes

Specifications:

Three tuning dials Five tubes. For both dry cell and storage battery tubes. Detector voltage 22½ volts; amplifier voltage 180 volts. If "C" battery is used 1½ to 27½ volts Two stages of tuned neutralized radio frequency amplification. Two stages of audio frequency amplification. Tube detector. Neutrodyne circuit. Single switch for amplification and circuit control. Two rheostat controls. Inclined panel. Necessary equipment to complete No. 175A set consists of the following: Four CX301A tubes; one CX371 power tube; four No. 772 "B" batteries; one, 768 "C" battery and one 771 "C" battery; one 96RX "A" battery; one No. 223 antenna outfit. One No. 415A Fada speaker. No. AB663 socket power may be used instead of "A" and "B" batteries. Equipped with power leads.

No. 175A Fada Neutroceiver Size of cabinet. Length, 25 inches; Depth, 17 inches; Height, 12 inches... . . ..Each, **$125.00**

Neutrolette

Has a panel mounted at an angle into a beautiful dark walnut cabinet. The cabinet top is hinged for insertion of tubes

Specifications:

Three tuning dials Five tubes. For both dry cell and storage battery tubes. Detector voltage 22½ volts; amplifier voltage 180 volts. If "C" battery is used 1½ to 27½ volts. Two stages of tuned neutralized radio frequency amplification. Two stages of audio frequency amplification. Tube detector. Neutrodyne circuit. Cabinet similar to 175A but about one-third smaller. Singular control switch. Two rheostat controls. Inclined panel. Necessary equipment to complete No. 192A set consists of the following: Four CX301A tubes; one CX371 power tube; four No. 772 "B" batteries; one, 768 "C" battery and one 771 "C" battery; one 96RX "A" battery; one No. 330 antenna outfit; No. 415A loud speaker. No. AB663 socket power may be used instead of "A" and "B" batteries. Equipped with power leads.

No. 192A Fada Neutrolette Size of cabinet: Length, 22⅛ inches; depth, 13¼ inches; height, 9⅞ inches.....Each, **$85.00**

Neutrola

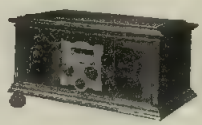
The receiver is encased in a beautifully finished dark mahogany cabinet, the inclined Neutrodyne receiver panel unit being enclosed by a drop desk-door and the upper part of the receiver cabinet which contains the loud speaker is very artistically decorated with a wooden inlay.

Provision is also made in the "Neutrola" cabinet for containing batteries. The self-contained loud speaker needs no adjustment and gives a surprising purity of tone reproduction.

Specifications:

Three tuning dials. Five tubes. For both dry cell and storage battery tubes. Detector voltage 22½ volts; amplifier voltage 180 volts. If "C" battery is used 1½ to 27½ volts. Two stages of tuned neutralized radio frequency amplification. Two stages of audio frequency amplification. Tube detector. Neutrodyne circuit. Single switch for amplifier and circuit control. Two rheostat controls Inclined panel. Necessary equipment to complete No. 185A set consists of the following: Four CX301A tubes; one CX371 power tube; four No. 486 "B" batteries; one No. 768 "C" battery and one 771 "C" battery; one 96RX "A" battery; one No. 223 antenna outfit. No. AB663 socket power may be used instead of "A" and "B" batteries Equipped with power leads.

No. 185A Fada Neutrola Size of cabinet: length, 27 inches; depth, 17 inches; height, 21 inches.....Each, **$175.00**



Fada 6

This is a six tube receiver having three stages of radio frequency, detector, and two stages of audio frequency amplification, with circuit arrangement in the last stage, adapting it fully to the modern types of power tubes. It is shielded, the shielding applying both to the radio end and to the audio end.

The same character of control switch is used as on the **Fada 8**, and you can operate it either on one audio stage or two audio stages, yet the power tube is always in use, so either on high volume or on low volume the "perfect quality" of reproduction is available.

The same special high-grade combination straight line frequency and straight line wave length condensers are used—the condensers with the big one-half-inch shaft offer the nearest possible approach to perfection as regards tracking, both electrically and mechanically.

Audio frequency transformers of the "all range" type which amplify musical notes throughout the scale range with practically uniform intensity.

The same desirable two dial control with window indicators on the control drums are incorporated.

Construction similar to that of the **Fada 8**, but somewhat smaller in mechanical dimensions. Equipped with loop. Necessary equipment to complete No. 460A set consists of the following: Five CX301A tubes; one CX371 power tube; four 486 "B" batteries; two No 768 "C" battery; one 96RX "A" battery; one No. 223 antenna outfit One No. 415 or No. 425A Loud Speaker. No. AB663 Socket Power may be used instead of "A" and "B" Batteries. Equipped with power leads

No. 460A Fada Six Size of cabinet: length, 25 inches; depth, 13½ inches; height, 11 inches .....Each, **$160.00**

NOTE: Prices listed are for Sets only, no accessories included. Fada Radio Sets are sold to Authorized Dealers, Ohio Territory only.

RADIO RECEIVING SETS
FADA

No. SF50/80
Fada 8, Console

There are **Four Stages of Radio Frequency Amplification,** and three stages of audio frequency amplification, each stage operating efficiently. This makes the **Fada 8,** the most sensitive set yet devised. The advantages of the third stage of audio frequency amplification are distinctly noticeable in the performance — a reserve volume with maintained clarity.

Full shielding on tubes and coils and on **Audio Stages.**

This practically eliminates "back-door" reception that interferes with the desired station in sets not so protected. Inter-action between the detector and the audio stages is definitely eliminated. **Unless the audio stages are shielded, the receiver is not TOTALLY SHIELDED.** The radio world has never known a receiver so pick up proof as the new **Fada 8.**

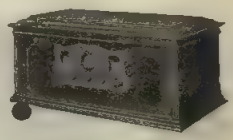
Combination Straight Line Frequency and Straight Line Wave Length Condensers. Straight line frequency for the lower wave lengths, and straight line wave length for the higher stations. These condensers simplify tuning, stabilize selectivity and distribute stations equi-distantly over the dial.

A Control Switch on the face of the panel gives instant on and off operation and **also connection at will to one, two or three audio stages.**

The Power Tube is always on the last stage—it cannot loaf—it is always in use. When operating on six tubes the circuit carries direct from the detector tube to the last audio stage, which carries the power tube. When operating on seven tubes the circuit carries direct from the detector tube through one of the audio stages and then to the power tube. The power tube is never out of circuit. The operator may be certain of the greatest volume and of maximum distance on whatever audio stage he chooses. Reception may be throttled down without the slightest loss in quality.

A specially designed circuit in the last audio stage.

This adapts the set for use with any of the modern power tubes It keeps the direct current out of the loud speaker circuit and insures clear reception unmarred by "waste" current through the speaker All the volume you need without "choking".



No 480-A

Fada 8, Table Type

A Volt Meter with Selector Switch to measure accurately **all** voltages; the voltage on the filaments of the tubes, and seperate individual measurements for the voltage on the plate circuit of the detector tube, on the plate circuit of the radio amplifier tubes, on the plate circuit of the first two audio stage tubes, and on the plate circuit of the power tubes. You can determine instantly if you are applying proper voltages to any and all of the tubes. This enables the owner to save his batteries and to prolong the periods between chargings and if a power device is used, it ensures that the power device is delivering voltages which will permit the set to function at full efficiency.

A **Small Loop** is all that is necessary for normal operation, yet termina connections are provided which will permit use with either a long antenna or a short antenna It is a universal set—adapted to either loop or antenna operation. The loop is of such size that it can be permanently housed within the cabinet. When connected to an antenna, the receiver has practically an unlimited range No radio receiver heretofore designed can accomplish what this receiver can accomplish

Two controls are used. Simpler than the characteristic three control set

Sockets are of the push type, adapted to the standard types of tube bases

There is a jack on the face of the panel for head phone connection.

The window indicators for the control drums are sunk into the face of the panel in such a manner that full sight of the drums is obtained both in a sitting position and standing position

It has a chassis of structural steel. Its extremely rigid construction insures permanent alignment of all parts.

Half-inch diameter condenser shaft is used throughout. **It is four times as strong as the standard shaft of ¼-inch diameter.**

There is multiple radio frequency amplification and the set has improved audio frequency transformers of the "all range" type to guard against distortion and the undue stressing of any one frequency.

Necessary Equipment to complete No 480A and No. SF50/80 consists of the following. Six CX301A, One CX300A and One CX371 Tubes; Four 486B Batteries; Two No. 768 "C" battery; One No. 96RX "A" Battery, One No. A603 Socket Power may be substituted for the "A" Battery and One No. B604 Socket Power may be substituted for the "B" Batteries: One No. 223 Aerial Outfit may be used if desired. Loop furnished with set; One No. 415A or 425A Loud Speaker with power leads.

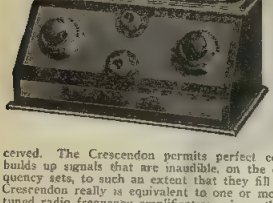
No. 480A. Size of Cabinet; Length, 32 inches; Depth, 16 inches, Height, 14 inches . . . . . Each, **$300.00**
No. SF50/80. Size of Cabinet; Length, 32 inches; Depth, 18½ inches, Height, 53¾ inches . . . . . Each, **$400.00**

Note:—Prices listed are for Sets only, no accessories included.

Fada Radio Sets are sold to Authorized Dealers, Ohio Territory only.

RADIO RECEIVING SETS

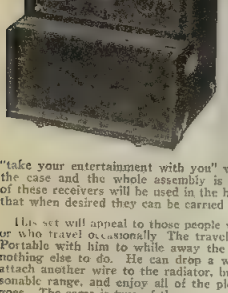
CROSLEY



Four Tube 4-29

The Crosley 4-29 is a four-tube radio cosisting of one stage of tuned radio frequency amplification. Crescendon control detector and two stages of audio frequency amplification Ample volume to operate a loud speaker is provided, even when stations at very great distances are being received. The Crescendon permits perfect control of volume and builds up signals that are inaudible on the other tuned radio frequency sets, to such an extent that they fill an entire room. This Crescendon really is equivalent to one or more additional tubes of tuned radio frequency amplification giving this attractive receiving set unusual punch, pep selectivity, sensitivity and volume. Necessary equipment to complete No. 4-29—Four No. CX301A Tubes; One No. 76RX Storage Battery; One No. 771 "C" Battery, two No. 772 "B" Batteries, No. 3121 Musicone Loud Speaker One No. 330 Antenna Outfit and one 3 megohm grid leak.

No. 4-29 Size of Cabinet: Width, 15¼ inches; Depth, 8 inches; Height Over All, 7⅜ inches; Weight, 6½ Lbs... .Each, **$29.00**



Four Tube 4-29 Portable

Dealers can install all the necessary batteries, tubes, etc., so the customer can carry the 4-29 Portable home absolutely complete. This eliminates the danger of a novice damaging his tubes through incorrect battery connection. All the customer need do is attach the aerial and ground wires and tune in It is absolutely self-contained

Unlike most portable receivers, the case of the 4 29 Portable has ample room for a real power plant of batteries instead of a limited space for flashlight batteries, which have a very short life, even on dry cell tubes. It is so arranged that you can readily "take your entertainment with you" wherever you go, the style of the case and the whole assembly is so attractive that thousands of these receivers will be used in the homes primarily, with the idea that when desired they can be carried along wherever you go

This set will appeal to those people who are traveling extensively or who travel occasionally The traveler can take the Crosley 4 29 Portable with him to while away the evening hours when there is nothing else to do. He can drop a wire out of his hotel window, attach another wire to the radiator, bring to stations within a reasonable range, and enjoy all of the pleasures of radio wherever he goes. The same is true of the camper and the automobile tourist.

The Crosley 4-29 Portable is light and convenient, and can be used efficiently on a small antenna, is recommended for canoes, motor boats, yachts and for travelers on ocean voyages and on board trams.

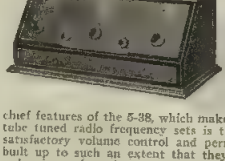
The Crosley 4-29 Portable will give, in the way of service, everything that can be obtained from the 4-29 Regular, but this new portable receiver adds the portability feature to the advantages of the standard 4-29, which was designed primarily for use in one place

Necessary equipment to complete No. 4-29 Portable: Four No. CX299 Tubes, Three No. 7111 "A" Batteries; Two No. 772 "B" Batteries; One No. 771 "C" Battery; No. 3121 Musicone Loud Speaker; One No. 330 Aerial Outfit and One 3 megohm Grid Leak

No. 4-29 Portable Size of Leatherette covered Carrying Case Width, 14½ inches; Depth, 8½ inches, Height Overall, 13⅝ inches; Weight, 10¾ Lbs. .....Each, **$33.00**

"NOTE: Prices listed are for Sets only, no Accessories included.

CROSLEY

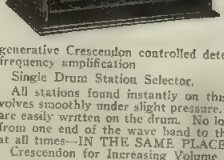


Five Tube 5-38

The Crosley 5-38 is a five-tube radio receiver, consisting of two stages of tuned radio frequency amplification, detector with Crescendon control of the second radio frequency stage, plus two stages of audio frequency amplification. The cabinet is of hardwood, with two-tone mahogany finish. One of the chief features of the 5-38, which makes it far better than other five-tube tuned radio frequency sets is the Crescendon which provides satisfactory volume control and permits very weak signals to be built up to such an extent that they fill an entire room. Sectors and pointers have been removed from the front and have been replaced with neatly designed frames with glasses through which dial markings are read.

Necessary equipment to complete No. 5-38: Five No. CX301A tubes; One No. 96RX Storage Battery; Two No. 772 "B" Batteries; One No. 771 "C" Battery; No. 3120 Musicone Loud Speaker; One No. 330 Antenna Outfit and One 3 megohm Grid Leak.

No. 5-38 Size of Cabinet: Width, 19½ inches; Depth, 9¾ inches; Height Overall, 8½ inches; Weight, 8½ Lbs.....Each, **$38.00**



Five Tube 5-50

The Crosley 5-50 is a five-tube radio, with single control, embodied in its drum station selector, all metal shielded chassis, power tube adaptability and many exclusive features enclosed in a beautifully designed solid mahogany two-toned cabinet. It incorporates two stages of non-oscillating tuned radio frequency amplification, regenerative Crescendon controlled detector and two stages of audio frequency amplification

Single Drum Station Selector.

All stations found instantly on this ONE single control. It revolves smoothly under slight pressure. Once stations are found they are easily written on the drum. No log book to fuss with. Stations from one end of the wave band to the other are easily brought in at all times—IN THE SAME PLACE.

Crescendon for Increasing Volume

This exclusive Crosley feature supplies the volume from distant stations that is so unfortunately missing on most 5-tube sets. On the normal radio when ears are strained to catch the stations many leagues away, a turn of the Crescendon swells the reception to room filling volume.

Acuminators (from the verb "accuminate," meaning to sharpen) affording marvelous selectivity.

By means of these two adjustment levers very sharp tuning is accomplished where the reception from nearby stations spreads broadly over the dial. Under average conditions when once adjusted these acuminators do not have to be touched again except on weak distant stations

Power Tube Adaptability.

Means have been provided for use of a power tube in the last audio-frequency stage

Shielded units mounted on metal chassis, giving far greater reception efficiency.

Crosley Models, including the 5-50, 5-75 and R.F.L.-50, use the new metal chassis which furnishes a substantial frame for mounting the elements. This effects excellent alignment of the gang of condensers, as well as affording a mounting for a rheostat, acuminators, crescendon, coils, sockets, transformers and insulation terminal strip. This metal shielded chassis is divided into three compartments Thus the units shielded from each other prevent inter-stage as well as external coupling This improves the stability of the circuit and increases the selectivity as well. The metal shielded chassis is, indeed, a most progressive step in advanced radio design.

Necessary equipment to complete No. 5-50: Five No. CX301A Tubes, One No. 96RX Storage Battery; Two No. 772 "B" Batteries; One No. 771 "C" Battery; No. 3120 Musicone Loud Speaker; One No. 330 Antenna Outfit and One 3 megohm Grid Leak.

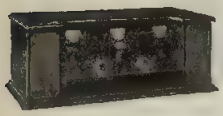
No. 5-50 Size of Cabinet: Width, 20½ inches; Depth, 12½ inches, Height Overall, 10¼ inches; Weight, 15½ Lbs.....Each, **$50.00**

"Crosley Radio Sets are sold to Authorized Dealers Only.

RADIO RECEIVING SETS

CROSLEY

Five Tube R.F.L.-75



The R.F.L.-75 is a five-tube set in a two-toned mahogany cabinet and using a genuine R.F.L. circuit which provides true cascade amplification largely through the use, in each radio frequency stage, of a complete Wheatstone bridge whose balance is practically uniform at all wave lengths. Non-oscillating at any frequency, non-radiating, and cannot be made to howl even if mishandled.

A considerable saving in cost was made by eliminating the decorated bakelite panels and the substitution of wood panels with windows that permit the operator to observe the otherwise concealed dials. Pointers have been eliminated from the front panels. These changes, while affecting a saving, have, at the same time, made the set actually more attractive.

Necessary equipment to complete No. R.F.L.-75: Five No. CX301A Tubes; one No. 96RX Storage Battery; one No. 771 "C" Battery, two No. 486 "B" Batteries; No. 3123 Super Musicone Loud Speaker; No. 223 Antenna Outfit and 3 megohm Grid Leak.

No. R.F.L.-75 Size of cabinet: width, 26½ inches; depth, 12¾ inches; height overall, 10½ inches; weight, 20 lbs.....Each, **$65.00**

Five Tube 5-75

The 5-75 is a five-tube set in a solid mahogany two-toned console cabinet, with a built-in Musicone. The receiving set itself is the same as that used in the Model 5-50, with its single drum station selector, shielded chassis, power tube adaptability, etc. It incorporates two stages of non-oscillating tuned radio frequency amplification, regenerative crescendon controlled detector and two stages of audio frequency amplification. The Musicone is cleverly concealed in the compartment below the set, and in this compartment there is ample room for all batteries or battery eliminators. It is completely self-contained, the unsightly wires and batteries being hid from view

Necessary equipment to complete No. 5-75: Five No. CX301A Tubes; one No. 96RX Storage Battery; One No. 771 "C" Battery, two No. 486 "B" Batteries; No. 223 Antenna Outfit and 3 megohm Grid Leak.

No. 5-75 Size of cabinet: width, 23⅛ inches; depth, 11⅞ inches; height overall, 40½ inches; weight, 83½ lbs.....Each, **$75.00**

CROSLEY

Six Tube R.F.L.-90

The R.F.L.-90 is a six tube receiving set, using the now famous non-oscillating R.F.L. circuit and incorporating the new double drum station selector. This circuit, with the new metal chassis, installed in a beautiful solid mahogany two-toned console cabinet, with a built-in Musicone forms a radio for which there will be an immediate and tremendous demand. It includes the very latest of radio refinements, is exceptionally attractive in appearance and meets the requirements of those listeners who are most particular about the appearance of their set. There is ample space inside the cabinet for batteries or battery eliminators, making it absolutely self-contained. The R.F.L.-90 is a genuine long-distance receiver, utilizing a circuit that has become exceptionally popular and has proven its worth during the past year.

Necessary equipment to complete No. R.F.L.-90: Six No. CX301A Tubes; One No. 96RX Storage Battery; One No. 771 "C" Battery; Two No. 486 "B" Batteries; No. 223 Antenna Outfit and One 3 megohm Grid Leak.

No. R.F.L.-90 Size of cabinet: width, 30½ inches, depth, 12 inches; height overall, 41 inches; weight, 36 lbs. .....Each, **$90.00**

PHONOGRAPH PANEL UNITS
FADA NEUTRODYNE

Cut shows Phonograph with Panel and Tone Arm Unit installed.

Five tubes are used which may be of either dry cell or storage battery type. The circuit using five tubes provides two stages of radio frequency amplification, detector and two stages of audio frequency amplification. Standard Neutroformers with the special FADA 'Low Loss' Condensers are used. Two different types of these Phonograph Panel Units are available, one the No. 196-A, designed to be fitted into Victor model Nos. VV-S-400, VV S-405 and VV-S-410 console phonographs. No 197-A designed to be fitted into the Victor model No. VV-S-215 console phonograph. May also be used in other standard phonograph models than those mentioned. Panel Units include the use of the newly designed FADA amplifier selector switch used in the "Neutroceiver" and "Neutrola". This control switch in the amplifying circuit, combined with the universal tuning advantages of Neutrodyne receivers provides simplicity of operation. Under favorable conditions, using either a simple indoor, or single wire outdoor antenna, the conservative normal range of reception should approximate 1000 miles. Necessary equipment to complete No. 196-A and No. 197 A panel units consists of the following: Five CX301-A Tubes; Two No. 767 "B" Batteries, One No. 771 "C" Battery; One No. 76RX "A" Battery, One No. 193A Tone Arm. One No. 223 Antenna Outfit

No. 196-A FADA 5 Tube Phonograph Panel Unit for Victor Models VV-S-400, VV-S-405 and VV-S-410, Panel 15 3-16 inches x 16 27-32 inches .....Each, **$100.00**

No. 197-A FADA 5 Tube Phonograph Panel Unit for Victor Model VV-S-215; Panel 14½ inches x 17 13-32 inches.....Each, **$100.00**

Note: Prices listed are for Sets only, no Accessories included.

Crosley and Fada Radio Sets are sold to Authorized Dealers only.

PLASTERING HAWKS

MARSHALLTOWN, Wood.

California Red Wood cross pieces dove tailed and glued; securely fastened. A cast nut to receive the handle is placed between the top board and dove tailed cross piece; which makes handle rigid.

No.	22
Size, ins	13½x13½
Wt doz, lbs	26
Per Doz	$34 50

Third doz in cardboard box.

MARSHALLTOWN, Aluminum

Hard rolled aluminum and weighs about the same as wood hawks. The handles are detachable with a 4 inch flange hub extends ⅛ of an inch, to receive thread on handle, fitted with soft rubber callous preventors.

Nos.	1	2
Size, ins	13x13	13½x13½
Wt doz. lbs	18	20
Per Doz	$69 00	72 00

Quarter doz in cardboard box

COMPETITIVE, Aluminum.

Tempered aluminum, highly polished, light in weight, strong and durable, will not warp. 3½ inch aluminum punched flange fastened with four countersunk rivets, hexagon nut in center of flange to fasten shaped wood handle. Face of hawk ground rough so that plaster will not run off. Per Doz

No. 13—Size 13x13 ins $61 50

Quarter doz in cardboard box; wt per doz 20 lbs

CALLOUS PREVENTERS

Good quality gray sponge rubber, soft and flexible. For use on plaster's hawks. Per Doz

No. 0—Diam 3¾ ins; ¼ in. thick.. $6 75

Packed loose; wt per doz ¾ lb.

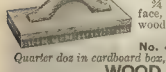
CORK FLOATS, Plasterers'.

One thickness cork, finished on both sides, with smooth surface.

Used by plasterers in putting on rough or sanded finish (stippelen)preparatory to calcimining.

Nos.	10	20	40
Size ins	4x12	5x12	6x12
Thickness, ins	1¼	1¼	1¼
Wt doz, lbs	8½	6	7½
Per Doz	$20 25	26 25	30 00

Packed loose.



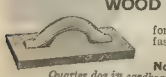
Handled, Wood Backs.

¾ inch smoothly finished cork face, securely mounted on ¾ inch wood base with shaped handle. Per Doz

No. 41—Size 12x5x1½ ins. $28 50

Quarter doz in cardboard box, 12 in carton; wt per doz 12 lbs.

WOOD FLOATS



¾ inch smoothly finished California red wood face securely fastened on shaped handle. Per Doz

No. 44—Size 12x6x¾ in.. $13 50

Quarter doz in cardboard box; wt per doz 14 lbs

FLOAT HANDLES

For No. 44 Float.

Smooth turned seasoned wood, shaped for comfortable grip. Per Doz

No. 16—Length 9¾ ins; height 2¾ ins $8 25

Packed loose; wt per doz 2½ lbs.

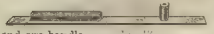
DARBIES

Seasoned hardwood.

Light strong and durable; 15 inch rib with 3½ inch handle. Per Doz

No. 02—Size 3½x44 ins $19 50

One doz in crate; wt per doz 33 lbs.



Aluminum.

Light, strong and flexible, 18 inch rib and one handle. Per Doz

No. 2—Size 3½x44 ins $90 00

Half doz in cardboard box; wt per doz 27 lbs.

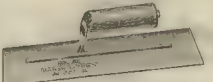
CEMENT TROWELS

MARSHALLTOWN, Long Handle.

High grade spring steel blade, tempered, ground and polished; malleable mounting first quality ash handle, adjustable to any position. Per Doz

No. C24—Size blade 24x5 ins; length handle 6 ft... $171 00

Packed loose; wt per doz 48 lbs



MARSHALLTOWN Cement Finishing

Crucible spring steel, tempered, ground and polished blade; special analysis, light weight rigid steel mounting fastened to blade with twelve steel rivets; smooth turned natural finish wood handle, shaped for comfortable grip. Per Doz

No. MCWG4—Length blade 14 ins; width 4 ins..... $81 00

Third doz in cardboard box; wt per doz 15 lbs.

CEMENT TOOLS

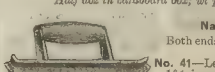
Cast iron, working surfaces polished and nickel plated, reverse side and handle posts japanned. Polished hardwood handles about 3¾ inches long.

Wide Jointer.

Both ends rounded. Per Doz

No. 1—Length 6 ins; width 2¾ ins, depth of cut ½ in; width of cut ⅜ in.....$12 75

Half doz in cardboard box; wt per doz 16 lbs.



Narrow Jointer.

Both ends rounded. Per Doz

No. 41—Length 8 ins, width 1¾ ins; depth of cut ¾ in; width of cut ⅜ in.... $15 00

Half doz in cardboard box; wt per doz 15 lbs

Straight Edge Jointer.

One end rounded, other end straight. Per Doz

No. 5—Length 6 ins; width 3 ins, depth of cut ⅛ in; width of cut ⅜ in $12 75

Half doz in cardboard box; wt per doz 18 lbs.

BRICK TROWELS

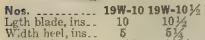
MARSHALLTOWN, Philadelphia Pattern.

Hickory handle; polished steel ferrule.

Nos.	19W-10	19W-10½	19W-11	19W-11½	19W-12
Lgth blade, ins	10	10½	11	11½	12
Width heel, ins	5	5¼	5½	5¾	6
Wt doz, lbs	11½	11¾	12	12¼	12½
Per Doz			$49 50		

Half doz in cardboard box.

MARSHALLTOWN, London Pattern.

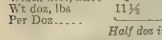


Hickory handle; polished steel ferrule.

Nos.	33W-10½	33W-11	33W-11½	33W-12
Length blade, ins	10½	11	11½	12
Width at heel, ins	4⅜	4 11/16	4⅝	5⅜
Wt per doz, lbs	11¾	12	12¾	12½
Per Doz		$48 00		

Half doz in cardboard box.

MARSHALLTOWN, Wide Heel Pattern.



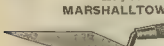
Leather handle; polished steel ferrule.

Nos.	21L-10	21L-10½	21L-11
Length blade, ins	10	10½	11
Width at heel, ins	5½	6	6
Wt per doz, lbs	12½	13	13¼
Per Doz		$57 00	

Half doz in cardboard box.

POINTING TROWELS

—BLUE GRASS—

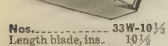


Forged of one piece highest quality crucible steel, taper ground, spring point; polished and etched blade; 4 inch polished maple handle; heavy steel ferrule; blue lacquered shank.

Nos.	41-4½	41-5	41-6
Length blade, ins	4½	5	6
Width at heel, ins	2½	2⅝	2¾
Wt per doz, lbs	2¾	3	3½
Per Doz	$15 00	15 00	15 00

Half doz in cardboard box.

—PINE KNOT—

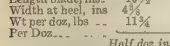


Forged of one piece best quality cast steel; taper ground spring point; polished and etched blade; 4 inch white maple handle; steel ferrule, green lacquered shank.

Nos.	330-4½	330-5	330-5½	330-6
Length blade, ins	4½	5	5½	6
Width at heel, ins	2½	2⅝	2¾	2¾
Wt per doz, lbs	8	8	8¼	8½
Per Doz	$10 50	10 50	10 50	10 50

Half doz in cardboard box.

—MOHAWK—



Cast steel tempered blade, riveted to shank, hardwood handle, with steel ferrule; malleable shank. Per Doz

No. 60-5—Length blade 5 ins; width at heel 2⅜ ins $3 30

One doz in cardboard box; wt per doz 3 lbs.

Stamped steel blade, riveted to shank, maple handle, with steel ferrule; malleable shank. Per Doz

No. 50-5½—Length blade 5½ ins; width at heel 2⅛ ins $3 30

One doz in cardboard box; wt per doz 2¾ lbs.

BRICK JOINTERS

—BLUE GRASS—

Extra quality crucible steel full polished, tapered to a point; one end round, other end square. Per Doz

No. 147—Length 8½ ins; width at center ½ in $18 00

Half doz in cardboard box; wt per doz 3¼ lbs.

BRICK CHISELS

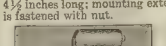
Finest quality tool steel. Hand forged, hardened and tempered. Oil finish; single bevel with offset. Per Doz

No. 55—Width cut 4 ins, length over all 6¾ ins $22 50

Packed loose; wt per doz 18½ lbs.

PLASTERING TROWELS

Blades made of highest quality crucible spring steel; taper ground and tempered; basswood mahogany finished handles, 4½ inches long; mounting extends entirely through handle and is fastened with nut.



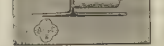
—BLUE GRASS— Cincinnati Pattern.

23 gauge blade; polished mountings, five rivets.

Nos.	400-11	400-11½	400-12
Length blade, ins	11	11½	12
Width blade, ins	4¾	4¾	4¾
Wt doz, lbs	13	13½	13¾
Per Doz	$38 25	38 25	38 25

Third doz in cardboard box.

—BLUE GRASS—Marshalltown Pattern, Finishing.

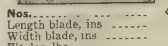


24 gauge blade. Mountings stop 1 in. from ends of blade, leaving sufficient spring for finish. Mountings fastened with 10 rivets which prevent lime from working between mountings and blade.

Nos.	401-11½	401-11	401-011½
Length blade, ins	11½	11	11½
Width blade, ins	4½	4¾	4¾
Wt doz, lbs	13	13	13
Per Doz		$66 00	
Nos.	**401-12**	**401-11½A**	**401-012**
Length blade, ins	12	11½	12
Width blade, ins	4¾	5	5
Wt doz, lbs	13	13	13
Per Doz		$66 00	

Third doz in cardboard box.

—BLUE GRASS—Marshalltown Pattern, Browning.



23 gauge blade. Mountings stop ½ inch from ends of blade, making blade stiff for rough work. Mountings fastened with 12 rivets which prevent lime from working between mountings and blade.

Nos.	402-11	402-11½	402-12
Length blade, ins	11	11½	12
Width blade, ins	4¾	4¾	4¾
Wt doz, lbs	12½	13	13
Per Doz		$66 00	

Third doz in cardboard box.

BRICK TROWELS

—BLUE GRASS—

Forged of one piece highest quality crucible steel, taper ground, extra heavy heel, full spring point, full polished and etched blade, blue lacquered shank of proper bend, extra long polished heavy steel ferrule.

—BLUE GRASS—Philadelphia Pattern.

Polished maple handles. 5¼ inches long.

Nos.	49-10½	49-11	49-11½
Length blade, ins	10½	11	11½
Width at heel, ins	5 7/16	5¼	5½
Wt per doz, lbs	13	14	14½
Per Doz	$46 50	46 50	46 50

Third doz in cardboard box.

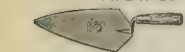
—BLUE GRASS—Philadelphia Pattern.

Highly finished leather handles. Polished maple tip, 5¼ inches long.

Nos.	149-10½	149-11	149-11½
Length blade, ins	10½	11	11½
Width at heel, ins	5 7/16	5¼	5½
Wt per doz, lbs	13	14	14½
Per Doz	$51 00	51 00	51 00

Third doz in cardboard box.

—PINE KNOT—Philadelphia Pattern.



Forged of one piece best quality cast steel, taper ground, polished and etched blade, heavy heel, flexible point, green lacquered shank, extra long heavy steel ferrule; white maple handle, 5¼ inches long.

Nos.	325-10½	325-11	325-11½
Length blade, ins	10½	11	11½
Width at heel, ins	5 7/16	5¼	5½
Wt per doz, lbs	12¾	13	13¼
Per Doz	$25 50	25 50	25 50

Half doz in cardboard box.

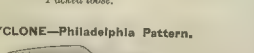
—CYCLONE—London Pattern.

One piece cast steel, taper ground and tempered blade, nicely etched, plain hardwood handles, 5 inches long, heavy steel ferrule, natural finish shank.

Nos.	605-10½	605-11	605-11½
Length blade, ins	10½	11	11½
Width at heel, ins	5½	5¾	6
Wt per doz, lbs	12½	13	13¼
Per Doz	$22 50	22 50	22 50

Packed loose.

—CYCLONE—Philadelphia Pattern.

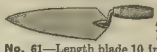


Nos.	606-10½	606-11	606-11½
Length blade, ins	10½	11	11½
Width at heel, ins	5¼	5½	5¾
Wt per doz, lbs	12	12½	13
Per Doz	$22 50	22 50	22 50

Half doz in cardboard box.

BRICK TROWELS

—MOHAWK—Philadelphia Pattern.

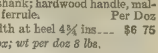


Cast steel, polished blade, riveted to shank; hardwood handle, malleable ferrule. Per Doz

No. 61—Length blade 10 ins, width at heel 4¾ ins ... $6 75

Half doz in cardboard box; wt per doz 8 lbs.

ROSE, London Pattern.



Extra quality steel blade, polished, tempered; long hardwood handle, with long polished steel ferrule.

Nos.	112-10½	112-11	112-11½	112-12
Length blade, ins	10½	11	11½	12
Width at heel, ins	6¼	6¼	6⅝	6¾
Wt per doz, lbs	12	13	14	14
Per Doz	$61 50	64 50	66 75	69 00

Half doz in cardboard box.

ROSE, Philadelphia Pattern.

Extra quality steel blade, polished, carefully tempered; hardwood handle, with long polished steel ferrule.

(Regular Weight).

Nos.	110-10	110-10½	110-11	110-11½	110-12
Length blade, ins	10	10½	11	11½	12
Width at heel, ins	5	5 5/16	5 7/16	5½	5 9/16
Wt per doz, lbs	12	13	14	14½	15
Per Doz	$60 00	61 50	64 50	66 75	69 00

Half doz in cardboard box.

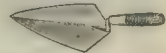
(Norfolk Weight).

Light weight, extra quality tempered steel blade, polished; reground, extra thin, flexible point; hardwood handle, with long polished steel ferrules. Not guaranteed.

Nos.	210-10½	210-11	210-11½	210-12
Length blade, ins	10½	11	11½	12
Width at heel, ins	5 7/16	5 7/16	5½	5 9/16
Wt per doz, lbs	12½	13½	14	14½
Per Doz	$66 75	69 00	70 50	72 75

Half doz in cardboard box.

ROSE, Broad Heel.



Extra quality steel blade, polished; carefully tempered; 6 inch leather handles, with polished steel ferrule.

Nos.	321-10	321-10½	321-11	321-11½
Length blade, ins	10	10½	11	11½
Width at heel, ins	5½	6	6	6
Wt per doz, lbs	14	14¼	14½	14¾
Per Doz	$70 50	72 75	75 00	76 50

Half doz in cardboard box.

ROSE, Round Heel.

Extra quality steel blade, tempered and polished; selected hardwood handle with polished steel ferrules.

Nos.	113-10½	113-11	113-11½	113-12
Length blade, ins	10½	11	11½	12
Width at heel, ins	4¾	5	5 1/16	5⅛
Wt per doz, lbs	13¼	14¼	14⅝	14¾
Per Doz	$61 50	64 50	66 75	69 00

Half doz in cardboard box.

PLASTERING TROWELS

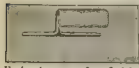
—PINE KNOT—Cincinnati Pattern.

22 gauge crucible spring steel blade, full ground and polished; polished malleable iron mountings, fastened with rivets; genuine basswood handle. Yellow finish tang passes through handle and riveted.

Nos.	300-10½	300-11	300-11½
Length blade, ins	10½	11	11½
Width blade, ins	4⅜	4¾	4¾
Wt doz, lbs	13	13	13
Per Doz		$29 25	

Third doz in cardboard box.

—CYCLONE—

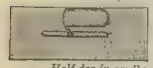


24 gauge spring steel blade, ground and polished; unpolished malleable mountings, fastened with four rivets; tang extends through handle and riveted; full size basswood unfinished handle.

Nos.	600-10½	600-11	600-11½
Length blade, ins	10½	11	11½
Width blade, ins	4⅜	4¾	4¾
Wt doz, lbs	11	11½	12
Per Doz	$22 50	22 50	22 50

Half doz in cardboard box.

—MOHAWK—Cincinnati Pattern.



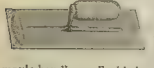
Tempered steel blade; malleable iron shank; maple handle.

Per Doz

No. 62-11—Length blade 11 ins; width 4¾ ins..$12 75

Half doz in cardboard box; wt per doz 15½ lbs.

DISSTON, Cincinnati Pattern.



Highest grade crucible steel blade, fastened to mounting with 6 rivets; highly tempered and ground, tapering from the center to the edges on the working side; maple handle; malleable iron shank.

Nos.	1-11	1-11½
Length blade, ins	11	11½
Width blade, ins	4⅝	4¹³⁄₁₆
Wt doz, lbs	13	13½
Per Doz	$67 50	69 00

Half doz in cardboard box.

Sanford, Handy.

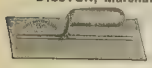
Polished steel blade and shank; varnished natural finish hardwood handle, mountings fastened with 3 countersunk rivets.

Per Doz

No. 35—Length 10 ins; width 4½ ins..$6 60

Half doz in cardboard box; wt per doz 12 lbs.

DISSTON, Marshalltown Pattern, Finishing.



Crucible steel blade, tempered; extra thin blade; maple handle; tang extends through handle and is securely fastened with flust nut. Without post.

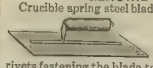
Nos.	18-11	18-11½
Length blade, ins	11	11½
Width blade, ins	4⅝	4⅞
Wt doz, lbs	13	13¼
Per Doz	$75 00	76 50

Half doz in cardboard box.

PLASTERING TROWELS

GENUINE MARSHALLTOWN

Crucible spring steel blade; basswood handle, enameled black.



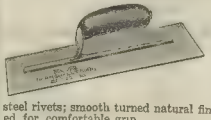
Finishing.

Mounting extends within one inch of blade leaving plenty of spring for finishing. Has ten rivets fastening the blade to the mounting, which prevent lime from working between the blade and the mounting.

Nos.	MF1	MF2	MF3	MF4
Length blade, ins	11	11½	11	11½
Width blade, ins	4½	4⅛	4⅜	4⅜
Wt doz, lbs	12	13	12½	13
Per Doz	$75 00	75 00	75 00	75 00
Nos.	**MF5**	**MF6**	**MF7**	
Length blade, ins	12	11½	12	
Width blade, ins	4¾	5	5	
Wt doz, lbs	13½	13½	14	
Per Doz	$75 00	75 00	75 00	

Third doz in cardboard box.

MARSHALLTOWN



Finishing.

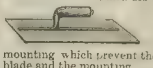
California Handle.

Crucible spring steel, tempered, ground and polished blade; special analyis, light weight rigid steel mounting fastened to blade with ten steel rivets; smooth turned natural finish wood handle, shaped for comfortable grip.

Nos.	MFS1	MFS3	MFS4
Length blade, ins	11	11	11½
Width blade, ins	4½	4½	4⅞
Wt per doz, lbs	9½	11	13
Per Doz		$75 00	

Third doz in cardboard box.

Browning.



Mounting extends within one-fourth inch of blade. Has twelve rivets fastening the blade to the mounting which prevent the lime from working between the blade and the mounting.

Nos.	MB4	MB5	MB6
Length blade, ins	11½	12	11½
Width blade, ins	4¾	4¾	5
Wt doz, lbs	14	14½	14½
Per Doz	$75 00	75 00	75 00

Third doz in cardboard box.

WOODROUGH & McPARLIN

Cincinnati Pattern.

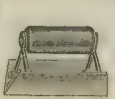
Cast steel blade; polished; drive shank; five rivets; poplar handle.

Nos.	121-10½	121-11	121-11½	121-12
Length blade, ins	10½	11	11½	12
Width blade, ins	4½	4⅝	4¾	5
Wt doz, lbs	12½	13	13½	14
Per Doz	$55 50	58 50	61 50	64 50

Third doz in cardboard box

CORNER TROWELS

—BLUE GRASS—



Cold rolled steel blade, full polished; genuine basswood handles, mahogany finish.

Per Doz

No. 43—Length blade 6 ins..$23 25

Half doz in cardboard box; wt per doz 12 lbs.

CEMENT TOOLS

Cast iron working surface, polished and nickel plated; reverse side and handle posts japanned. Polished hardwood handles.

Finishing Jointer.

Straight ends with slightly oval face, smooth cast iron handle. Per Doz

No. 27—Length 5 ins; width 2 ins; depth of cut 1/16 in; width of cut 1/4 in. $12 75

Half doz in cardboard box; wt per doz 20 lbs.

Wide Edgers.

Both ends rounded. Per Doz

No. 2—Length 6 ins; width 2 3/4 ins; depth 3/4 in; with 5/8 in. radius $12 75

Half doz in cardboard box; wt per doz 15 lbs.

Wide Edgers.

Both ends rounded. Per Doz

No. 4—Length 6 ins; width 3 ins; depth 1 in. 3/4 in. radius $14 25

Half doz in cardboard box; wt per doz 17 lbs.

Narrow Edger.

Both ends rounded. Per Doz

No. 38—Length 8 ins; width 1 3/4 ins; depth 3/4 in; with 5/8 in. radius $15 00

Half doz in cardboard box; wt per doz 14 lbs.

Square Edger.

Both ends rounded. For finishing the edges of steps, etc. Per Doz

No. 17—Length 6 ins; width 3 ins; depth 1 1/2 ins; with 1/16 in. radius $18 00

Half doz in cardboard box; wt per doz 19 lbs.

Corner Tool.

One straight end and other end projecting to allow for very close work in corners. Per Doz

No. 6—Length 6 ins; height sides 1 1/2 ins $12 60

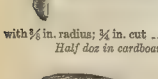
Half doz in cardboard box; wt per doz 14 lbs.

Radius Tool.

For laying out and finishing curves, circles and for working around outside corners. Per Doz

No. 23—Length over all 6 1/2 ins; size blade 1 1/16 x 1 1/2 ins. with 3/16 in. radius; 3/4 in. cut $10 95

Half doz in cardboard box; wt per doz 12 lbs.



Curb Tool.

For forming and finishing top of curbing or abutment, at sides of steps, lawn walks, etc. Per Doz

No. 45—Length 6 ins; width inside 4 ins; height inside 1 1/2 ins ... $27 75

Half doz in cardboard box; wt per doz 21 lbs.

CEMENT TOOLS

Cast iron working surfaces, polished and nickel plated; reverse side and handle post japanned. Polished hardwood handles.

Curb Gutter Tool.

Double half round face, sides slightly curved at both ends. For finishing the curb, formed in making combined curb and gutter. Per Doz

No. 26—Length 6 in; width 3 in; extreme width 4 3/4 in. $25 50

Half doz in cardboard box; wt per doz 24 lbs.

Tuck Pointers.

Concave groove used for making raised pointing or beading on cement block, brick or stone walls. The beading will not cling to the tool. Length blade 4 3/4 inches, length over all 9 1/4 inches. Brass ferrule.

Nos.	12-1/4	12-3/8	12-1/2
Width groove, ins.	1/4	3/8	1/2
Wt doz, lbs	4	4	4
Per Doz	$12 75	12 75	12 75

Half doz in cardboard box.

Corrugating Tool.

Both ends rounded. For corrugating inclined sidewalks and driveways to prevent slipping and to help the drain of water. Per Doz

No. 44—Length 6 ins; width 4 1/2 ins; 10 corrugations 1/8 in. deep $25 50

Half doz in cardboard box; wt per doz 25 lbs.

Indentation Rollers.

For imprinting the surface of walks, making square impressions, giving the walk a neat appearance. Each

No. 15—Length of cylinder 10 ins; diam 4 ins; hardwood handle 14 ins long $7 20

Packed loose, wrapped; handle separate; wt each 10 lbs.

Indentation Rollers.

The impressions are close together and leave no flat places on surface. Dots are cut diagonally, preventing the tearing up of material when used on soft cement. Each

No. 70—Nickel plated; length cylinder 8 ins; diam 3 1/2 ins; detachable hardwood handle 14 1/2 ins long $12 00

Packed loose, wrapped; handle separate; wt each 5 1/2 lbs.

Tampers.

Cast iron, square pattern, reinforced handle socket, 48 inch hardwood handle.

Nos.	16	29	21	34
Size base, ins.	6x6	8x8	9x9	10x10
Wt each, lbs	12	14	16	19
Per Doz.	$40 50	49 50	54 00	55 50

Shipped loose.

MOSSBERG WRENCHES

GENERAL SERVICE SET

Contains 5 Wrenches, 10 Openings.

No.	Wrench Opening Sizes Inches	Length Inches	Thickness Inches
1—F210	1/4 & 5/16	3 1/4	5/32
1—F224	3/8 & 7/16	4	5/32
1—F235	1/2 & 9/16	4 3/4	7/32
1—F253	5/8 & 3/4	6 7/8	1/4
1—F275	7/8 & 1	8-3 4	9/32

A general set will do ordinary work on nuts, bolt heads and screws of 1/8 to 9/16 inch diameter.

All special steel. Semi-finished.

No. C6509—1—W't 2 lbs., per set $1.55

ONE SET IN A BOX

GARAGE SET

9 Wrenches, 18 Openings.

One opening of each wrench fits U. S. bolts and the other opening of the same wrench fits the S. A. E. cap screws of the same dimension.

Range of sizes covers bolts and screws up to 3/4 inch bolt and screw diameter. Offset at 15 deg.

Thin model for clearance.

Set consists of 1 each of the following:

Wrench No.	Wrench Opening Sizes Inches	Length Inches	Thickness Inches
F220	5/16 & 3/8	4	5/32
F232	1/2 & 7/16	4-3/4	7/32
F234	19/32 & 1/2	4 3/4	7/32
F244	11/16 & 9/16	5 3 4	7/32
F254	25/32 & 5/8	6 7 8	1/4
F267	7/8 & 3/4	8	1/4
F274	31/32 & 7/8	8-3/4	9/32
F278	1-1/16 & 15/16	8-3/4	9/32
F293	1-1/4 & 1-1/16	11	9/32

Special steel, full finished.

Shipping Weight—4-3/4 pounds.

No. C6508—4SF—Per set.....$4.65

ONE SET IN A BOX

SOCKET WRENCH SET

A full line of engineers' open-end wrenches—these are for close work, and are thin-model construction.

Packed in hardwood cabinet box with a tray compartment so that every tool is in its place at all times.

Contains:

1—C6531—350 Reversible Ratchet Handle, 10 in. long.

1—No. F330 Solid "Tee" Handle, 10 in. high.

1—No. F320 Offset Handle, 10 in. long.

1—C6521—351 Extension Bar, 9½ in. long.

1—No. F77 Combination Pliers, 6 in. long.

Five Engineers' Open-end Wrenches:

10 Openings, 5/16, 3/8, 1/2, 7/16, 9/16, 5/8, 3/4, 7/8, 15/16, 1 inch.

1—C6520—336 Universal Joint.

No. F101 Double-end Offset Screw Driver.

Three sizes spark plug sockets.

1—No.F402 opening 29/32 in. hex.

1—No. F407 opening 31/32 in. hex.

1—No. F422 opening 1-5/32 in. hex.

Thirty-seven No. C6478 guaranteed steel sockets: hex.: 5/16, 3/8, 13/32, 7/16, 15/32, 1/2, 17/32, 19/32, 5/8, 21/32, 11/16, 23/32, 25/32, 13/16, 27/32, 7/8, 29/32, 31/32, 1, 1-1/32, 1-3/32, 1-5/32 and 1-9/32 inches. Square: 13/32, 15/32, 17/32, 19/32, 21/32, 23/32, 25/32, 29/32, 1-1/32, 1-5/32, 1-9/32 inches.

Construction: "All-steel."

No. C6507—14—W't each 17½ lbs., per set $22.65

ONE SET IN A BOX

SOCKET WRENCH SET

Contains:

1—No. C6530—355 Ratchet Handle, 8 in. long.

1—No. C6521—351 Extension Bar, 9-3/8 in. long.

Fifteen No. 6478 Sockets of steel: hex. openings, 13/32, 15/32, 17/32, 19/32, 5/8, 21/32, 23/32, 25/32, 13/16, 27/32, 29/32, 1, 1-1/32, and 1-3/32 inches.

One 29/32 inch Hexagon Spark Plug Socket, No. F402, 4 in. long.

Construction: "All-steel."

No. C6513—13—W't 5½ lbs., set $7.65

ONE SET IN A BOX

Designed to be used for millwright work and by blacksmiths in mill and carriage repairs and assembly.

Square bolts and nuts are fitted evenly by these sockets and with the power applied on all four sides of the bolt or nut or screw, the taking down or setting up machines, pulleys and fixtures can be performed quickly and with less effort. The use of sockets with the ratchet handle exceedingly cuts down the cost of repair and assembly work.

Contains:

1—C6531—350 Reversible Ratchet Handle, 10 in. long.

1—C6521—351 Extension Bar, 9⅜ in. long.

1—C6520—336 Universal Joint.

1—No. F101 Double-End Offset Screw Driver.

Twenty-six No. C6478 Guaranteed Sockets: hex. 15/32, 1/2, 17/32, 19/32, 5/8, 21/32, 11/16, 23/32, 25/32, 13/16, 27/32, 7/8, 29/32, 31/32, 1, 1-1/32, 1-3/32, 1-5/32, and 1-9/32 inches. Square: 13/32, 17/32, 19/32, 21/32, 25/32, 1-1/32 and 1-5/32 inches.

Construction: "All-steel."

No. C6511—9—W't 8⅜ lbs., set $13.00

ONE SET IN A BOX

MOSSBERG CHROME MOLYBDENUM STEEL SOCKET ASSORTMENT

This Cabinet of interchangeable sockets and accessories assures a profitable and quick turning business.

It answers the dealers' question as to "how many" and "what should he stock" to adequately take care of demands of car owners and mechanics.

Common sense combination socket wrench sets can be quickly and easily assembled with just necessary sizes of sockets needed.

All sockets in Cabinet are Chrome Molybdenum Steel.

Sockets and standard interchangeable wrench accessories are furnished in accordance with popularity of sizes, NOT A STOCK BUT A WELL BALANCED ASSORTMENT.

Cabinet is a Silent Salesman that will build dealers wrench business.

CONTAINS:

3—350 Reversible Ratchet Handles.
3—368 Universal Joints.
3—333 Tee Handles.
4—371 Connecting Blocks.
3—369 Reversible Ratchet Unit.
3—366 Speed Brace.
3—367 Speed Brace.
3—323 Offset Handles
3—332 Tee Handles.
3—373 Extension Bars.
3—372 Extension Bars.
3—370 Sliding Tee Handles.
70—Chrome Molybdenum Steel Sockets.

Hexagon—

4—7/16
4—1/2
6—9/16
6—5/8
4—11/16
6—3/4
4 each, 13/16, 7/8
3 each, 15/16, 31/32, 1 in.

Square—

3 of each, 3/8, 7/16, 1/2, 9/16, 5/8.

Cabinet Brown enamel steel cabinet.

Brackets—Each bracket holds two wrenches. Brackets brown enamel.

Size of Cabinet—9 1/4×21×25 3/4 in. Each cabinet shipped with assortment packed ready for display.

No. C6516—800—Shipping w't 80 lbs.....per assortment $100.00

MOSSBERAG HEAVY DUTY SOCKET SET

Made of Chrome Molybdenum steel which effectively guarantees sockets against "rounding" or "splitting" even though nuts are not fitted correctly.

Sockets made of this steel withstand abuse and are trouble proof for use of both car owner and mechanic as well as affording absolute safety in all industrial requirements.

Chrome Molybdenum steel sockets are ultimate choice for constant, every hour use for repairs, assembly and hardest work.

Designed for service work on all cars.

Interchangeable socket features complete with standard Mossberg ratchet handle makes this set ideal for garage repair work.

CONTAINS:

350 Ratchet Handle.
323 Offset Handle.
332 Tee Handle.
366 Speed Brace.
368 Universal Joint.
333 Tee Handle.
367 Speed Brace.
369 Ratchet Unit.
370 Sliding Tee.
371 Connecting Block.
372 Extension Bar.
373 Extension Bar.

3 Spark Plug Sockets, Hexagon—5/8, 13/16 and 1 1/16 in.

18 Chrome Molybdenum Steel Sockets—7/16, 1/2, 9/16, 11/16, 5/8, 13/16, 3/4, 15/16, 7/8, 1 1/16, 1 1/8, and 1 in. Square—3/8, 7/16, 1/2, 9/16, and 5/8 in.

Brown enamel steel Kit with handle for carrying. Size of Kit—4 1/2×11 1/8×20 3/4 in.

No. C6517—82—Shipping w't 24 lbs., per set $30.65

MOSSBERG SOCKET WRENCH SETS

Recommended for car owner. It contains only those sizes of sockets that are more useful together with the more popular units.

Set has 10 sizes of sockets, two length extension bars, Mossberg standard No. 350 Reversible Ratchet wrench and Connecting Unit.

CONTAINS.

350 Ratchet Handle.
372 Extension Bar, 5 inches.
373 Extension Bar, 10 inches.
371 Connecting Block.
10 Chrome Molybdenum Steel Sockets, Hexagon—7/16, 1/2, 9/16, 11/16, 5/8, 13/16, 3/4, 15/16, 1 1/16, and 1 1/8 in.
Brown enamel steel box.
Size of box—12 1/2×3 1/2×10 5/8 in.

No. C6518—80—Shipping w't 6 lbs., per set $10.65

Contains just necessary sizes of sockets for every day garage and service station repair work.

CONTAINS:

366 Short Speed Brace.
371 Connecting Block.
373 Extension Bar, 10 in.
372 Extension Bar, 5 in.
368 Universal Joint.
370 Sliding Tee.
350 Ratchet Handle.
10 Chrome Molybdenum Steel Sockets, Hexagon—7/16, 1/2, 9/16, 11/16, 5/8, 13/16, 3/4, 15/16, 1 1/16, and 1 1/8 in.
3 Spark Plug Sockets, Hexagon—5/8, 13/16, and 1 1/16 in.
Brown enamel steel kit, with handle for carrying. Size of kit, 4 1/2×11×14 3/4 in.

No. C6519—81—Shipping w't 14 lbs., per set $20.00

MOSSBERG WRENCHES

SOCKET WRENCH SET

A Socket Set that has proven general satisfaction to users that socket wrenches are standard and actually replacing other types of wrench tools. Contains:

1—C6531—350 Reversible Ratchet Wrench, 10 in. long.

1—C6521—351—Extension Bar, 9½ in. long.

1—C6520—336 Universal Joint.

1—F101 Double-end Offset Screw Driver.

21 No. C6478 Sockets of guaranteed quality: hex.: 15/32, 1/2, 17/32, 19/32, 5/8, 21/32, 11/16, 23/32, 25/32, 13/16, 27/32, 7/8, 29/32, 31/32, 1, 1-1/32, 1-3/32, 1-5/32, and 1-9/32 inches.

1—No. F402, 4 in. long, 29/32 in. opening, Spark Plug Wrenches.

1—No. F422, 4 in. long, 1-5/32 in. opening, Spark Plug Wrenches.

Fitting Standard Spark Plugs.

Construction: "All-steel."

No. C6514—10—W't 7¾ lbs., per set $13.00

ONE SET IN A BOX

"UNIVERSAL" SOCKET SET

A low-price set that offers nearly all adjustments that the average owner ever needs to make, without disassembling the car.

Contains:

1—C6530—355 Ratchet Handle, 8 in. long.

1—C6521—351 Extension, 9½ in. long.

1—C6520—336 Universal Joint.

1—No. F101 Offset Screwdriver.

10 No. C6478 Sockets.

Socket Size Hex.	Fitting: U. S. Standard Bolts & Nuts	Fitting: S. A. E. Screws	Fitting: Hex. Head Cap Screws
15/32	....	1/4	1/4
17/32	1/4	5/16	5/16
19/32	....	3/8	3/8
21/32	....	7/16	7/16
23/32	3/8	....	....
25/32	....	1/2	1/2
29/32	1/2	9/16	5/8
31/32	....	5/8	....

Socket Size Square	Square Head Set Screw	Square Head Coach Screw	Hex. Head Cap Screw
19/32	9/16	3/8	7/16

Also one 31/32 inch spark plug socket, four inches high, fitting all plugs made for Fords.

Fits: 84 possible adjustments on Fords.

Finish: No. 355, No. 351, No. 336, nickel. No. F101, oil black. Sockets, mottled.

No. C6536—30—W't 4½ lbs., per set $7.65

ONE SET IN A BOX

STANDARD TAPPET WRENCH SET

Tappet rods on poppet valves should be adjusted often—if the motor is to be expected to run quietly.

Special wrenches are needed because the adjusting nut and check nuts are thin.

For easy adjustment, the wrenches must meet the exacting conditions; that is, they must be long and thin and generally must be used in pairs, and must be made of high carbon steel. Contains: 8 double-end wrenches, 16 openings.

Wrench No.	Wrench Opening Sizes Inches	Length Inches	Thickness Inches
2—F201	3/8, 7/16	7	1/8
1—F203	1/2, 9/16	7	1/8
1—F204	1/2, 9/16	7	3/16
1—F205	5/8, 11/16	8	1/8
1—F206	5/8, 11/16	8	3/16
1—F207	3/4, 13/16	8	3/16
1—F208	3/4, 7/8	8	3/16

Construction: High carbon steel.

Finish: Burnished nickel, hardened, edges round, openings accurate.

No. C6506—200—Shipping w't 1¾ lb., per set $3.65

EACH SET IN CANVAS ROLL

Hibbard HARDWARE for HARD WEAR

MOSSBERG WRENCHES

SMALL SERIES SOCKETS

For owner work there are no wrenches which compare with drawn steel sockets as Mossberg sockets.

Sockets are marked to exact opening of sockets. The marking of each socket represents the short diameter of nuts, bolt heads and screw heads plus the clearance.

Construction: Drawn by pressure from cold rolled steel, thereby retaining the necessary long grain in structure.

Finish: Mottled and lacquered.

Sizes marked ★ are shipped from factory only

HEXAGON FITTINGS

Socket Opening Size Hex Inches	U. S. Standard Nuts and Bolts. Bolt Size Inches	S. A. E Standard Screws Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches
5/16	...	....	....
11 32	.....	.. ..	.....
3/8	. ..	.....	... .
13/32	.....	....	.....
7/16	.....	. ..	.. .
15/32	.....	1/4	1/4
1/2	.....	.....	..
17/32	1/4	5/16	5/16
9/16	.....	.. .	.. .
19/32	..	3/8	3/8
5/8	5/16	.. .	....
21/32	.....	7/16	7/16
11/16	.	..	.....
23/32	3/8	. ..	.....
3/4	.....	.....	..
25/32	..	1/2	1/2
13/16	7/16	.....	..
27/32	.....	. ....	9/16
7/8	.....	.....	...
29/32	1/2	9/16	5/8
15/16	.....	.....	.....
31/32	.. ..	5/8	.....
1	9/16	..	..
1-1/32	..	11/16	3/4
1-3/32	5/8	3/4	.. .
1-5/32	.....	.. .	7/8
1-9/32	3/4	7/8	1

Square Socket Fitting

Square Socket Opening Size. Square Inches	U. S. Std. Nuts and Bolts. Bolt Size Inches	Square Head Set Screws. Inches	Square Head Coach Screws. Inches
13/32	...	3/8	1/4
★15/32	..	7/16	.. ..
17/32	1/4	1/2	5/16
19/32		9/16	3/8
21/32	5/16	5/8	.....
23/32	3/8	.	7/16
25/32	.. .	3/4	1/2
29/32	1/2	7/8	9/16
1-1/32	9/16	1	.. ..
1-5/32	....	.. ..	3/4
1-9/32	3/4	.	. .

Specify size and whether Hex. or Square Sockets are desired.

No. C6478—Height 1¾ in., all sizes.....each $0.25

ONE DOZEN IN A BOX

SMALL SERIES SOCKETS

No. C6523—167—Square pressed steel socket, ⅜ in., to be used as connection for short extension bar, universal joint No. C6520, and long extension bar No. C6521, w't each 1¼ oz.....each $0.25

LOOSE

REVERSIBLE RATCHET HANDLE

The reversible ratchet handle that is responsible for the general adoption of interchangeable sockets.

It is light in weight, of good leverage and strong. Heavy steel sheet. Buffed nickel. Length, 10 inches.

No. C6531—350—W't 1 lb., each $3.35

ONE IN A CARTON

RATCHET HANDLE

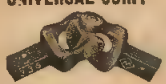
Heavy steel sheet.

Burnished nickel. Length, 8 in.

No. C6530—355—W't 11 oz., each $1.75

ONE IN A CARTON

UNIVERSAL JOINT



Enables adjustments to be made, otherwise impossible to reach. Fits: Handles, sockets and bars. Burnished nickel finish.

No. C6520—336—W't 6 oz., ea. $0.75

LOOSE

EXTENSION BAR

An extension bar in socket work is absolutely essential to reach out-of-the-way places and to employ universal joints and other helpful units.

Steel tube. Burnished nickel. Length, 9½ inches.

No. C6521—351—W't 11 oz., each $0.90

LOOSE

DOUBLE-END OFFSET HANDLE

1/2 inch Special Steel Bar. Burnished nickel. Length, 10 inches.

No. C6524—322—W't 12 oz., ea. $0.50

LOOSE

DOUBLE END SPARK PLUG

Spark Plug Wrenches to fit two sizes of body nuts are economical and provide the best way to work on hot spark plugs. In fact, this sort of wrench is the only type to completely protect the fragile porcelain of plugs. "All-steel" of special manufacture. Handles of 7/16 inch heavy bar. Burnished nickel.

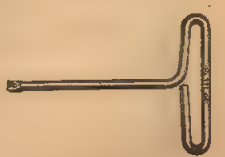
Length: Socket, 4 in. Handle, 5½ in.

Shipping weight: 10 ounces.

No.	Fact'y No.	L'g'th In.	Hex. Opening Inches		Each
C6473	455	4	⅜	1 3/32	$0.65
C6474	457	4	⅜	1 3/32	.65

ONE IN A CARTON

MOSSBERG SOLID TEE HANDLE WRENCH



For equipment purposes this wrench handle is ideal. Eliminates the necessity of buying a complete wrench with various sizes of sockets. This tee handle is used in conjunction with any or all of our No. C6478 Sockets.

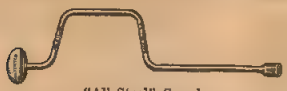
No. C6548—331—Constructed of ⅜ in. Special Steel Bar. Burnish nickel finish. Width of handle, 7½ in. Length over all, 11 in., w't each 1½ lbs.....each $0.90

LOOSE

★ Items Marked Thus ★ Are Shipped from Factory Only.

MOSSBERG WRENCHES

SPECIAL SPEED BRACES FOR FORDS



"All-Steel" Speed.

3/8 INCH CAP SCREW WRENCH

Construction: Chrome manganese steel. Deep socket and ½-in. bar of one-piece construction. Properly heat treated.
Finish: Burnished nickel.
Opening: ⅜ in. hex.
Fits:
Clutch release fork clamp screw.
Crank case and cylinder cover cap screws.
Crank case arm bolt nuts, top and sides.
Cylinder valve cover screw.
Engine base bolts and nuts.
Inlet and exhaust clamp stud nut.
Magnet bolts.
Muffler head retainer bolt and nut.
Transmission cover bolt and nut.
Transmission cover screws.
Length: 19¼ in.
No. C6544—611—W't 1¼ lbs .....each $1.35

7/16 INCH CAP SCREW WRENCH

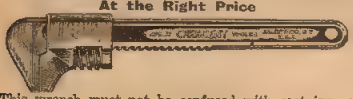
Opening: 7/16 in. hex.
Fits:
Connecting rod cap bolt nut.
Crank case front bearing screw.
Cylinder front cover cap screw (starter type).
Cylinder head cap screws.
Cylinder water inlet connecting screw.
Length: 19¼ in.
No. C6545—612—W't 1 lb.....each $1.35

5/16 INCH CAP SCREW WRENCH

Opening ½ in. hex. **Fits:**
Coil box nuts.
Controller shaft bracket bolt nut.
Crank case lower cover screw.
Dash bracket-to-dash bolt nut.
Horn bolts and nuts.
Length: 14½ in.
No. C6546—613—W't 9/16 lb.....each $1.20

A CRESCENT WRENCH FOR ALL-AROUND USE

At the Right Price



This wrench must not be confused with cast iron and malleable wrenches of the same type. It is a tool of value; one that upholds the Crescent reputation for dependability.

A sturdy, general purpose tool, entirely forged from special analysis steel. Hardened and oil tempered.

Teeth in handle accurately milled, giving ease of adjustment. Face of jaws are also milled, so that they grip along their entire surface.

Spring under adjusting knurl holds jaw set until adjustment is changed.

Adjusting knurl turned from a solid bar of steel and hardened.

Hand polished finish, giving a splendid appearance.

No. C6500—019—9 in. long, with a capacity, fully open, of 3 in. Length of jaw 1⅛ in. W't per doz. 12 lbs., per dozen $13.35
No. C6501—0111—11 in. long, with a capacity, fully open, of 3 in., length of jaw 1⅛ in., w't per doz. 19 lbs., per dozen $22.10
ONE IN A BOX

SPEED BRACE

Construction: Chrome manganese steel. Deep sockets and 1/2 inch bar of one piece construction. Sockets made in round shape allowing thin walls, minimum clearance, and with reinforced faces. Properly heat treated.
Finish: Burnished nickel.
Length: 19¾ inches.

Speed Brace Wrench No.	Socket Opening Size Hex Inches	U. S. Standard Nuts and Bolt Heads Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches
C2429G	7/16	....	1/4	1/4
C2433G	1/2	1/4	5/16	5/16
C2437G	9/16	....	3/8	3/8
C2441G	5/8	....	7/16	7/16
C2445G	11/16	3/8	....	....
C2449G	3/4	....	1/2	1/2

All Nos. -Each $1.35

COTTER PIN PULLER

This tool will pull cotter pins of all ordinary sizes in almost any location. It is unnecessary to straighten pin before pulling.

Strongly made of pressed steel, with tempered hook, nickel finish.

No. C6428—W't per doz. 4 lbs.....per dozen $6.65
LOOSE TWELVE IN A COUNTER DISPLAY BOX

HIBBARD'S
for
GARAGE
SUPPLIES

CLOTHES LINE REELS

BLUE BIRD

Two piece, dustproof steel case, blue enameled; ebonized wood handle fitted with substantial ratchet designed to hold line tight at any length. Reel equipped with 30 feet of hard braided stout cord. Complete with necessary screws and hooks for mounting.

No. BB—Diam case 5 ins; Per Doz width 2 ins; length crank 1½ ins $12 60

One in cardboard box; wt per doz 10 lbs.

HANDY

Hardwood, smooth finish.

Per Doz

No. HR1—Length over all 12½ ins; width 5 ins $5 10

Packed loose; wt per doz 12 lbs.

CLOTHES LINE PULLEYS

For Wire, Rope or Cord Clothes Lines up to ½ Inch.

5 inch cast iron wheel, yoke and axle; steel wire suspending link for attaching to building or fence; adjustable steel wire guards prevent clothes being drawn into contact with pulleys, adjusts itself to any angle as the line sags under heavy load. The large wheel has great drawing power, runs easily and permits removing clothes from line without changing positions, accomplished by reeling the line.

Per Doz

No. 6500—Black japanned $12 00
No. 6500G—Galvanized 14 25

Packed loose; wt per doz 9 lbs.

SAD IRONS

COMMON

Japanned finish; polished face and edges; wrapped separately in paper.

Polished.

Nos.	104	105	106	107	108	109
Wt each, lbs	4	5	6	7	8	9
Per 100 Lbs				$19 80		

Nickel Plated.

Aluminum finish, nickel plated face and edges, wrapped separately in oiled paper.

Nos.	114	115	116	117	118	119
Wt each, lbs	4	5	6	7	8	9
Per 100 Lbs				$24 00		

Packed loose in barrels.

TAILORS' PRESSING

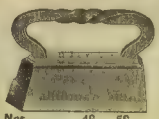
Japanned top and twisted iron handle, polished face and edges, each iron wrapped in paper.

Nos.	12T	16T	18T	20T	22T
Wt each, lbs	12	16	18	20	22
Length, ins	7	8	8½	8½	9
Width, ins	4	4¼	4½	4½	5
Per 100 Lbs	$26 40	26 40	26 40	26 40	26 40

Packed loose.

SAD IRONS

TAILORS' GEESE



Wrought iron finish, extra polished face and edge. One-half inch twisted handle.

Nos.	1G	2G	3G
Wt each, lbs	12	14	16
Size bot, ins	2⅝x9	2¾x9	3¼x9
Per 100 Lbs.	$26 40		

Nos.	4G	5G	6G	7G	8G	9G
Wt each, lbs	18	20	22	24	26	30
Width bot, ins	3¾	3½	3¾	3⅝	3¾	4¼
Length ins	9	10	10¾	10⅝	10½	9⅛
Per 100 Lbs	$26 40					

Packed loose.

Mrs. POTTS' PATTERN—Genuine Colebrookdale.

Set consists of three irons; one varnished hardwood handle and one cast iron stand.

HEAVY WEIGHT, Net Weight Per Set 15 Lbs.
Nickel plated face and sides, japanned tops.

No.	C50
Less than case, Per Set	$4 95
Case or more, Per Set	4 65

Plain polished face and sides, japanned tops.

No.	C55
Less than case, Per Set	$4 80
Case or more, Per Set	4 60

Six sets in wood case; wt per case 108 lbs.

Mrs. POTTS' PATTERN

Set consists of three irons; one varnished hardwood handle and one cast iron stand.

LIGHT WEIGHT, Net Weight Per Set 12½ Lbs.
Nickel Plated face and sides, japanned tops.

No.	50-3
Per Set	$3 3 90
Per case of 6 Sets	22 26

Plain polished face and sides, japanned tops.

No.	55-3
Per Set	$3 3 60
Per case of 6 Sets	20 76

Six sets in wood case; wt per case 78 lbs.

SAD IRON HANDLES

For Mrs. Potts' Patent Sad Irons.

Japanned cast iron stretcher; hardwood handle, polished. Will fit any standard sad iron. Per Doz

No. 580—Wt per doz 5 lbs. $3 30

Five in paper pkg; 100 in case.

For Mrs. Potts' Patent Sad Irons.

Hardwood handle and knob. Per Doz

No. 501—Standard. Japanned stretcher $3 45

No. 20—Colebrookdale. Hazelwood handle; tinned cast iron stretcher attached by extra long screws 5 40

No. 501 half doz; No. 20 quarter doz in paper pkg; wt per doz 8¼ lbs.

UNIVERSAL

Black enameled wood grip; japanned stamped steel stretcher; heavy polished steel wire thumb press; coppered steel wire spring; stamped steel latch. Fits all makes Mrs. Potts' Irons. Per Doz

No. 507—Length 4¾ ins; height 3¼ ins $5 10

Packed loose; wt per doz about 5 lbs.

SAD IRONS

LAUNDRY SETS

Consists of one asbestos lined hood with handle attached, two double pointed cores, one square heeled core and one asbestos covered stand.

Weight of hood and one double pointed core, 6 pounds, hood and one square heeled core, 7 lbs.

No. 100L

Less than 3 sets, Per Set $6 60

Package of 3 sets, Per Set 6 30

One set in cardboard box; three sets in wood case; wt per case 60 lbs.

ASBESTOS LAUNDRY SETS

Consists of one asbestos lined hood with handle attached, three double pointed cores or bottoms and one asbestos covered stand.

Cores in this set are interchangeable with those in No. 70-1, permitting dealer to offer his trade a 2-core set when so desired. Weight of hood and one core 6 lbs.

No. 70

Less than 3 sets, Per Set $6 55

Package of 3 sets, Per Set 5 25

One set in cardboard box; three sets in carton; wt per carton 49 lbs

SAD IRONS

ASBESTOS LAUNDRY SETS

Consists of one asbestos lined hood with handle attached, 1 double pointed core interchangeable with set No. 70 and asbestos covered stand. Weight of hood and one core 6 lbs.

No. 70-1

Less case lots, Per Set $3 39

Case lots, Per Set 3 24

One in cardboard box, three in carton; wt per carton 20 lbs

EXTRA CORES FOR NOS. 70 AND 70-1

Laundry Sets. Each

No. 70C—Wt each 3½ lbs $1 08

One in cardboard box.

DOVER LAUNDRY SETS

Full nickel plated and polished, patent wedge lock.

Oval shape cast iron cores, asbestos covered stand 6x6 inches and black enameled wood handle.

Set consists of one unlined hood, three cores and one stand.

Per Doz Sets

No. 60—Wt of hood and one core, 5 lbs $47 25

One set in carton; 3 sets in wood case; wt per case 46 lbs.

SAD IRON HOODS

ASBESTOS

Nickel plated steel hood, asbestos lined, with black enameled wood handle, and patent lock.

Per Doz

No. 61—Unlined; fits No. 60 sad irons $17 25

No. 71—Asbestos lined; fits No. 70 sad irons 27 00

One in carton.

CHARCOAL SAD IRONS

SELF HEATING

Family and Laundry Sizes.

Cast iron; polished face and sides; gold bronzed top; japanned wood handle; bright tin shield.

Single flue, top opens at back to allow fuel to be put in; either charcoal or live coals from common wood may be used.

No. 4C

Wt each, lbs. 6½

Size base, ins 4¼x6¾

Per Doz $50 25

Half doz in wood box.

GASOLINE SAD IRONS

COMFORT

Cast iron nickel plated core, pointed on both ends; ebonized wood handle shaped to fit the hand; protected from the heat by two asbestos pads and an air space; cast brass highly nickel plated gasoline fount.

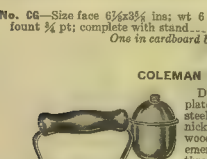
The iron is quickly lighted, and requires only ½ teaspoonful of gasoline to generate. The heat can be regulated to suit the operator. Operates 5 hours on one filling.

Each

No. C6—Size face 6¾x3¾ ins; wt 6 lbs; capacity oil fount ¾ pt; complete with stand $11 70

One in cardboard box.

COLEMAN



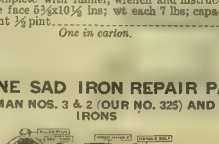
Double pointed, nickel plated base, highly polished; steel lid and handle frame nickel plated, enameled wood handle. Heating element constructed of brass throughout. The insulated and ventilated lid prevents tarnishing and keeps the handle cool. Operates without the use of a pump or torch. Burner extends full length of iron, heating the entire bottom with the point the hottest. Heat can be regulated instantly for light or heavy work. Per Doz

No. 325—Complete with funnel, wrench and instructions. Size face 6¾x10½ ins; wt each 7 lbs; capacity oil fount ½ pint $126 00

One in carton.

GASOLINE SAD IRON REPAIR PARTS

FOR COLEMAN NOS. 3 & 2 (OUR NO. 325) AND ROYAL IRONS



	Each
No. 236—Filler plug gaskets	$0 12
No. 231—Filler plug	54
No. 212—Wood handles	54
No. 2WJ—Wrenches	33
No. 244—Fount less filler plug	2 40
No. 219—Funnels, aluminum	39

PARTS ONLY FOR OUR NO. 325 (COLEMAN'S NO. 2) SAD IRON

	Each
No. 299—Generator pipe and valve complete	$3 30
No. 270—Perforated flame spreader tube	1 35

Packed loose.

ELECTRIC SAD IRONS

"Also Dept. 5, Page 1286"

UNIVERSAL

Seamless brass hood and base, nickel plated and polished; nickel plated steel handle bow and tip up heel rest; ebonized wood handle. Complete with nickel plated steel stand, 6 feet cord and separable attachment plug. Operates on A. C. or D. C. Size face 7x4 inches.

	Each	Lots of 6
No. E9070—110 volts (can be used on any voltage from 105 to 155); 626 watts; wt each 6 lbs	10 50	
One in carton; six in stand pkg.	*$5 00*	

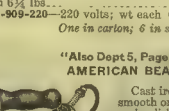
"Also Dept. 5, Page 1286" "UNIVERSAL"

Seamless brass hood and base, nickel plated. Ebonized wood grip. Complete with reversible heat-proof spring stand, 6 ft mercerized cord and lamp socket plug. Heater cord furnished with detachable extension coil spring prevents the cord from dragging when in use. Size face 6½x4¼ ins.

	Each	Lots of 6
No. E909-110—Voltage 110 (can be used on any voltage from 105 to 115); wattage 580; wt each 6¼ lbs	$12 00	68 04
No. E-909-220—220 volts; wt each 6¼ lbs	12 00	68 04

One in carton; 6 in stand pkg.

"Also Dept 5, Page 1286" AMERICAN BEAUTY

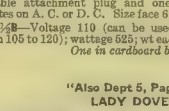


Cast iron base, ground perfectly smooth on both sides; nickel plated and polished; chromium nickel ribbon resistance; India mica insulation; sheathed heating element has perfect distribution of heat over entire ironing surface. Black ebonized wood handle. Handle supports electrically welded to the hood; composition switch plug with non-kink spring that keeps it out of the way of the user. Complete with 6 ft of cord having detachable plug; separable attachment plug and one two deck steel stand. Operates on A. C. or D. C. Size face 6½x3¾ inches. Each

No. 6½B—Voltage 110 (can be used on any voltage from 105 to 120); wattage 625; wt each 6½ lbs 17 10

One in cardboard box. *$7 50*

"Also Dept 5, Page 1286" LADY DOVER



Cast iron base; stamped steel top, nickel plated and polished; nickel plated stamped steel handle frame. Has no burn-out heating element, indestructible and trouble proof. Toggle switch plug at iron. Tapering lines permit full visibility of work at all times. Complete with stand, 6 feet of cord and separable attachment plug. Size face 7½x4 inches. Voltage 110 (can be used on any voltage from 105 to 115) wattage 550; operates on A. C. or D. C.; weight each 6½ pounds.

No.	870-110
Less than five, Each	$14 19
Lots 5 or more, Each	13 17

One in carton.

ELECTRIC SAD IRONS

DOMANCO

"Also Dept. 5, Page 1286."

Polished bright base, other exposed parts nickel plated.

Top section consists of heavy sheet steel hood, formed to prevent radiation of heat from interior of iron. Black enameled wood handle is held firmly between the supports. A heat reservoir of solid iron is bolted to heating element and extends into the space formed by hood. Non-corrosive nickel plated terminal posts. Heating element consists of special resistance wire embedded and permanently sealed in a composition readily conducts heat.

Complete with 6 feet of insulated cord and attachment plug and one two deck steel stand; has detachable plug.

Voltage 110 (can be used on any voltage from 105 to 115); operates on A. C. or D. C. Size face 3⅝x6¼ ins; wt each 6 lbs.

No.	5
Less than 5, Each	10 50
Case lots of 5 or more, Each	9 75
	$5 00

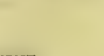
Voltage 32 (For Home Electric Lighting Plants). Each

No. 5-32—Size 3¾x6¼ ins; wt each 6 lbs $13 50

One in cardboard box.

DOMANCO, TOURIST

"Also Dept. 5, Page 1286."



(In use as Grill.)

Cast iron base; stamped steel top, nickel plated and polished; nickel plated stamped steel handle frame with removable, ebonized wood handle securely bolted to frame. Especially designed so that it may be converted from an electric iron into an electric grill by removing handle and using stand as illustrated. Complete with three deck nickel plated steel stand, both sides grooved for curling tongs and brackets for using iron as hot plate, 6 feet of cord and separable attachment plug. Operates on A. C. or D. C.; size face 3⅛x5⅛ ins. Each

No. 3—Voltage 110 (can be used on any voltage from 105 to 115), wt each 3½ lbs $10 80

One in carton; three in standard pkg.

THERMAX

"Also Dept. 5, Page 1287."

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle bow and tip up heel rest; ebonized wood handle. Complete with 6 feet cord and separable attachment plug. Operates on A. C. or D. C. Size face 6¾x4½ inches. Each

No. E3902—110 volts (can be used on any voltage from 105 to 115); 550 watts; each 6 lbs $8 25

One in carton; six in stand pkg.

ELECTRIC SAD IRONS

NEW NORIDAS

"Also Dept. 5, Page 1287."

Cast iron, nickel plated base; stamped steel top with ebonized wood handle, mounted on ventilating plate.

Heating element made of solid mica wound with nickel chromium alloy. Complete with 6 feet of asbestos insulated cord and attachment plugs. Size face 3⅝x6½x1½ inches. Voltage 110 can be used on any voltage from 105 to 115) wattage 600; operates on A. C. or D. C. each 6½ lbs.

No.	N 2
Less than six, Each	$6 30
Lots of six, Each	6 00

One in carton; 25 in wood case.

HOTPOINT, AUTOMATIC

"Also Dept. 5, Page 1286."

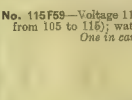
Cast iron face, pressed steel tape, nickel plated and polished; nickel plated stamped steel handle frame with ebonized wood handle and thumb rest. A sturdy anchor securely and hermetically sealed in a special fusible alloy, embedded in the center of the iron bottom. Should iron overheat, the alloy melts, allowing anchor to move, releasing a simple double pole, long gap, quick make and break switch with silver contacts. In a few moments after switch operates the alloy solidifies, securely holding anchor in place. Operates on A. C. or D. C. Each

No. 115F59—Voltage 110 (can be used on any voltage from 105 to 115); wattage 575; wt each 6 lbs 21 00

One in carton; three in std pkg. *$8 95*

HOTPOINT

"Also Dept. 5, Page 1287."



Cast iron face, pressed steel top, nickel plated and polished, nickel plated stamped steel handle frame with ebonized wood handle. With calrod heating element in insulated steel tube, cast in large iron heat reservoir, sealed in from air and protected against physical abuse. Equipped with the Hotpoint hinged plug cord protector and red bakelite convenient thumb rest. Complete with cord and separable attachment plug. Operates on A. C. or D. C.

Six Pound Standard Weight Iron.

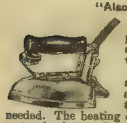
	110 Volts	220 or 240 Volts
Nos.	115F65	115F65-240
Wt each, lbs	6	6
Size face, ins	4x6¾	4x6¾
Wattage	575	575
Each	13 50	13 50
	$6 00	*6 00*

One in carton; three in std pkg.

ELECTRIC SAD IRONS

HOTPOINT

"Also Dept. 5, Page 1287."



Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

Heating element is in two sections arranged V shape on the sole-plate. The sections meet at the point of the iron, thus supplying most heat where most needed. The heating element is clamped between the heavy cast sole-plate and pressure plate, insuring excellent heat-retention.

The 5 and 6 pound irons are equipped with the hotpoint hinged plug cord protector and thumb rest. The new plug prevents troublesome cord breakage, remains always cool, and is easily removable. Complete with cord and attachment plug. Operates on A. C. or D. C.

6 Pound Standard Weight Iron.

	220 or 240 Volts
No.	115F51-240
No. in stand pkg	6
Wt each, lbs	6
Size face, ins	4x6¾
Wattage	575
Each	16 50
	$7 25

6 Pound Standard Weight Iron.

32 Volts. (For Home Electric Lighting Plants.)

No.	115F57-32
(Old No.)	115F23-32
No. in stand pkg	6
Wt each, lbs	6
Size face, ins	4x6¾
Wattage	575
Each	17 25 *$7 50*

110 Volts.

Nos.	113F22	115F62
No. in stand pkg	3	3
Wt each, lbs	3	3
Size face, ins	3½x5½	3½x6¼
Wattage	330	500
Each	9 00	11 10
	$3 95	*5 00*

IN HOLLY BOXES — Each

No. 115F-23-32H—Same as No. 115F23-32, except in Holly Boxes; one in stand pkg $18 00

No. 115F-62H –Same as No. 115F6, except in Holly Boxes; three in stand pkg 11 25

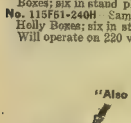
No. 115F-51H – Same as No. 115F51, except in Holly Boxes; six in stand pkg 13 80

No. 115F51-240H Same as No. 115F51-240, except in Holly Boxes; six in stand pkg 17 25

Will operate on 220 volt. *One in carton.*

HOTPOINT

"Also Dept. 5, Page 1287"



Cast iron sole plate, pressed steel top, nickel plated and polished; nickel plated stamped steel handle frame with ebonized wood grip and bakelite thumb rest. Complete with 6 feet of heater cord and attachment plug. Operates on A. C. or D. C. Size sole plate 4x6¾ inches.

	Each
No. 115F61—Voltage 110 (can be used on any voltage from 105 to 115); wt each 6 lbs	11 10
One in carton; 6 in stand pkg.	*$5 00*

ELECTRIC SAD IRONS

LAUNDRY, HOTPOINT

"Also Dept. 5, Page 1288."

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped handle frame, with ebonized wood handle.

Heating element is in two sections, arranging V shape on the sole plate. The sections meet at the point of the iron, thus supplying most heat where most needed. Heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention. Fitted with thumb rest which facilitates ease in guiding iron; rests the wrist and prevents fatigue; also hinged cord protector.

Complete with two-deck stand, suspension spring, cord and contact plug. Attachment plug not included as this requires special wiring and is not intended to operate on lamp socket circuit. Operates on A. C. or D. C. current.

Voltage 110.	Each
No. 117F58—Size face, 4½x7; ins, wattage 700 wt; each 7½ lbs	20 25
One in stand pkg.	*$8 75*

TAILOR, HOTPOINT

"Also Dept. 5, Page 1287."

Cast iron face pressed steel top, highly nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

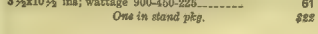
Heating element is in two sections, arranged V shape on the soleplate. The sections meet at the point of the iron, thus supplying most heat where most needed. The Ni-chrome heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention.

In the three-heat style the different heats are obtained by changing the position of the switch-plug. Complete with two-deck stand, suspension spring cord and special switch plug Requires special wiring. Operates on A. C. or D. C. current

Voltage 110.	Each
No. 439F24—Three heats; wt 20 lbs; size 3½x10½ ins; wattage 900-450-225	61 00
One in stand pkg.	*$22 00*

HEATER CORD

"Also Dept. 5, Page 1224."



National Code Standard.

For connecting portable electric heating devices (irons, toasters, grills, etc.) with sockets. Extra flexible and composed of two conductors each, of stranded copper wire. Each conductor cotton wound, then rubber insulated and covered with substantial asbestos braid. Both conductors are twisted together by a braid of hard glazed cotton. Per 1000 Ft

No. 16HC—Size (B. & S.) wt per 1000 ft 38 lbs $60 10

500 ft in coil.

Made in America American Flyer
The Train with the Guarantee Registered U.S. Patent Office

MECHANICAL TRAINS

The engines are of latest design made of highest quality cast iron and are beautifully decorated.

The cars are made of heavy sheet metal, beautifully lithographed in various colors. The cars are made up of baggage, passenger, various freight cars and caboose.

The tracks are made of heavy tin. Each section of track is 10¼ in. long.

No. C0—Cast iron, speed governed engine 6¼ in. Tender 3¼ in. Car 5¼ in. Eight pieces curved track. Length of track 82 in. Length of train 16¾ in. W't per outfit 3 lbs.....per dozen outfits $31.65

No. C1A—Cast iron, speed governed engine 6¼ in. Tender 3¼ in. Largest size single truck car 6¼ in. Eight pieces curved, two pieces straight track. Length of track 103 in. Length of train 18¼ in. W't per outfit 3¼ lbs., per dozen outfits.....$38.00

No. C2—Engine 6¼ in. Tender 4 in. Cars 5¼ in. Baggage car has sliding doors. Eight pieces curved, two pieces straight track. Length of track 103 in. Length of train 24¼ in. W't per outfit 4 lbs., per dozen outfits.....$43.55

No. C5—Train consists of locomotive No. 14 equipped with piston rod and brakes—length 7 in. Tender 4 in. Cars 5¼ in. Baggage car has sliding doors. Fourteen pieces curved track and cross over form figure 8. Length of track 160 in. Length of train 25 in. W't per outfit 4¼ lbs.....per dozen outfits $59.10

No. C113—Train consists of speed governed locomotive No. 12, 6¼ in., equipped with piston rods and brake, tender No. 120, baggage car No. 1108 with sliding doors, two passenger cars No. 1107. Eight pieces of curved and four pieces of straight track form oval 123 in. in circumference. Length of train 31 in. W't per outfit 4¼ lbs., per dozen outfits.....$52.00

No. C13—Train consists of locomotive No. 14 equipped with piston rod and brakes—length 7 in. Tender 4¾ in. Cars 5¼ in. Baggage car has sliding doors. Ten pieces curved, two pieces straight track, automatic switches form oval and circle. Length of track 160 in. Length of train 25 in. Train can be switched from large oval to small oval by opening or closing both switches. W't per outfit 5 lbs.....per dozen outfits $71.75

No. C19—Train consists of No. 14 locomotive, equipped with piston rod and brakes 7 in. Tender 4¾ in. Cars 6¼ in. Tunnel 9¼ in. Station 6¾ in. Semaphore. Twelve pieces track. Length track 125 in. Length train 26¾ in., w't 7¼ lbs.....per dozen outfits $84.45

EACH OUTFIT PACKED IN INDIVIDUAL CARTON BEAUTIFULLY LABELED.

"Made in America" "American Flyer" "The Train with the Guarantee" Registered U.S. Patent Office

PASSENGER STATIONS

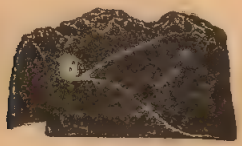
No. C90—Made of heavy sheet metal, beautifully colored in red, white, gray and black. Length 6 in., height 3¼ in., w't per doz. 4½ lbs.....per dozen $7.90

No. C96—Made of heavy sheet metal, beautifully colored in red, white, gray and black. Length 10¾ in., height 5¾ in., width 5¾ in., w't per doz. 9 lbs..per dozen $21.55

FREIGHT STATIONS

No. C95—Made of heavy sheet metal, beautifully colored in red, white, gray and black. Length 12 in., height 7 in., width 7½ in., two sliding doors, w't per doz. 11 lbs., per dozen $42.20

TUNNELS



Beautifully decorated with house of red on the side.

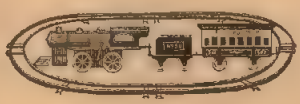
Nos.	C82	C83	C4255	C4256
Length, in.	9½	14	18	22
Height, in.	7	9	12¼	15¼
Gauge train	0	0	2¼	2¼
W't, doz., lbs.	6	8	4¾	8¼
Per dozen	$13.75	16.90	42.20	69.65

HUMMER TRAINS

Built to meet the demand for popular priced American trains. Constructed by the same skilled workmen who make the "American Flyer" Trains.

Engines are formed from heavy sheet steel, black enameled and latest designs. Clockworks have strong steel spring which pulls "The Hummer" at a great speed.

Cars are made all in one piece which makes them very strong. Hummer engines are not covered by 6 months' guarantee.



No. C73—Steel engine, length 6¼ in. Tender 3¼ in. Car 4¾ in. Four pieces of track, length 60 in. W't per outfit 1½ lbs.....per dozen outfits $18.35

ONE SET IN A STRONG LITHOGRAPHED BOX

No. C705—Cast iron engine. Tender 4⅝ in. Two cars 4¾ in., not including couplers. No. 90 Passenger Station. No. 206 Danger Signal. No. 207 Semaphore. Four pieces curved track, 2 pieces straight track. Length of train 19¾ in. Length of track 80 in., w't per outfit 3¾ lbs.....per dozen outfits $40.00

ONE SET IN A STRONG LITHOGRAPHED BOX

No. C900—Mechanical Train, New York Express. Cast iron, engine tender 4 in. Car 5 in. Four piece curved track, 60 in. in circumference. Length of train 15¼ in., per dozen outfits.....$21.10

ONE SET IN A STRONG LITHOGRAPHED BOX

"Made in America" American Flyer "The Train with the Guarantee" Registered U.S. Patent Office

CROSSING GATES

No. C2021

No. C2022

No .C2021—Length 12 in., height 11⅝ in., per dozen $16.90

No. C2022—Electric Lighted and Track Terminal, for No. 0 gauge track, length 15¾ in., per dozen $33.75

PASSENGER STATIONS

No. C99—Three electric lights and isinglass windows, height 7 in., width 7¾ in., length 12 in., per dozen $76.00

No. C101—Height 7⅞ in., width 8 in., length 13¾ in., per dozen $42.20

No. C104—Electric lighted, height 5⅝ in., width 5⅝ in., length 9¾ in., equipped with wires and track terminal, per dozen $42.20

No. C2011

SEMAPHORES

No. C2011—Mechanical **Single arm,** height 9¾ in., per dozen $12.65

No. C207—Single arm, height 7¾ in. per dozen $4.20

No. C207

No. C209

TELEGRAPH POLES

Made of drawn steel tubing, beautifully enameled.

No. C209—Single arm, height 6⅜ in., w't doz. 3 lbs., per dozen $4.20

WATER TANK

No. C2020—Height 9¾ in., per dozen $16 90

No. C2020

DANGER SIGNALS

No. C206.

No. C206A — Beautifully decorated, green, white, blue and black, made of heavy pressed steel, for No. 0 gauge track, height 7 in., w't per doz. 3 lbs....per doz. $4.20

Electric Lighted Automatic Danger Signal Bell with Track Terminal and Special Track. Height 9¾ in.

Nos. C2016 and C4016

No. C2016—For No. 0 gauge track, per dozen $60.75

No. C4016—For use with wide gauge 2¼ in. track, per dozen $65.90

Made in America
American Flyer
The Train with the Guarantee — Registered U.S. Patent Office

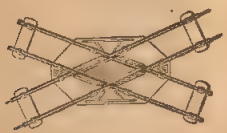
ALL TRACK MADE OF HEAVY STEEL TIN PLATE

MECHANICAL TRACK—"O" GAUGE

No. C300—Curved track units with pins on one end only. Eight pieces make a circle, length 10¼ in., per dozen sections $1.65

No. C301—Straight track units with pins on one end only, length 10¼ in.....per dozen sections $1.65

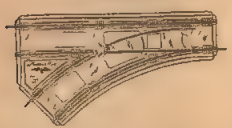
CROSSOVERS



No. C302—Crossover .. ....per dozen sections $10.10

ALL ABOVE, ONE DOZEN IN A BOX

SWITCHES



No. C345—Automatic Mechanical Switch for No. 0 gauge track. Consists of one left hand automatic switch and one right hand, hand switch. Sold in pairs, per dozen pairs $25.35

ONE PAIR IN A BOX

OVB

Our Very Best for Fifty Years Has Stood the Test

ELECTRIC TRACK—"O" GAUGE

No. C400—Curved electric track made of heavy rolled tin plate, length 10¼ in., w't per doz. sections 1¾ lbs., per dozen sections $2.55

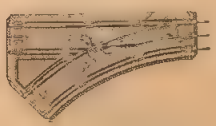
No. C401—Straight track, made of heavy rolled tin plate, length 10¼ in., w't per doz. sections 1¾ lbs., per dozen sections $2.55

CROSSOVERS

No. C402—Electric crossovers, made of heavy pressed tin plate, length 10¼ in., w't per doz. 2½ lbs., per dozen $16 90

ALL ABOVE, ONE DOZEN IN A BOX

SWITCHES



No. C445—Automatic Electric Switch for No. 0 gauge track. It consists of one left hand automatic switch and one right hand, hand switch. Sold in pairs, per dozen pairs $54.90

ONE PAIR IN A BOX

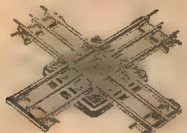
"Made in America" American Flyer "The Train with the Guarantee" Registered U.S. Patent Office

ELECTRIC TRACK—WIDE GAUGE 2¼ IN.

No. C4400—Curved track units, 2¼ gauge. Eight pieces make a circle, length 16¼ in....per dozen sections $5.00

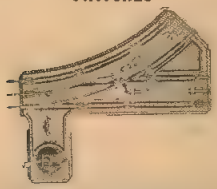
No. C4401—Straight track units, 2¼ gauge, length 14 in., per dozen sections.....$5.00

CROSSOVERS



No. C4409—90 degree crossover .....per dozen $22.75
ALL ABOVE, ONE DOZEN IN A BOX

SWITCHES



No. C4405—Automatic Electric Switch, for wide gauge 2¼ in. electric track Sold in pairs, per dozen pairs $95.00
ONE PAIR IN A BOX

ARC LIGHTS

No. C2109

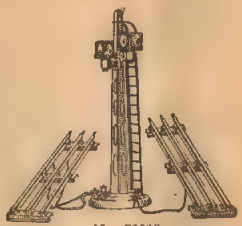
No. C2109—Single Arc Light, height 9⅝ in...per dozen $25.35

No. C2110—Double Arc Light, height 9⅝ in...per dozen $38.00

No. C2110

SIGNAL LIGHTS

No. C2017.



No. C2018

No. C2017—Enameled green and black, red signal light, complete with track and terminal for No. 0 gauge track, height 9⅝ in., w't per doz. 3 lbs.....per dozen $33 75

No. C2018—Automatic Block Signal Lights with two Special Tracks, **for No. 0 gauge track,** height 9⅝ in. ..... per dozen $60.75

No. C4018—Automatic Block Signal Lights, with two special tracks, **for wide gauge 2¼ in. track,** height 9⅝ in., w't per doz. 3 lbs..... .per dozen $65.90

TRACK TERMINALS

No. C450—For 0 gauge track.....per dozen $5.10

No. C4450—For wide gauge 2¼ in. track, per dozen $5.10

No. C4455—Universal Terminal with wires, for either wide gauge 2¼ in. track or 0 gauge track, per dozen $6.75

ELECTRIC LIGHT BULBS

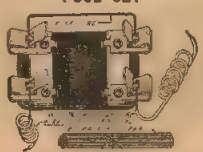
No. C432—8 volt, clear.....per dozen $5.00

No. C433—14 volt, frosted, large size for arc light .....per dozen $7.55

No. C434—14 volt, red, small size for danger signals .....per dozen $5 10

No. C438—14 volt, clear, for locomotive and cars .....per dozen $5.10

FUSE SET



No. C460—Used between transformer and track terminal to prevent overheating or sparking in the event of a short circuit .....per dozen $6.00

Made in America
American Flyer
The Train with the Guarantee
Registered U.S. Patent Office

AUTOMATIC TRAIN CONTROLS

By operating this control train can be started or stopped any place on the track.

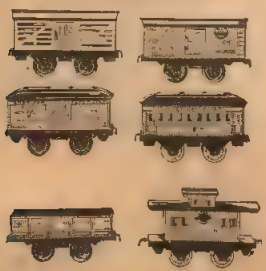
No. C2033—For 0 gauge track, per dozen $95.00

No. C4033—For wide gauge, 2¼ in. track..... per dozen $95.00

OIL TANK CAR

No. C1118—Double Truck for No. 0 gauge track, per dozen $16.90

CAR ASSORTMENTS



No. C1125—Consists of six cars, Nos. 1107, 1108, 1109, 1110, 1111 and 1119 for No 0 gauge track, per assortment $3.10

AUTOMATIC CROSSING GATES

Height 10½ in.

No. C2032 — For 0 gauge track, per dozen $76.00

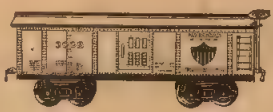
No. C4032—For wide gauge, 2¼ in. track, per dozen $80.20

DOUBLE TRUCK CARS

No. C1117—Caboose, 6½ in., for 0 gauge track, per dozen $12.65

No. C3006—Lock Car, 9½ in., for 0 gauge track, per dozen $25.35

No. C3007—Sand Car, 9½ in., for 0 gauge track, per dozen $25.35



No. C3008—Box Car, 9½ in., for 0 gauge track, per dozen $29.55

AUTOMOBILE WRENCHES

BILLINGS & SPENCER DISPLAYBOARD

Display board 26 inches long, 9 9/16 inches wide. Hooks are premanently fastened and the board is ready for the dealer's immediate use. Set consists of 36 wrenches, 3 each as follows:

Thin Head Check Nut or Tappet, 15° Angle, Double Head Wrenches.

Nos.	Hex Head Cap Screw Size Ins	Size Screw S. A. E. Head and Nut Ins	Milled Openings Ins	Length Ins
1325	1/4 & 1/2	1/4	3/8 & 7/16	4 1/2
1326	1/2 & 9/16	5/16 & 9/16	1/2 & 5/8	4 1/2
1327	1/2 & 5/8	5/16 & 5/8	1/2 & 5/8	4 1/2
1328	5/8 & 3/4	3/8 & 3/4	5/8 & 3/4	5 1/2
1329	1/2 & 1/2	1/2 & 1/2	5/8 & 3/4	5 1/2
1330	1/2 & 5/8	3/8 & 7/16	3/4 & 7/8	7

Automotive, 22½° Angle, Double Head Wrenches.

1557	1/2 & 9/16	1/2 & 9/16	7/16 & 1/2	4 3/4
1558	7/16 & 9/16	7/16 & 9/16	7/16 & 1/2	5 3/4
1562	5/8 & 7/16	5/16 & 7/16	7/16 & 5/8	5 3/4
1570	1/2 & 3/4	7/16 & 11/16	3/4 & 1	8 1/4

Long, Thin Head Tappet, 15° Angle, Double Head Wrenches.

For valve tappets, check nuts and adjusting screws.

Nos.	U. S. S. Nut, Ins	S. A. E. Nut, Ins	Milled Opening, In	Length Ins
1335	1/4	1/4 & 5/16	1/2 & 5/8	6
1336	3/8	5/16	5/8 & 11/16	7

Each

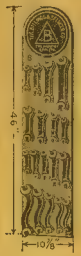
No. A-11B—Black finish..... 32 10 *$24 66*

Board and wrenches in carton; wt complete 18 lbs.

There is an enormous demand for Automobile Wrenches; an assortment as illustrated on this page will attract attention of every car owner.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER DISPLAY BOARD



Set consists of 80 wrenches, 4 each as follows:

	Williams corresponding Number		Williams corresponding Number
No. 1107	(23)	No. 1557	
No. 1109	(726)	No. 1559	(761A)
No. 1111	(726B)	No. 1562	
No. 1112	(25)	No. 1566	(762B)
No. 1117	(728)	No. 1568	
No. 1118	(27)	No. 2000	(675B)
No. 1121	(730)	No. 2007	(677B)
No. 1123X	(29)	No. 2017	(679)
No. 1128	(31)	No. 2025	(681B)
No. 1136		No. 2035	

Size board 46x10⅞ inches.

Each

No. A-8B—Black finish.... 79 20 *$60 40*

Board crated; wrenches packed in wood box; wt 25 lbs.

COMPARATIVE LIST OF AUTOMOBILE WRENCHES

SHOWING COMPARATIVE NUMBERS OF WRENCHES CARRIED IN STOCK

Billings and Spencer	J. H. Williams	Bonney	Billings and Spencer	J. H. Williams
1100A			1355	628
1101	21	21	1356	629
1103	22	22	1357	630
1107	23	23	1358	631
1108	24	24	1401	661A
1109	725		1402	661E
1110	725A		1404	661F
1111	725B		1409	662D
1112	25	25	1411	662F
1114	26	26	1413	662G
1116	727		1417	663E
1117	728		1421	663G
1118	27	27	1433	665E
1119	28	28	1442	666E
1120	729		1454	
1120X	28S		1455	
1121	730		1456	
1123	29	29	1457	
1123X	29		1459	
1125	731		1523	623
1128	31	31	1527	627
1129	32	32	1555	760B
1132	33	33	1557	760Y
1132X	33C		1558	761X
1133	733		1559	761A
1134	34	34	1562	761Z
1136	35	35	1564	761C
1137	36	36	1566	762B
1138	735		1568	
1139	736		1511	763A
1140	37	37	1578	764B
1146	39	39	1581	765B
1325			2000	75B
1326	623D		2001	75A
1327			2007	77B
1328	628S		2013	79A
1329	628D		2017	79
1330	630L		2025	81B
1350	623		2026	81A
1352	625		2033	83D
1354	627		2035	83B

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

ENGINEERS'

15 Degree Angle, Double Head.

Drop forged from bar Steel.

BLACK FINISH

Nos.	A-1100B	A-1101B	A-1102B	A-1103B
Milled openings, in	1/2	9/16	5/8	11/16
U. S. Std Bolt, in	5/16	3/8	7/16	1/2
Hex Head Cap Screw, Size, in	5/16	3/8	7/16	1/2
S. A. E. Std Screw and Nut, in				1/2
Length, ins	3 1/2	4	4 1/2	5
Thickness heads, in	5/16	1/4	5/16	9/32
Wt per doz, lbs	11/4	1 1/2	1 1/2	1 1/2
Per Doz	5 10	5 40	6 60	6 60
List	$3 84	4 08	5 04	5 04

Nos.	A-1104B	A-1105B	A-1107B	A-1108B
Milled openings, in	5/8	3/4	15/16	15/16
U. S. Std Bolts, in	1/2	5/8	3/4	7/8
Hex Head Cap Screw size, in	7/16	1/2	5/8	
S. A. E. Std. Screw and Nut, in	1/2	7/16	9/16	
Length, ins	4 1/2	4 1/2	4 1/2	5
Thickness heads, in	9/32	5/16	3/8	
Wt per doz, lbs	2	2 1/2	2 3/4	2 1/4
Per Doz	6 60	6 60	6 60	7 80
List	$5 04	5 04	5 04	6 00

Nos.	A-1109B	A-1110B	A-1111B	A-1112B
Milled openings, in	1 1/16	1 1/8	1 1/4	1 3/8
U. S. Std Bolt, in	3/4	7/8	1	1 1/8
Hex Head Cap Screw size, in	11/16	13/16	15/16	1
S. A. E. Std Screw and Nut, in	11/16	13/16	15/16	1
Length, ins	5	5	5	5
Thickness heads, in	5/16	5/16	3/8	3/8
Wt per doz, lbs	2 3/4	2 3/4	3	2 1/4
Per Doz	7 80	7 80	7 80	7 80
List	$6 00	6 00	6 00	6 00

Nos.	A-1114B	A-1116B	A-1117B	A-1118B
Milled openings, in	1 5/16	1 7/16	1 1/2	1 5/8
U. S. Std Bolt, in	1 1/16	1 1/8	1 1/4	1 3/8
Hex Head Cap Screw size, in	1	1 1/16	1 1/8	1 1/4
S. A. E. Std Screw and Nut, in	1	1 1/16	1 1/8	1 1/4
Length, ins	6	6	6	6
Thickness heads, in	11/32	11/32	11/32	13/32
Wt per doz, lbs	3	6	3	3
Per Doz	9 75	9 75	11 70	9 75
List	$7 44	7 44	8 88	7 44

Nos.	A-1118B	A-1119B	A-1120B	A-1120BX
Milled openings, in	1 5/16	1 7/16	1 1/2	1 5/8
U. S. Std Bolt, in	1 1/16	1 1/8	1 1/4	1 3/8
Hex Head Cap Screw size, in	1 1/8	1 1/16	1 1/8	1 1/4
S. A. E. Std Screw and Nut, in	1 1/8	1 1/16	1 1/8	1 1/4
Length, ins	6 1/2	6 3/4	6 3/4	6 3/4
Thickness heads, in	7/16	7/16	7/16	7/16
Wt per doz, lbs	6	3 1/2	3 1/2	4 1/2
Per Doz	9 90	11 70	11 70	11 70
List	$7 44	8 88	8 88	8 88

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

ENGINEERS'

15 Degree Angle, Double Head. BLACK FINISH

Nos.	A-1121B	A-1123B	A-1123XB	A-1124B
Milled openings, in	3/4	15/16	15/16	1 1/16
U. S. Std Bolt, in	5/8	3/4	3/4	7/8
Hex Head Cap Screw size, in	9/16	11/16	11/16	13/16
S. A. E. Std Screw and Nut, in	7/16		7/16	5/8
Length, ins	6 3/4	6 3/4	9	8
Thickness heads, in	5/16	5/16	3/8	7/16
Wt per doz, lbs	3 1/4	3 1/4	6 1/4	10
Per Doz	14 10	11 70	11 70	13 95
List	$10 80	8 88	8 88	10 80

Nos.	A-1125B	A-1126B	A-1128B	A-1129B
Milled openings, ins	3/4	3/4	29/32	29/32
U. S. Std Bolt, ins	5/8	5/8	7/8	7/8
Hex Head Cap Screws, size ins	9/16	9/16	5/8	
S. A. E. Std Screw & Nut ins	1/2	1/2	9/16	
Length, ins	8	8	8	9
Thickness heads, ins	7/16	7/16	1/2	1/2
Wt per doz, lbs	7 1/2	7 1/2	10 1/2	10 1/2
Per Doz	13 95	13 95	13 95	17 10
List	$10 80	10 80	10 80	13 20

Nos.	A-1132B	A-1132XB	A-1133B	A-1134B
Milled opening, ins	13/16	13/16	1 1/16	1 3/16
U. S. Std Bolt, ins	3/4		7/8	1
S. A. E Std Screw and Nut, ins	5/8	5/8	3/4	3/4
Length, ins	9	9	9	10
Thickness heads, ins	15/32	15/32	17/32	17/32
Wt per doz, lbs	12	21	12	19
Per Doz	17 10	17 10	17 10	21 30
List	$13 20	13 20	13 20	16 32

Nos.	A-1136B	A-1138B	A-1139B	A-1140B
Milled openings, ins	1 1/16	1 1/8	1 1/4	1 1/4
U. S. Std Bolt, ins	7/8			1 1/8
S. A. E Std. Screw and Nut, ins	3/4	11/16	13/16	7/8
Length, ins	10	11 1/2	11 1/2	11 1/2
Thickness heads, ins	19/32	19/32	19/32	19/32
Wt per doz, lbs	4	21	21	21
Per Doz	21 30	21 30	29 85	29 85
List	$16 32	16 32	23 04	23 04

Nos.	A-1142B	A-1146B
Milled openings, in	1 1/8	1 1/8
U. S. Std Bolt, in	1 1/4	1 1/4
S.A.E.Std Screw and Nut, in	7/8	7/8
Length, ins	12	13 1/2
Thickness, heads, in	15/32	15/32
Wt per doz, lbs	20	24 1/4
Per Doz	42 30	43 80
List	$33 60	33 60

Half doz in cardboard box.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

15 Degree Angle, Double Head.
Drop forged from bar steel.

BLACK FINISH—THIN HEAD, CHECK NUT

Nos.	Per Doz		Milled Openings ins	Fits U. S. Stand Bolts Size, in	Lgth ins	Thickness Heads ins
A-1350B	7	80	$6 00	11/32 & 3/8	4 1/2	5/32
A-1352B	7	80	6 00	3/8 & 7/16	4 3/4	5/32
A-1354B	10	05	7 68	13/32 & 15/32	5 1/16	3/16
A-1358B	12	45	9 60	7/16 & 1/2	5 3/8	3/16
A-1362B	25	65	20 16	31/32 & 1 1/16	10 1/4	1/4
A-1366B	39	90	31 80	1 1/4 & 1 3/16	12 3/4	11/32

Half doz in cardboard box; average wt per doz about 10 lbs.

Nos.	Per Doz		Milled openings in	Hex Head Cap Screw in	S. A. E. Std. nut and Cap Screw Size bolt or screw In	Length ins	Thickness Heads, ins
A-1325B	7	80	$6 00	3/8 & 7/16	1/4	4 1/2	5/32
A-1326B	7	80	6 00	7/16 & 1/2	1, 5/16 & 3/8	4 3/4	5/32
A-1327B	7	80	6 00	1/2 & 9/16	7/16 & 1/2	5 1/16	3/16
A-1328B	10	05	7 68	9/16 & 5/8	9/16 & 5/8	5 3/8	3/16
A-1329B	10	05	7 68	5/8 & 3/4	11/16 & 3/4	5 1/2	3/16
A-1330B	12	45	9 60	3/4 & 7/8	1/2 & 5/8	7	1/4

BLACK FINISH—TAPPET

A-1334B	10	80	$8 40	3/8 & 7/16	------	3/4	-- --
A-1335B	13	20	10 08	1/2 & 9/16	------	1 & 3/4	-- --
A-1336B	15	60	12 00	5/8 & 11/16	------	1 1/4	-- --

Half doz in cardboard box; average wt per doz 5 lbs.

Everybody recognizes Hartford Tire Quality. It is dependable. Now, more than ever before, there is a Hartford Tire to meet every requirement.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

22½ Degree Angle.

BLACK FINISH

Nos.	A-1401B	A-1402B	A-1404B	A-1409B
Milled openings, in	5/16 & 11/32	3/8 & 7/16	3/8 & 7/16	7/16 & 1/2
U. S. S. Bolt size, in	3/8 & 7/16	------	------	------
Hex Head Cap Screw size, in	------	3/8 & 7/16	3/16 & 1/4	1/4 & 5/16
Length, ins	4	4	4	5
Thickness heads, in	7/32	7/32	1/4	5/16
Wt per doz, lbs	2 1/4	2 1/4	2 1/4	2 1/4
Per Doz	6 90	6 90	6 90	9 15
List	$5 28	5 28	5 28	6 96

Nos.	A-1411B	A-1413B	A-1417B	A-1421B
Milled openings, in	3/8 & 7/16	1/2 & 9/16	7/16 & 1/2	5/8 & 11/16
U. S. S. Bolt size, in	------	------	------	------
Hex Head Cap Screw, in	5/16 & 3/8	7/16 & 1/2	3/8 & 1/2	7/16 & 5/16
Length, ins	5	5	6 1/2	6 1/2
Thickness head, in	1/4	1/4	5/16	5/16
Wt per doz, lbs	2 1/2	2 1/2	4 1/2	4 1/2
Per Doz	9 15	9 15	12 30	12 30
List	$6 96	6 96	9 36	9 36

Nos.	A-1433B	A-1442B	A-1454B	A-1455B
Milled opening, in	1/8 & 1	1 1/16 & 1 1/4	5/8 & 1/4	1/8 & 5/16
Hex Head Cap Screw, in	5/8 & 3/4	1/8 & 1	3/16 & 1/4	5/16 & 3/8
Length, ins	9	10 1/2	4	5
Thickness head, in	1/2	9/16	1/4	5/16
Wt per doz, lbs	18	17 1/2	2	4
Per Doz	22 50	31 35	6 90	9 15
List	$17 28	24 00	5 28	6 96

Nos.	A-1456B	A-1457B	A-1459B
Milled openings, in	3/4 & 13/16	1/8 & 1	1 1/16 & 1 1/4
Hex Head Cap Screw, in	1/2 & 5/16	5/8 & 3/4	1
Length, ins	6	7	9
Thickness head, in	3/8	7/16	9/16
Wt per doz, lbs	6	6 1/2	21 3/4
Per Doz	12 30	15 60	22 50
List	$9 36	12 00	17 28

22½ Degree Angle, Double Head, Set Screw.

BLACK FINISH

Nos.	A-1523B	A-1527B
Milled opening for set screw size, in	1/4 & 3/4	1/4 & 3/4
Length, ins	3 1/2	5
Thickness heads, in	7/16	1/2
Wt per doz, lbs	1	2 1/4
Per Doz	6 30	9 15
List	$4 80	6 96

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

22½ Degree Double Head Textile.

BLACK FINISH

Nos.	A-1555B	A-1557B
Milled openings, in	15/32 & 1/2	7/16 & 1/2
U. S. Std Bolt, in	3/16 & 1/4	- -
Hex Head Cap Screw size, in	-------	1/2 & 5/16
Sq. Head Cap Screw size, in	-------	5/16 & 3/8
S.A.E. Std Screw and Nut, in	5/16	1/4 & 5/16
Length, ins	4 3/8	4 3/4
Thickness head, in	1/4	5/8
Wt per doz, lbs	2	3
Per Doz	7 80	7 80
List	$6 00	6 00

Nos.	A-1558B	A-1559B	A-1562B
Milled openings, in	1/2 & 9/16	1/2 & 9/32	9/16 & 5/8
U. S. Std Bolt, in	-------	1/4 & 5/16	- - -
Hex Head Cap Screw size, in	5/16 & 3/8	-------	3/8 & 7/16
Sq. Head Cap Screw size, in	-------	-------	7/16 & 1/2
S.A.E. Std Screw and Nut, in	5/16 & 3/8	5/16	3/8 & 7/16
Length, ins	5 3/4	6 3/4	6 3/4
Thickness head, in	5/16	5/16	5/16
Wt per doz, lbs	3 1/2	4	4
Per Doz	9 75	9 75	9 75
List	$7 44	7 44	7 44

Nos.	A-1564B	A-1566B	A-1568B
Milled openings, in	19/64&11/32	11/32 & 25/64	3/4 & 13/16
U.S. Std Bolt, in	5/16 & 3/8	3/8 & 7/16	7/16 & 1/2
Hex Head Cap Screw size, in	-------	-------	1/2 & 9/16
Sq. Head Cap Screw size, in	-------	-------	-------
S. A. E. Std. Screwand Nut, in	-------	-------	1/2
Length, ins	5 3/4	7	7
Thickness head, in	1/16	11/32	13/32
Wt per doz, lbs	4	6	8
Per Doz	9 75	12 45	12 45
List	$7 44	9 60	9 60

Nos.	A-1571B	A-1578B	A-1581B
Milled openings, in	25/64 & 3/8	21/64&11/16	11/16&17/16
U. S. Std Bolt, in	5/16 & 1/2	5/16 & 5/8	5/8 & 7/8
Hex Head Cap Screw size, in	-------	-------	-------
Sq. Head Cap Screw size, in	-------	-------	-------
S.A.E. Std Screw and Nut, in	5/16	3/4	3/4 & 1
Length, ins	8 1/4	9 1/2	11
Thickness, heads, in	3/8	5/16	1/2
Wt per doz, lbs	8 1/2	12 3/4	18
Per Doz	16 50	22 50	30 00
List	$12 72	17 28	23 04

Half doz in cardboard box.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER, LIGHT SERVICE

15 Degree Angle, Double Head.

BLACK FINISH

Nos.	A-2000B	A-2001B	A-2007B	A-2013B
Milled opening, in	3/16&7/16	3/8&1/2	1/2&9/16	9/16&11/16
Sq. Head Cap Screw, in	1/4&5/16	-------	3 8&7/16	-------
Hex Head Cap Screw, size, in	1/4	5/16&7/16	7/16&3/8	-------
S. A. E. Std Screw and Nut, in	1/4	-------	5/16&3/8	-------
Length, ins	6 1/2	6 1	7 1	8 1/4
Thickness, heads, in	7/32	7/32	1/4	5/16
Wt per doz, lbs	1 1/2	1 1/2	5 1/2	5 1/2
Per Doz	8 55	8 55	10 80	13 50
List	$6 48	6 48	8 16	10 32

Nos.	A-2017B	A-2018B	A-2025B	A-2026B
Milled opening, in	5/8&11/16	5/8&3/4	3/4&7/8	3/4&7/8
Sq. Head Cap Screw, in	1/2&5/16	-------	-------	1/2&5/16
Hex Head Cap Screw, in	-------	7/16&1/2	1/2&5/16	1/2&5/8
S. A. E Std Screw and Nut, in	-------	7/16&1/2	-------	1/2&5/16
Length, ins	8 1/4	8 1/4	1/4	9 1/4
Thickness heads, ins	5/16	5/16	3/8	3/8
Wt per doz, lbs	6 1/2	8	7	9
Per Doz	13 50	13 50	17 10	17 10
List	$10 82	10 82	13 20	13 20

Nos.	A-2033B	A-3035B	A-2036B
Milled opening, in	7/8&1 7/16	1 1/16&1 7/16	1 5/16&1 5/8
Hex Head Cap Screw, in	5/8&3/4	5/8	5/8
S. A. E Std Screw and Nut, in	7/16&9/16	9/16&11/16	7/16&3/4 1/16&3/4
U. S. Std bolt, size Ins	-------	-------	-------
Length, ins	10 3/8	10 3/8	12
Thickness head, ins	7/16	7/16	1/2
Wt per doz, lbs	9 3/4	14	24
Per Doz	21 90	21 90	31 35
List	$16 80	16 80	24 00

Half doz in cardboard box.

BILLINGS & SPENCER

SPECIAL FORD REVERSE WRENCH

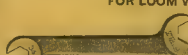
Steel, drop forged. Especially adapted for Ford reverse gear; size openings 5/8&9/16 inches; length 8¾ inches.

Per Doz

No. A-14—Black finish; wt per doz 10 lbs..... 16 50 *$12 72*

Half doz in cardboard box.

FOR LOOM WORKS



Drop forged from bar steel, black finish. This wrench is much in demand by loom repair men in cotton mills.

Each

No. A-34—Milled openings 5/8 and ¾ in; thickness of head 3/8 in; length 7 ins..... 1 26

Half doz in cardboard box; wt each 8 ozs. *$0 90*

AUTOMOBILE WRENCHES

SOCKET WRENCH SETS

Hexagon forged steel handle with ball bearing grips at each end; case hardened, copper oxidized and burnished finish steel sockets. Set consists of 6 sockets, sizes 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4 inch.

No.	A-8
1 to 24 Sets, Per Set	$1 50
25 or more Sets, Per Set	1 35

One set in imitation leather case with snap fasteners; wt 1 1/2 lbs

SOCKET WRENCH SET, NON BETTER

Set consists of 6 sockets heat treated to give a file hard wearing surface and a tough cord. Sizes: 1/2, 9/16, 11/16, 3/4, 5/8 and 7/8 inches and one 1/2 inch hexagon steel handle, heat treated. Heavy gauge pressed steel box, baked-on black enamel finish. The cover is conveniently hinged at one end. Per Set

No. A-35W Wt per set 11 1/4 lbs. **$2 10**

Ten sets in an attractive display carton.

SOCKET WRENCH SET, NON BETTER

High grade steel accurately machined and tempered. Set consists of 6 sockets, sizes 7/16, 1/2, 9/16, 11/16, 5/8 and 7/8 inch, two 1/2 inch hexagon head adapters short and long 2 and 6 inches in length and 1 reversible ratchet handle 6 inches long. Set complete in black enameled steel case with hinged cover. Per Set

No. A-3000—Wt per set 3 lbs. **$3 30**

One set in cardboard box.

SOCKET WRENCH SET, NON BETTER

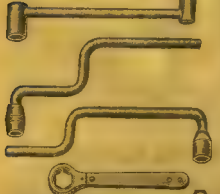
Set consists of 6 sockets of high grade steel, accurately machined and tempered. Sizes 1/2, 9/16, 5/8, 11/16, 3/4 and 7/8 inches. 1/2 inch hexagon steel handle and brace handle for use where speed is desired as on rim nuts.

Conveniently packed in black enameled steel box with hinged cover. Per Set

No. A-30—Wt per set 3 lbs. ..$3 75

Ten sets in a display carton.

SPECIAL SETS—FOR FORD CARS



Cold rolled steel sockets, 1/2 inch Bessemer steel handles, nickel plated. Set consists of 5 wrenches as follow:

1—Double socket wrench 9/16 and 3/4 inch hexagon sockets.

1—Connecting rod wrench with 5/8 inch hexagon socket.

1—Fly wheel cap screw wrench with 1 1/16 inch hexagon socket.

1—Transmission band wrench with 11/16 inch hexagon fitting, brake and reverse transmission band.

1 Triple socket wrench with two 5/8 and 3/4 inch hexagon sockets. Per Set

No. A-150—Wt per set 7 1/2 lbs. **$4 05**

One in cardboard box.

AUTOMOBILE WRENCHES

TAPPET WRENCH SETS

BILLINGS & SPENCER

Drop forged chrome molybdenum alloy steel, tempered, 22 1/2° angle, spear shaped head. Length over all 8 inches. Set consists of 6 wrenches 2 each of Nos. 3002, 3006 and 3008 in canvas roll case, assorted sizes as follows:

Milled openings, ins	7/16-1/2	9/16-5/8	11/16-13/16
U. S. Stand bolt size, ins	1/4-5/16	3/8-7/16	1/2-9/16
Hexagon Head Cap screw, ins	1/4-5/16	3/8-7/16	---
S. A. E. Nuts Bolt size, ins	1/4-5/16	3/8-7/16	---
Thickness head, ins	1/32	1/16	1/16

Per Set

No. A-478—Black rustproof finish **15 00** *$10 20*

One set in canvas roll; wt per set 2 1/2 lbs

HOL-SET

Brace formed from 1/2 inch bar steel with revolving cap. Universal joint and sockets case hardened, cold rolled machine steel, knurled, broached to an extra depth and ends tapered so they can be used in tight places. Steel hook, valve lifter and valve grinder. White nickeled to resist rust.

Set consists of 1 speed brace, 1 "U" handle, 1 universal joint, 7 different size sockets including spark plug socket, 1 valve grinder attachment, and 1 hook and valve lifter attachment; sockets fits 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 and 13/16 in. nuts.

No.	A-44
1 to 5, Per Set	8 43
6 or more, Per Set	7 50
List Price, Per Set	*$3 75*

Six sets in display carton.

MAGNETO SETS

Heavy steel, carefully hardened and nickel plated. Genuine leather case with 10 practical tools for making necessary adjustments on the electrical systems of all motor cars, extra pockets are provided for fuses, wrenches, additional tools or switch keys. Per Set

No. A-718—Size rolled 4x1 in. **3 30**

Packed loose; wt per set 1/4 lb. *$1 50*

NIEHOFF

Imitation leather case with 11 case hardened and 4 other tools essential for general repairing. A practical ignition tool outfit for service work in making adjustments on all magnetos and distributor systems.

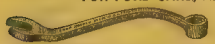
Per Set

No. A-717—Size rolled 4 1/2x2 ins. **5 55** *$2 50*

Packed loose; wt per set 1 lb.

AUTOMOBILE WRENCHES

SPARK PLUG AND SOCKET WRENCH FOR FORD CARS, New Style.



Drop forged, heat treated tool steel, fits spark plugs or 5/8 inch S. A. E. hexagon nut, socket end fits 7/16 inch S. A. E. hexagon nut. Per 100

No. A-T5593—Black finish $63 00

Packed loose; wt per doz 10 lbs.

SEXTO-RENCH

Hardened steel, highly polished and nickel plated over all, 1/16 inch thick. Handy for adjusting magnetos, valve tappets, generator parts, etc., also handy for use around sewing machines, motorcycles and bicycles. The smallest wrench is 2 1/2 inches long and the largest 4 1/2 inches long. Sizes openings, 1/32, 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2 and 9/16 inch; sizes stamped on each wrench.

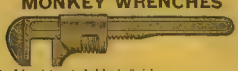
No. **A-60SR**

1 to 14 sets, Each $0 99

15 sets or more, Each 90

One set in cardboard box.

MONKEY WRENCHES



Cast steel heat treated, black finish.

Especially adapted to automobile use. Same as furnished in tool kit No. 109. Per Doz

No. A-119—Length 9 ins; jaws open 2 ins $7 95

Half doz in cardboard box; wt per doz 10 1/2 lbs.

AUTOMOBILE OIL COCK WRENCHES

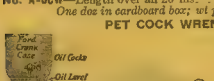
FAWCO

Coppered Bessemer steel rod; black enameled handle with nickel plated grip. Measures the gasoline in the tank and provides the only sure means of learning whether or not there is any oil in the crank case. The pin will prove if the cock is stopped up. Per Doz

No. A-OCW—Length over all 23 ins $10 50

One doz in cardboard box; wt per doz 5 lbs.

PET COCK WRENCH



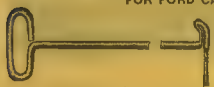
FOR FORD CARS

Cold rolled steel tip; 1/4 inch rod; black japanned finish. Per 100

No. A-2PCW—Length over all 21 ins $28 50

Packed loose; wt per 100 about 50 lbs.

FOR FORD CARS



Open handle, 1/4 inch steel rod, black japanned finish.

Made with prong for cleaning out the oil cock. Per 100

No. A-23—Length 21 ins $24 00

Packed loose; wt per 100, 31 1/4 lbs.

COMBINATION SCREW DRIVERS

Tempered steel blades, with knurled handle; highly polished and nickel plated; small screw driver with threaded shank screws into handle of medium screw driver and is intended for use on eye glasses; medium screw drivers goes into handle of large screw driver and is for use on clocks, guns, magnetos, fishing reels, etc.; large screw driver for general use.

THREE IN ONE

With 1/16, 1/8 and 3/16 inch bits; length over all 3 3/4 inches.

No. **A-10CD**

Less than 1 doz, Per Doz $8 25

1 doz or more, Per Doz 7 95

One doz on display card; wt per doz about 1 1/2 lbs.

FOUR IN ONE

With 1/16, 1/8, 3/16 and 1/32 inch bits; length over all 5 1/2 inches.

No. **A-15CD**

Less than 1 doz, Per Doz $16 50

1 doz or more, Per Doz 15 75

Five-sixth doz in cardboard box; wt per doz about 2 lbs.

COTTER PIN EXTRACTORS

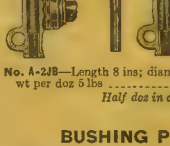
Steel, hammer forged. Will pull any size cotter pin at any angle. Per Doz

No. A-1495—Length over all 6 1/4 ins 8 25 *$4 00*

One doz in cardboard box; wt per doz 5 lbs.

BUSHING REMOVERS

BERKSHERE J. & B.



High grade steel nickel plated; especially designed for removing the bushings from the spindle body of a Ford, Dodge Overland, Chevrolet, Saxonand all cars using a 1/2 inch spindle bolt; can also be used to remove the steering knuckle bushing and the spring perch bushing. Per Doz

No. A-2JB—Length 8 ins; diam 5/8 in; spread to 1 1/16 in; wt per doz 5 lbs $30 00

Half doz in cardboard box.

BUSHING PIN PUNCHES

High grade steel hammer forged, electrically tempered; will drive out steering knuckle bushings, wrist pin bushings or spring hanger bushings. Per Doz

No. A-600—Length over all 9 ins 13 50 *$6 50*

Half doz in cardboard box; wt per doz 6 lbs.

ANVILS

GUARANTEE—Should a Belknap's Wrought Anvil break at the waist or its steel face become loose within one year from date of purchase it will be replaced without charge.

CAUTION—Tempered in a manner to suit the majority of smiths. No claim for defective temper will be allowed. To remedy trouble caused by the unfair advantage taken of the liberal guarantee heretofore made by manufacturers of wrought anvils, they have decided to qualify the guarantee as above, and all anvils are now sold with no guarantee other than as above.

—BELKNAP'S WROUGHT—

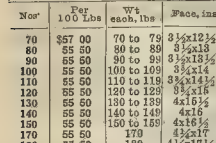
Shoer's.

Made especially for us under our own brand. They are warranted equal to the very best English wrought anvils.

No.	100 Lbs.	Wt. lbs.	Face, ins.	Horn, ins	Hardy, ins.	Pritchel, ins.
1150	$64 50	150	3¾x16½	12	⅞	⅝

Hardy holes indicate size tool hole will take.
Above dimensions are approximate only.
Packed loose.

—BELKNAP'S WROUGHT—



Blacksmiths'.

Made especially for us under our own brand. They are warranted equal to the very best English wrought anvils.

Nos	Per 100 Lbs	Wt each, lbs	Face, ins	Horn, ins	Hardy, ins	Pritchel ins
70	$57 00	70 to 79	3½x12½	7½	⅝	⅝
80	55 50	80 to 89	3½x13	8½	⅝	⅝
90	55 50	90 to 99	4¼x13½	9	⅞	⅝
100	55 50	100 to 109	3¾x14	9	¾	⅝
110	55 50	110 to 119	3¾x14½	9	1	⅝
120	55 50	120 to 129	3¾x16	10	1	⅝
130	55 50	130 to 139	4x16½	10	1⅛	⅝
140	55 50	140 to 149	4x16	10	1⅛	⅝
150	55 50	150 to 159	4x16½	10½	1⅛	⅝
170	55 50	170	4¼x17	10½	1⅛	⅝
180	55 50	180	4¼x17½	11	1⅛	⅝
200	55 50	200	4½x18	11½	1⅛	⅝
225	55 50	225	4½x19	11½	1⅛	⅝
250	55 50	250	6x20	12½	1¼	⅝

Packed loose.

VULCAN

Blacksmith's.

Solid cast iron body and horn. Japanned finish, hardened and tempered steel face welded on flat ground and polished square, hardy hole.

Nos.	Each	Wt lbs	Face ins	Horn, ins	Hardy, ins	Pritchel, ins
51	$17 25	50	8x3½	8	⅝	⅝
61	18 75	60	3½x10½	7¼	⅝	⅝
71	21 00	70	3¾x11	7½	¾	⅝
81	22 50	80	3¼x11	7⅝	¾	⅝
91	25 50	90	3½x12	7⅝	⅞	⅝
101	28 50	100	3½x12¼	7⅝	⅞	⅝
121	34 50	120	3¾x12	7¾	1	⅝

Packed loose.

ANVILS

GEM

	Per 100 Lbs
No. 105—Cast iron, oiled, wt from 100 to 105 lbs; size face 3⅜x11¾ ins; length horn 7 ins; 1 in. hardy hole; ½ in. pritchel hole	$20 25

Packed loose.

SWAGE BLOCKS

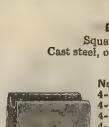
Solid cast iron, rough finish with various shaped serrations on edges and perforations.

	Per 100 Lbs
No. 2—Size 10½ ins square, 4 ins thick; wt each 83 lbs	$21 75
No. 3—Size 14 ins square, 5 ins thick; wt each 170 lbs	21 75

ANVIL TOOLS

TOP SWAGES

Round shoulder, oval eye.
Cast steel, oil finish, hardened polished bits.

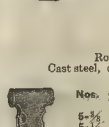


Nos.	Each	For Round Iron, ins	Lgth ins	Wt lbs
3-¼	$2 70	¼	4½	2
3-⅜	2 70	⅜	4½	2
3-½	2 70	½	4½	2
3-⅝	2 70	⅝	4½	2
3-¾	2 85	¾	4½	2¼
3-⅞	3 30	⅞	4½	2¾
3-1	3 30	1	4½	2¾
3-1¼	3 60	1¼	4¾	3
3-1½	4 05	1½	5	4

Packed loose.

BOTTOM SWAGES

Square shoulder and shank.
Cast steel, oil finish, hardened polished bits.



Nos.	Each	For Round Iron, ins	Lgth ins	Wt lbs
4-¼	$2 70	¼	3½	2
4-⅜	2 70	⅜	3½	2
4-½	2 70	½	3½	2
4-⅝	2 70	⅝	3½	2
4-¾	2 85	¾	3½	2¼
4-⅞	3 30	⅞	3½	2¾
4-1	3 30	1	3½	2¾
4-1¼	3 60	1¼	3½	3½
4-1½	4 05	1½	3¾	4

Packed loose.

TOP FULLERS

Round shoulder, oval eye.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	For Iron ins	Lgth ins	Wt lbs
5-⅜	$2 55	⅜	5	2
5-½	2 70	½	5	2¼
5-⅝	2 70	⅝	5	2½
5-¾	3 00	¾	5½	2½
5-⅞	3 00	⅞	5½	3
5-1	3 00	1	5½	3

Packed loose.

Half doz in pkg; wt 2¼ lbs.

FORGES

LANCASTER

Pressed steel wind shield; cast iron hearth; four bent tubular steel legs; encased fan and gearing.

With Shield.

Each

No. 45 — Agricultural Forge. Hearth 22 ins in diam; diam fan case 10 ins; diam fan wings 8¾ ins; height to top of hearth 31½ ins; wt each 123 lbs..... $48 75

One in crate.

LANCASTER

With Half Hood.

Each

No. 46 — Agricultural Forge. Hearth 22 ins in diam; diam fan case 10 ins; diam fan wings 8¾ ins; height to top of hearth 31½ ins; wt each 125 lbs..... $54 00

One in crate.

LANCASTER

With Shield.

Each

No. 42 — Agricultural Forge. Hearth 23x35 ins; diam fan case 12 ins; diam fan wings 9¾ ins; height top of hearth 30 ins, wt each 172 lbs..... $67 50

One in crate.

LANCASTER

With Half Hood.

Each

No. 43—Agricultural Forge. Hearth 23x35 ins; diam fan case 12 ins; diam fan wings 9¾ ins; height to of hearth 30 ins; wt each 181 lbs..... $73 50

One in crate.

FORGES

CHAMPION

Heavy Pattern. With Shield.

Pressed steel hearth and windshield; encased fan and gearing; four bent tubular steel legs.

High speed Champion spiral gearing, adjustable ball-bearings. Welds 3½ to 4 inch iron. Crank turns either direction.

Each

No. 401 Champion Steel Rivet Forge. Hearth 18 ins; height to top of hearth 30 ins; fan 9 ins..... $75 00

One in crate; wt 125 lbs.

CHAMPION

With Half Hood.

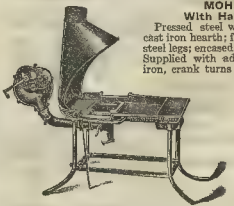
Reinforced stamped steel legs, bowl and windshield.

Ball-bearing throughout. Crank turns either direction.

Each

No. 408—Champion Steel Horse Shoers' Forge. Hearth 30x36 ins; height to top of hearth 30 ins; fan 12 ins..... $141 00

One in crate; wt 293 lbs.



MOHAWK

With Half Hood.

Pressed steel windshield hood; cast iron hearth; four bent tubular steel legs; encased fan and gearing. Supplied with adjustable tuyere iron, crank turns either direction.

Blacksmith's Direct Drive Forge. Hearth 32x45 ins.; fan case 12 inches in diameter, fan wings 9¾ inches in diameter, height to top of hearth 30 ins.

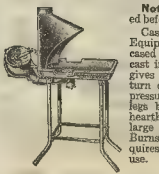
Each

No. 271..... $90 00

One in crate; wt each 320 lbs.

CHAMPION

With Half Hood.



Note—Hearth should be well clayed before using.

Cast iron hearth; sheet steel hood. Equipped with helical cut gears encased in oil tight, dust-proof, rigid cast iron gear case. The gear ratio gives 48 revolutions of fan to one turn of crank, giving a strong high pressure blast; bent tubular steel legs braced and securely bolted to hearth. Designed for general use and large enough for plow share work. Burns coal, coke or charcoal. Requires 6½ inch stove pipe for indoor use.

Each

No. 243—Hearth 20x36 ins; height 30 ins; diam fan case 9 ins; diam fan wings 8 ins..... $45 00

Crated; shipping wt each 108 lbs.

FORGES

CHAMPION

Cast iron hearth, pressed sheet steel windshield and hood; bent tubular steel legs; encased fan.

The gear ratio gives 48 revolutions of blast wheel to one turn of crank, which turns either direction. Oil-tight, dust-proof gear case.

With Shield.

Each

No. 145—Diam hearth 18i ns; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins. **$30 75**

Crated; wt each 71 lbs.

Cast iron hearth, pressed sheet steel windshield and hood; bent tubular steel legs, encased fan. The gear ratio gives 48 revolutions of blast to one turn of crank which turns either direction.

With Half Hood.

Each

No. 146—Diam hearth 18 ins; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins..... **$34 50**

Crated; wt each 72 lbs.

With Shield.

Each

No. 147—Hearth 22 ins; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins..... **$35 25**

Crated; wt each 84 lbs.

With Half Hood.

Each

No. 148—Hearth 22 ins; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins..... **$39 00**

Crated; wt each 82 lbs.

With Shield.

Each

No. 142—Hearth 23x30 ins; height 30 ins; diam fan case 10 ins; diam fan wings 8¼ ins **$55 50**

Crated; wt each 133 lbs.

FORGES

CHAMPION

Pressed steel hearth. Cut helical gears running smooth and noiseless in a dust-proof, oil tight gear case; bent tubular steel legs braced and securely bolted to hearth with a heavy steel leg socket. Designed for light and medium work on farms and in garages. Fan revolves 48 times to one turn of crank. Burns coal, coke or charcoal.

Note—Hearth should be well clayed before using.

With Shield.

Each

No. 145S—Diameter hearth 18 ins; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins; ratio 48 to 1 **$20 70**

Crated; shipping wt each 53 lbs.

CHAMPION

With Half Hood.

Note—Hearth should be well clayed before using.

Each

No. 146S—Diameter hearth 18 ins; height 30 ins; diam fan case 8 ins; diam fan wings 6 ins; ratio 48 to 1 **$24 00**

Crated; shipping wt each 52 lbs.

BLOWERS

CHAMPION

Ball-Bearing.

Adjustable fan casing; counter balanced fan crank. Phosphor bronze and tool steel. Adjustable tool steel ball-bearings. Lathe turned cups and cones. Highspeed spiral gearing.

Each

No. 400—Height over all 46 ins; 12 in. fan case; diam fan wings 9½ ins; complete with heavy nest whirlwind tuyere iron and piping **$78 00**

No. 400LT—Same as No. 400, except less tuyere **72 00**

One in crate; wt 156 lbs.

MIDWAY

Cast iron base and standard. Adjustable fan casing, counter balanced fan crank; height over all 46½ inches; diameter base plate 17 inches.

Spiral gearing without small gears or pinions. Dust proof gear casing. Crank turns in either direction. Complete with a center blast and 50 pound nest ball tuyere iron

Each

No. 70—12 in. fan case; daim fan wings 9½ ins; supplied with 50 lb center blast, heavy nest ball tuyere iron and..... **$70 50**

One in crate; wt 142 lbs.

BLOWERS

"HOT BLAST"

Benttubular steel legs, cast iron gear case, painted green.

Direct drive, cut gears are enclosed in a dust-proof, self-oiling case. Crank turns either direction. Case hardened end thrust ball-bearing, high speed spindle.

Each

No. 60—Height over all 46 ins; diam of fan case 12 ins; diam fan wings 9¾ ins; complete with tuyere iron and pipe $48 75

No. 60LT Same as No. 60, except less tuyere 45 75

One in crate; wt each 93 lbs.

—MOHAWK—

Cast iron base and standard, adjustable fan casing; counter balanced fan crank; height over all 46 inches; diameter base 17 inches. Champion adjustable nozzle tuyere iron.

Case hardened end thrust ball bearing; high speed spindle. Each

No. 40—12 in fan case; diam fan wings 9¾ ins; with tuyere iron and piping complete $48 75

No. 40LT—Same as No. 40, except less tuyere 45 75

One in crate; wt 125 lbs.

"HOT BLAST"

High speed helical gears give 48 revolutions of blast wheel to one of crank. The gear is enclosed in a dust proof, oil tight gear case. Crank turns either direction.

Each

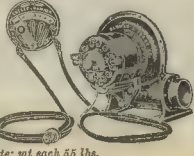
No. 340—Diam fan case 10 ins; diam fan wings 8⅝ ins; mounted on three steel legs, with tuyere iron and pipe complete $33 00

No. 340LT—Same as No. 340, except less tuyere 31 50

Crated; wt each 67 lbs.

CHAMPION, ELECTRIC

Blower furnished with Universal motor, wound for both alternating and direct current, either 110 or 220 volts, with detached rheostat; six speeds. Universal motor built with a hammered steel shaft, phosphor bronze bearings, self-aligning commutator of hard drawn copper with twenty four bars and large flat brushes and silk covered wire. All motors designed and built with sufficient units of power guaranteed to run blower at highest speed and highest pressure open and away from the fire for eight to ten hours without a stop.



For both direct and alternating current, with detached rheostat for six speeds, and steel pressure case. Height over all, 12 inches; floor space occupied; 12x13 inches; diameter of outlet 3 inches. Each

No. 50-110—110 volts, ⅛ H. P. $111 00

No. 50-220—220 volts, ⅛ H. P. 111 00

One in crate; wt each 55 lbs.

BELLOWS

STANDARD

Cross cleated hardwood outside boards, japanned sheet steel cap and funnel, five leaf pattern with rawhide split leather sides or folds; trimmed with ⅝ inch wood mountings; steel side pivots and japanned rear hook; painted red.

Nos.	30	32	34	36
Width, ins	30	32	34	36
Length, ins	49	46	50	55
Closed, ins	4½	4½	4½	4½
Wt each, lbs	55	63	69	80
Each	39 00	42 00	48 00	54 00
	$13 00	*14 00*	*16 00*	*18 00*

Packed loose.

MOULDERS' BELLOWS

Single fold, hardwood outside boards, rough leather sides or folds; handle extension and leather loop for fastening; faced with leather strips and studded with tacks.

Nos.	8	10	12
Width, ins	8	10	12
Length, ins	11	15	17
Width closed, ins	1⅝	1¾	2
Wt per doz, lbs	30	40	50
Per Doz	52 50	66 00	87 00
	$16 00	*20 00*	*26 00*

Packed loose.

TUYERE IRONS

Cast iron, natural finish, bolted together.

DUCK NESTS

Per Doz

No. 5D—Single; round head, diam 7¼ ins; diam of hole 3½ ins; length over all 11 ins $33 75

Packed loose; wt each 12 lbs.

DUCK NESTS

Per Doz

No. 6D—Single; round head, diam 7¼ ins; diam hole 3½ ins; length over all 13½ ins $39 00

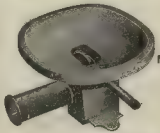
Packed loose; wt each 16 lbs.

DUCK NESTS

Per Doz

No. 7D—Double; round head, diam 7½ ins; diam hole 3½ ins; length over all 14 ins $46 50

Packed loose; wt each 18 lbs.



SUTTON'S BOWL

Each

No. 60—Best Dunbar pig metal, dipped in asphaltum, cast in one piece, bowl 11½x14 ins $16 50

Packed loose; wt each 45 lbs.

NORTON'S

Cast iron, natural finish, bolted together.

Ball Valve, either right or left.

Each

No. 13—Round top; diam 6 ins; 3¼ in. hole; length of neck 6 ins; length of rods 26 ins $7 20

Packed loose; wt each 20 lbs.

TUYERE IRONS

CHAMPION "WHIRLWIND"
Anti-Clinker.

Heavy cast iron, japanned finish. Concentrates the blast and heat in the tuyere nest, making hotter fire.

This is the same Tuyere Iron as furnished with No. 400 Champion Blower. Each

No. 400—Depth 5 ins; width 8¾ ins; length 10½ ins; over all 12¾x14¾ ins. $26 25

Packed loose; wt each 54 lbs.

CHAMPION
Patent Adjustable Nozzle.

Cast iron, painted red. This is the same Tuyere Iron as furnished with Nos. 40 and 60 Blowers. Each

No. PA—Diam head 8 ins; 3 in. hole; length of neck 8 ins; length over all 11½ ins. $11 25

Packed loose; wt each 17 lbs.

CHAMPION

Will cut ¾ inch round and 3x ⅜ inch flat steel. Each

No. 1C—Length 24 ins; height 10 ins. $72 00

Crated; wt each 150 lbs.

TIRE SHRINKERS

AMERICAN

Hammered tool steel jaws, hardened machine cut teeth. The jaws are worked by a mechanical lever and are thrown in and out instantly by a movement of the hand, which makes a shrinker that can be handled by one man. The tire is gripped on its flat sides, both top and bottom, and the tire is held with a perfect grip until it is shrunk. Will shrink with one stroke of lever 1¼ inches. Each

No. 4—Will shrink up to 4x1 in. round or square edge tire, and 1¼ in. axles, has two steel jaws 4x2 ins wide, lgth base 28 ins; wth. 16 ins; wt each 342 lbs. $118 50

Shipped knocked down.

MOLES
With Anti-Kink Attachment.

Painted cast iron frame and bed; cast jaws; plain hardwood handle. The pin holes in the link connecting the jaws are so placed that the pin may be moved into different holes for different thickness of tire.

Nos.	12MK	13MK
For tires up to, ins	1½x3	¾x4
Length of base, ins	42	48
Width of base, ins	24	24
Wt each, lbs	230	285
Each	$54 00	66 00

Packed loose.

TIRE SHRINKERS

MOLES
Without Anti-Kink Attachment.

Painted cast iron frame and bed; cast jaws; plain hardwood handle. The pin holes in the link connecting the jaws are so placed that pin may be moved into different holes for different thickness of tire. No. 1 for slight work, No. 2 for medium work, No. 3 for heavy work.

Nos.	1M	2M	3M
For tire, ins	½x2	½x3	¾x4
Length base, ins	38	42	43
Width base, ins	23	24	24
Wt each, lbs	139	212	290
Each	$35 25	51 75	63 00

Packed loose.

WESTERN

Japanned cast iron frame and gear wheels, wrought iron crank, turned steel rollers and axles; will bend 3¼ inch tires or smaller to a circle 30 inch in diameter or larger. Each

No. 2—Geared; length of base 25½ ins; width 6¼ ins; height 12 ins $36 00

Packed loose; wt each 85 lbs.

TIRE BENDERS

WESTERN

Japanned cast iron frame and gear wheels, wrought iron crank, turned steel rollers and axles; will bend 5 inch tire or smaller to a circle 24 inches diameter or larger. Crank may be used on either side of machine. Each

No. 3—Double geared; length of base 24 ins; width 8½ ins; height 16½ ins. $54 75

Packed loose; wt each 157 lbs.

TIRE MEASURING WHEELS

Forged steel wheel, natural finish, polished steel index hand, japanned malleable iron handle and fork; raised figures and lines. Each

No. 24—Wheel 24 ins in circumference, graduated in ins and eighths. $6 00

One in box; wt per doz about 15 lbs.

SPOKE TENONING MACHINES
PEACE'S IMPROVED

Japanned cast iron frame, chuck, crank and clamp; polished steel spindle, shank and cutter face; tempered tool steel blade. Cuts tenons from ⅛ to 1¼ ins, any length to 3¼ ins; length over all 20 ins. Each

No. 51—With felloe boring attachment and adjustable hollow auger $55 50

One in wood box; wt each about 17 lbs.

D 1

BENCH DRILLS

YANKEE

Cast iron frame, black finish; steel chuck, nickel plated and polished; machine cut gears and bearings; steel table post, feed screw and axle; automatic and friction feeds; adjustable table. Slide at lower end of column carries an adjustable bracket for table. Table can be adjusted vertically by hand wheel and screw, independently of bracket. Furnished with wrench for nut holding table bracket.

Single Speed. Each

No. 1003—For round shank drills up to ¼ in. in diam; diam of shank 1 in; diam of table 4¾ ins; adjustment of table 1¾ ins; diam of hand wheel 3 ins; height over all 18¾ ins.....$34 50

One in wood box; wt each 20 lbs.

Double Speed. Each

No. 1005—For round shank drills up to ½ in. in diam; diam of shank 1 1/16 ins; diam of table 6¾ ins; adjustment of table 1¾ ins; diam of hand wheel 4½ ins; height over all 28 ins.....$57 00

One in wood box; wt each 51 lbs.

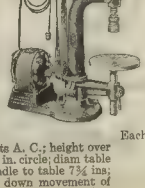
CHAMPION
Automatic Feed.

Feeds four speeds for work from smallest up to ⅜ inch iron or steel. Fly wheel makes two revolutions to each turn of crank. Handle adjustable for length. Ball-bearing spindle end thrust eliminates friction; slotted lathe turned table. Greatest distance from spindle to base 11¼ inches.

Each

No. 104—Height over all 32 ins; swings to center of 12 in. circle; diam back column 1 1/16 ins; diam spindle ⅝ in.; takes ½ in. shank drill bits.....$30 00

Crated; ship wt each 72 lbs.



CHAMPION, ELECTRIC

Cast iron frame, black finish; three jaw steel chuck, nickel plated and polished.

Equipped with ¼ H. P. motor at 1750 R. P. M. driving a two step cone pulley, giving two speeds of the spindle and is of ample size to drill holes up to the full capacity of drill.

Complete with attachment cord and belt.

Each

No. 50E-110—Operates on 110 volts A. C.; height over all 26 ins; drills to center of 10½ in. circle; diam table 8 ins; greatest distance from spindle to table 7¾ ins; adjustable spindle stop; up and down movement of spindle 2½ ins; up and down movement of table 5 ins; drilling capacity ⅜ in.....$135 00

Crated; ship wt each 140 lbs.

POWER BENCH DRILLS

CHAMPION

Driven exclusively by belt and with the aid of cone pulleys two separate and distinct speeds can be furnished.

The countershaft is furnished with a belt shifter on the tight and loose pulley and the feed lever can be returned without affecting position of bit by an automatic device in the feed lever hub.

Double flange top cone; table swings 180 degrees horizontally; end thrust ball-bearing; adjustable spindle stop; greatest distance from spindle to table 7½ inches; up and down movement of the spindle 2½ inches; up and down of the table 7 inches.

Each

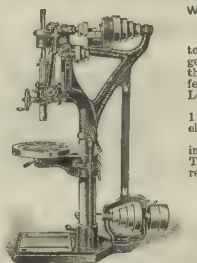
No. 50—Diam of table 8 ins; drills to center of 10 in. circle; drilling capacity ⅜ in; in steel, fitted with champion 3 jaw chuck taking straight shank bits up to ½ inch; size of tight and loose pulleys 4x1½ ins; speed of driving pulley 650 R P M; extreme height 27½ ins.....$73 50

One in crate; shipping wt each 72 lbs.

POWER FLOOR DRILLS

CHAMPION BACK-GEARED

With Iron Standard and Base.



Drills accurately holes up to 1¼ ins. Machine cut gears. Eight speeds with three distinct and complete feeds—Power, Wheel and Lever-Feed.

Power required to operate 1 H. P. gasoline engine or electric motor.

Speed 300 R. P. M.; hole in spindle bored to fit Morse Taper No. 4. Floor space required, 16x44 inches.

Each

No. 21—Drills to center of circle, 21 ins; height, 77 ins; distance between table and spindle, 27 ins; distance between spindle and base, 45 ins; distance from column to center spindle, 10¾ ins; diam columns, 6½ ins; diam table, 16 ins; diam spindle, 1 1/16 ins; size, tight and loose pulleys, 8x2¾ ins.....$525 00

Crated; wt each 915 lbs.

The Blue Grass Trade Mark on a Tool means much to Dealer and user, because it indicates a quality article made and finished as good as is possible to produce. There are no better Tools than Blue Grass.

TAPE LINES

LUFKIN, UNIVERSAL

Mechanic's. Corded linen tape. Water-proof coated tape, cases brass bound and sides enameled in maroon; brass rings and trimmings; brass folding winding handle; width of tape ⅓ inch; marked in feet, inches, ½ and ¼ inches, on one side only.

Nos.	730	733	736
Length, ft	25	50	100
Diam of case, ins	3	3½	4¾
Wt per doz, lbs	3	4½	7
Per Doz	$16 50	26 25	42 00

Half doz in cardboard box.

LUFKIN, UNIVERSAL
Ass Skin Case.

Mechanics'. Cotton tape. Water-proof coated tape cases; brass bound and sides cream enameled; brass rings and trimmings; brass folding winding handle; width of tape ½ inch. Graduated in feet, inches, and half inches, on one side only.

Nos.	710	713	714	715	716
Length, ft	25	50	66	75	100
Diam of case, ins	3	3½	4	4¾	4¾
Wt per doz, lbs	3	4½	5½	6	7
Per Doz	$13 50	18 30	21 75	27 00	33 00

Half doz in cardboard box.

LUFKIN, POCKET

Nickel plated brass cases, round edge, spring wind, center stop; tapes ¼ inch wide.

Steel.

Marked in inches and 16ths, on one side only.

Nos.	143	145	146
Length, ft	3	5	6
Diam of case, ins	1¼	1¾	1¾
Wt per doz, lbs	1	1¼	1¼
Per Doz	$20 25	25 50	26 25

Half doz in cardboard box.

Enameled Linen.

Marked in inches and 8ths, on one side only.

Nos.	173	175	176
Length, ft	3	5	6
Diam of case, ins	1½	1¾	1¾
Per Doz	$15 00	17 25	20 25

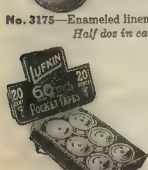
Half doz in cardboard box.

Nickel plated brass case, square edge, spring wind and center stop; width of tape ¼ in.; marked in inches and 8ths, on one side only. Diameter of case 1¾ ins.

Per Doz

No. 3175—Enameled linen; length 5ft $11 25

Half doz in cardboard box; wt each ¼ lb.



LUFKIN, POCKET

Nickel plated brass case, square edge, spring wind and center stop; width of tape ¼ in.; marked in ins. and 8ths, on one side only; diameter of cases 1¾ inches.

Per Doz

No. 165—**Cotton**; lgth 5 ft.. $4 50

One doz in cardboard box; wt per doz 1 lb.

TAPE LINES
LUFKIN, MARVEL

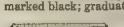
Steel Tape—Nickel plated brass cases, spring wind, center stop; width of tape ¼ in; diameter case 1¾ in.; marked in inches, half, quarter, 8ths and 16ths. Per Doz

No. 3143—Marvel; length 3 ft.. $12 75

One doz in display box; wt per doz about 3⅛ lb.

BOXWOOD RULES

Selected boxwood, polished brass trimmings; lines and figures marked black; graduations on both sides.



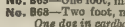
Round Joint.

Four fold, graduated in 8ths and 16ths of inch.

Per Doz

No. B69—**One foot**, middle plates, ⅝ in wide..... $5 25
No. B68—**Two foot**, middle plates, 1 in wide..... 5 25

One doz in cardboard box; average wt per doz 2 lbs.

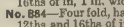


Square Joint, Two Foot.

Per Doz

No. B61—Four fold, middle plate, graduated in 8ths and 16ths of in, 1 in. wide..... $ 8 40
No. B84—Four fold, half bound, graduated in 8ths, 10ths, 12ths and 16ths of in, drafting scales, 1 in. wide..... 17 40
No. B62—Four fold, full bound, graduated in 8ths and 16ths of in, drafting scales, 1 in. wide..... 21 30
No. B72½—Four fold, full bound, graduated in 8ths, 10ths and 16ths of in, drafting scales, 1¾ in. wide.. 27 00

Half doz in cardboard box; average wt per doz 2¼ lbs.

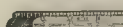


Arch Joint, 1 Inch Wide.

Per Doz

No. B51—Two foot, four fold, middle plate, graduated in 8ths, 10ths, 12ths and 16ths of in, drafting scales..$10 50
No. B54—Two foot, four fold, full bound, graduated in 8ths, 10ths, 12ths and 16ths of in, drafting scales.... 25 80
No. B66½—Three foot, four fold, middle plates, graduated in 8ths and 16ths of in..... 16 85

Half doz in cardboard box; average wt per doz 2 lbs.

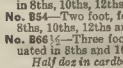


Arch Joint, Two Foot, 1 Inch Wide.

Per Doz

No. B53½—Four fold, edge plates, graduated in 8ths, 10ths 12ths and 16ths of in., inside bevel edges; architect drafting scales..... $21 75

Half doz in cardboard box; wt per doz 1½ lbs.

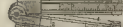


Selected boxwood, polished brass trimmings, lines and figures marked black, graduations on both sides.

Caliper. Per Doz

No. B36—Six inch, square joint, one fold, graduated in 8ths, 10ths, 12ths and 16ths of inch, ⅞ in wide... .$14 40
No. B36½—One foot, square joint, two fold, graduated in 8ths, 10ths, 12ths and 16ths of in, 1 in wide .. 20 40
No. B32—One foot, arch joint, four fold, edge plates, graduated in 8ths, 10ths, 12ths and 16ths of in, 1 in wide..... 22 05

Half doz in cardboard box; average wt per doz 1 lb.



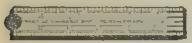
STANLEY
Round Joint, One Foot, ⅝ Inch Wide.

Per Doz

No. 69—Four fold, middle plates, graduated in 8ths and 16ths of in..... $5 70

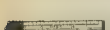
One doz in cardboard box; wt per doz ¾ lb.

BOXWOOD RULES

Selected boxwood; polished brass trimmings; lines and figures marked black, graduations on both sides.

STANLEY
Round Joint, Two Foot, 1 Inch Wide.

Per Doz

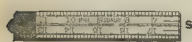
No. 68—Four fold, middle plates, graduated in 8ths and 16ths of in $5 73
One doz in cardboard box; wt per doz 1½ lbs.



STANLEY
Square Joint, One Foot, ⅝ Inch Wide.

Per Doz

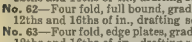
No. 65—Four fold, middle plates, graduated in 8ths and 16ths of in $6 45
Half doz in cardboard box; average wt per doz 7½ lbs.



STANLEY
Square Joint, Two Foot, 1 Inch Wide.

Per Doz

No. 61—Four fold, middle plates, graduated in 8ths and 16ths of in $8 70
No. 84—Four fold, half bound, graduated in 8ths, 10ths, 12ths and 16ths of in., drafting scales 18 90
No. 62—Four fold, full bound, graduated in 8ths, 10ths, 12ths and 16ths of in., drafting scales 23 25
No. 63—Four fold, edge plates, graduated in 8ths, 10ths, 12ths and 16ths of in., drafting scales 10 40
Half doz in cardboard box; average wt per doz 1⅞ lbs.

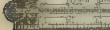


STANLEY
Square Joint, Two Foot, 1⅜ Inch Wide.

Per Doz

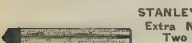
No. 72½—Four fold, full bound, graduated in 8ths, 10ths and 16ths, drafting scales $29 25
Half doz in cardboard box; wt per doz 8 lbs.

STANLEY
Extra Narrow, Square Joint, Two Foot, ¾ Inch Wide.



Per Doz

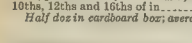
No. 63½—Four fold, edge plates, graduated in 8ths, 10ths and 16ths of in $12 00
No. 62½—Four fold, full bound, graduated in 8ths, 10ths, 12ths and 16ths of in 23 25
Half doz in cardboard box; average wt per doz 1¾ lbs.



STANLEY
Arch Joint, Two Foot, 1 Inch Wide.

Per Doz

No. 51—Four fold, middle plates, graduated in 8ths, 10ths, 12ths, and 16ths of in., drafting scales $11 25
No. 53—Four fold, edge plates, graduated in 8ths, 10ths, 12ths and 16ths of in., drafting scales 14 40
No. 54—Four fold, full bound, graduated in 8ths, 10ths, 12ths and 16ths of in., drafting scales 28 20
Half doz in box; average wt per doz 8 lbs.



STANLEY
Architect, Arch Joint, Two Foot, 1 Inch Wide.

Per Doz

No. 53½—Four fold, edge plates, graduated in 8ths, 10ths, 12ths and 16ths of inch, inside beveled edge and drafting scales $23 25
Half doz in box; wt per doz 1½ lbs.

BOXWOOD RULES

Selected boxwood; polished brass trimmings; lines and figures marked black, graduations on both sides.

STANLEY
Arch Joint, Two Foot, 1⅝ Inch Wide.

Per Doz

No. 75—Four fold, edge plates, graduated in 8ths, 10ths, and 16ths of inch, drafting scales $19 50
Half doz in box; wt per doz 2 lbs.

STANLEY
Arch Joint, Three Foot, 1 Inch Wide.

Four fold, graduated in 8ths and 16ths of inch. Per Doz

No. 66¼—Edge plates $21 60
No. 66½—Middle plates 18 00
No. 66¾—Full bound 46 50
Half doz in box; average wt per doz 2¾ lbs.

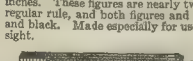
STANLEY
Carriage Makers, Arch Joint, Four Foot, 1½ Inch Wide.

Per Doz

No. 94—Four fold, full bound, graduated in 8ths and 16ths of inch $84 00
Half doz in box; wt per doz 6½ lbs.

STANLEY, Blind Man's Rules.

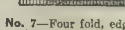
So called on account of the large figures designating the inches. These figures are nearly twice as large as those on the regular rule, and both figures and graduations are extra wide and black. Made especially for use by persons with poor eyesight.



Square Joint, Two Foot, 1⅜ Inch Square.

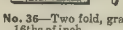
Per Doz

No. 7—Four fold, edge plates, graduated in 8ths and 16ths of in, figures are ⅛ in high $25 20
Half doz in box; wt per doz 2 lbs.



STANLEY
Caliper—Square Joint, Six Inch, ⅞ Inch Wide. Per Doz

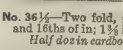
No. 36—Two fold, graduated in 8ths, 10ths, 12ths and 16ths of inch $15 00
Half doz in box; wt per doz 1 lb.



STANLEY
Caliper—Square Joint, One Foot. Per Doz

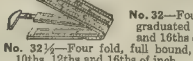
No. 36½—Two fold, graduated in 8ths, 10ths, 12ths and 16ths of in; 1⅜ in wide $22 20
Half doz in cardboard box; average wt per doz 1¾ lbs.

STANLEY
Arch Joint, One Foot, 1 Inch Wide.



Per Doz

No. 32—Four fold, edge plates, graduated in 8ths, 10ths, 12ths and 16ths of inch $23 25
No. 32½—Four fold, full bound, graduated in 8ths, 10ths, 12ths and 16ths of inch 33 75
Half doz in box; average wt per doz 1¼ lbs.

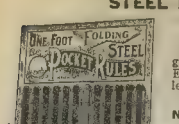


STANLEY
Caliper—Arch Joint, Two Foot, 1⅜ Inch Wide.

Per Doz

No. 83C—Four fold, edge plates, graduated in 8ths, 10ths and 16ths of inch caliper slide graduated in 32nds $40 50
Half doz in cardboard box; wt per doz 3 lbs.

STEEL RULES



Flexible Pocket Rules.

Spring tempered steel 28 gauge; one foot three fold. Each rule in a metal-bound leather case.

Per Doz

No. 041—Graduated in ins. and 16ths of in... $5 25

One doz on display card; wt per doz about ¾ lb.

BLACKSMITHS' RULES

Two foot, two fold, spring brass polished; stiff spring at joint.

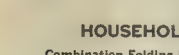
Per Doz

No. 17—Graduated in 8ths and 16ths of inch, ¾ in. wide.$25 20

Half doz in cardboard box; wt per doz 2¾ lbs.

HOUSEHOLD RULES

Combination Folding Rule and Yardstick.



Three foot, three fold; hard maple with stiff spring joints.

Per Pkg of 10

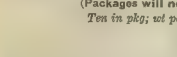
No. 11—Graduated in inches and 8ths on one side and fractions of a yard on other side..... $2 25

(Packages will not be broken.)

Ten in pkg; wt per pkg 1¼ lbs.

ZIG-ZAG RULES

—BLUE GRASS—OUTSIDE MARKINGS



Concealed Joint.

Flexible hardwood. Stiff spring in joints holds rule rigid when open even in longest lengths; ⅝ inch wide; 6 inch folds; joints and tips made of brass plated steel; outside markings.

The numerals 1, 2, 3 etc., begin on the outside of rule when folded.

Yellow Enamel.

Nos.	473	474	475	476
Length, ft	3	4	5	6
Wt per doz, lbs	1¾	2¼	2½	3¼
Per Doz	$5 40	6 30	8 70	9 75

White Enamel.

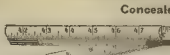
Nos.	573	574	575	576
Length, ft	3	4	5	6
Wt per doz, lbs	1¾	2¼	2½	3¼
Per Doz	$5 70	7 50	9 45	10 50

3 and 4 foot one doz, 5 and 6 foot half doz in cardboard box.

ZIG-ZAG RULES

—BLUE GRASS—INSIDE MARKINGS

Concealed Joints.



Flexible hardwood; stiff spring in joint holds rule rigid when open even in longest lengths; ⅝ inch wide; 6 inch folds; joints and tips made of brass plated steel; inside markings. The numerals 1, 2, 3, etc., on this rule begin on the inside allowing the rule to lie flat when opened.

Yellow Enamel.

Nos.	473F	474F	475F	476F
Length, ft	3	4	5	6
Wt per doz, lbs	1¾	2¼	2½	3¼
Per Doz	$4 80	6 30	8 70	9 75

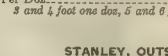
White Enamel.

Nos.	573F	574F	575F	576F
Length, ft	3	4	5	6
Wt per doz, lbs	1¾	2¼	2½	3¼
Per Doz	$5 70	7 50	9 45	10 50

3 and 4 foot one doz, 5 and 6 foot half doz in cardboard box.

STANLEY, OUTSIDE MARKINGS

Concealed Joints.



Flexible hardwood; stiff spring at joints, which holds the rule rigid when open, even in the longest lengths. Graduated in inches and 16ths.

Black figures and lines; brass plated joints, tips and strike plates; patent invisible brass rivet. ⅝ inch wide, 6 inch folds; outside markings.

Yellow Enamel.

Nos.	03	04	05	06	08
Length, ft	3	4	5	6	8
Wt per doz, lbs	1¾	2	2¾	3¼	3½
Per Doz	$9 00	12 00	14 70	17 70	23 55

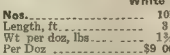
White Enamel.

Nos.	103	104	105	106	108
Length, ft	3	4	5	6	8
Wt per doz, lbs	1¾	2	2¾	3¼	3¾
Per Doz	$9 00	12 60	15 75	18 75	25 20

Half doz in cardboard box.

STANLEY, OUTSIDE MARKINGS

Rivet Joints.



Made of flexible hardwood, stiff spring in joints. Joints riveted. Graduated in 16ths ins.

Brass plated joints, tips and strike plates; patented direction arrows. Rule ⅝ inch wide, 6 inch fold; outside markings.

Yellow Enamel.

Nos.	403	404	405	406	408
Length, ft	3	4	5	6	8
Wt per doz, lbs	1½	2	2¾	4	6
Per Doz	$8 25	10 80	13 50	16 50	21 75

White Enamel.

Nos.	503	504	505	506
Length, ft	3	4	5	6
Wt per doz, lbs	1½	2	2¾	4
Per Doz	$9 00	12 00	14 70	17 70

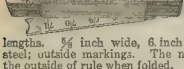
Half doz in cardboard box.

D 1

ZIG-ZAG RULES

VICTOR, OUTSIDE MARKINGS

Rivet Joints.



Flexible hardwood; stiff spring in joint. Joints riveted. Rule rigid when open even in longest lengths. ⅝ inch wide, 6 inch folds; joints and tips blued steel; outside markings. The numbers 1, 2, 3, etc., begin on the outside of rule when folded.

Yellow Enamel.

Nos.	804	805	806
Length, ft	4	5	6
Wt doz, lbs	1¾	2¼	2¾
Per Doz	$8 25	9 75	11 25

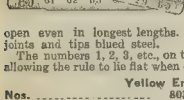
White Enamel.

Nos.	854	855	856
Length, ft	4	5	6
Wt doz, lbs	1¾	2¼	2¾
Per Doz	$9 30	10 95	12 75

One doz in cardboard box.

VICTOR, INSIDE MARKINGS

Rivet Joints.



Flexible hardwood; stiff spring in joints. Joints riveted. Rule rigid when open even in longest lengths. ⅝ inch wide, 6 inch folds, joints and tips blued steel.

The numbers 1, 2, 3, etc., on this rule begin on the inside allowing the rule to lie flat when opened.

Yellow Enamel.

Nos.	803F	804F	805F	806F
Length, ft	3	4	5	6
Wt doz, lbs	1¾	1¾	2¼	2¾
Per Doz	$6 30	8 40	10 50	12 60

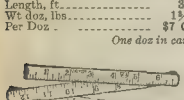
White Enamel.

Nos.	853F	854F	855F	856F
Length, ft	3	4	5	6
Wt doz, lbs	1¾	1¾	2¼	2¾
Per Doz	$7 05	9 30	11 55	13 80

One doz in cardboard box.

VICTOR, OUTSIDE MARKINGS

Concealed Joints.



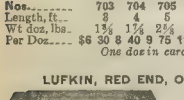
Flexible hardwood, stiff spring in joints. Rule rigid when open, even in longest lengths. ⅝ inch wide, 6 inch folds; outside markings. Joints and tips blued steel.

Nos.	703	704	705	706	753	754	755	756
Length, ft	3	4	5	6	3	4	5	6
Wt doz, lbs	1⅜	1⅞	2⅝	2¾	1⅜	1⅞	2⅝	2¾
Per Doz	$6 30	8 40	9 75	11 25	7 05	9 30	10 95	12.75

One doz in cardboard box.

LUFKIN, RED END, OUTSIDE MARKINGS

Concealed Joints.



Flexible hardwood, stiff spring in joint holds rule rigid when open even in longest lengths: ⅝ inch wide; 6 inch folds; solid brass joints, tips and strike plates; outside markings. The numerals 1, 2, 3 etc, begin on outside of rule when folded. Per Doz

No. 056—Cream enameled finish, will not crack, chip or blister; length 6 ft $17 25

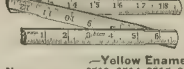
No. 068—White enameled finish, will not crack, chip or blister; length 6 ft 18 00

Half doz in cardboard box; wt per doz 8 lbs.

ZIG-ZAG RULES

LUFKIN, OUTSIDE MARKINGS

Concealed Joints.



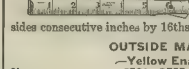
Flexible hardwood, stiff springs in joints. ⅝ inch wide, 6 inch folds. Blued steel joints. Marked consecutive inches.

Nos.	—Yellow Enamel— 8513	8514	8515	8516	—White Enamel— 8613	8614	8615	8616
Length, ft	3	4	5	6	3	4	5	6
Wt doz, lbs	1¾	2	2¼	3	1¾	2	2¼	3
Per Doz	$6 30	8 25	10 50	12 75	7 05	9 30	11 55	13 95

4 foot one doz, 5 and 6 foot, half doz in cardboard box.

LUFKIN

Rivet Joints.



Flexible hardwood, stiff springs in joints. Joints riveted. ⅝ inch wide, 6 inch folds. Brass plated trimmings. Graduated both sides consecutive inches by 16ths.

OUTSIDE MARKINGS

Nos.	—Yellow Enamel— 8524	8525	8526	—White Enamel— 8624	8625	8626
Length, ft	4	5	6	4	5	6
Wt per doz, lbs	2	2½	3	2	2½	3
Per Doz	$8 25	10 50	12 75	9 30	11 55	13 95

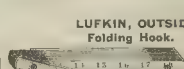
INSIDE MARKINGS

Nos.	—Yellow Enamel— 8524F	8525F	8526F	—White Enamel— 8624F	8625F	8626F
Length, ft	4	5	6	4	5	6
Wt per doz, lbs	2	2½	3	2	2½	3
Per Doz	$8 25	10 50	12 75	9 30	11 55	13 95

4 foot one doz, 5, 6 and 8 foot, half doz in cardboard box.

LUFKIN, OUTSIDE MARKINGS

Folding Hook. Rivet Joints.



Flexible hardwood, stiff springs at joints. Joints riveted. A small, substantial hook fitted to the first end of rule, so attached that with but a twist of the finger will fold up and remain flush with the edge of the rule, making it in appearance and for use same as ordinary rules without hook. ⅝ inch wide, 6 inch folds. Blued steel joints and hook. Marked consecutive inches.

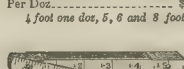
Yellow Enamel.

Nos.	H8524	H8525	H8526	H8528
Length, ft	4	5	6	8
Wt per doz, lbs	2	2½	3	4
Per Doz	$9 75	11 65	13 50	18 00

4 foot one doz, 5, 6 and 8 foot, half doz in cardboard box.

LUFKIN, OUTSIDE MARKINGS

Riveted Joints.



Flexible hardwood, white enameled, stiff spring joints.

Per Doz

No. 9626D—Length 6 ft; marked feet 10ths and 100ths of feet one side; feet, inches and 16ths other side; foot Nos. in red repeated at each 10th and each inch. $13 95

Half doz in cardboard box; wt per doz 8 lbs.

RULE ASSORTMENTS

LUFKIN, Folding Spring Joint Rules.

Flexible hardwood rivet type stiff spring joints; 6 inch folds; ⅝ inch wide. Graduated both sides consecutive inches by 16ths. Assortment consists of one dozen rules with 4 foot, yellow; 1,4 foot white; 2,5 foot yellow; 2,5 foot white; 2,6 foot yellow; 2,6 foot white; 1,6 foot yellow with folding hook, and 1,6 foot white with folding hook.

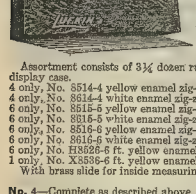
Mounted in an attractive colored easel back cardboard display box. Size of display box 9½x8¾x1⅝ inches.

Per Ass't

No. 7—Ass't of 1 doz rules complete as above described..$11 25

One ass't in cardboard box; wt each 3½ lbs.

ASSORTMENTS



Case made of quarter-sawed oak; golden finish; fitted with heavy glass front which can be quickly opened when making a sale. Size case 15¾x11⅛x4⅝ inches. Length of each rule is shown on a celluloid strip across the top of the case.

Assortment consists of 3¼ dozen rules as follows, packed in display case.

4 only, No. 8514-4 yellow enamel zig-zag rules.
4 only, No. 8614-4 white enamel zig-zag rules.
6 only, No. 8515-8 yellow enamel zig-zag rules.
6 only, No. 8615-8 white enamel zig-zag rules.
6 only, No. 8516-6 yellow enamel zig-zag rules.
6 only, No. 8616-6 white enamel zig-zag rules.
6 only, No. H8626-6 ft. yellow enamel zig-zag rules.
1 only, No. X8536-6 ft. yellow enamel zig-zag rules.
With brass slide for inside measuring.

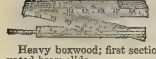
Per Ass't

No. 4—Complete as described above.....$39 00

One ass't in wood case; wt per ass't 21 lbs.

EXTENSION RULES

LUFKIN



FOR INSIDE AND REGULAR MEASUREMENTS

Heavy boxwood; first section of the rule fitted with a graduated brass slide.

To obtain inside measurements, open rule to within six inches or less of distances between points to be measured, then extend brass slide by push button to point of measurement.

Per Doz

No. X8536—Length 6 ft with extension slide 6⅞ ft.....$33 00

Half doz in cardboard box; wt per doz 4¼ lbs.

ZIG-ZAG BOARD RULES

LUFKIN

With Folding Hook. Concealed Joints.

Flexible hardwood, yellow enameled; concealed spring joints. Carries regular board measure one side for 8, 10 and 18 foot, other side for 12, 14 and 16 foot lengths. The 12 foot tier, being regular inch measurement, is subdivided to 8ths of inches for general measuring purposes. The folding end hook serves the purpose of board rule, head, and is handy for all measuring work.

Per Doz

No. 523—Length 3 ft; folds to 6 in length.....$11 25

Half doz in cardboard box; wt per doz 1¾ lbs.

FOLDING LOG RULES

DOYLE

Flexible hardwood, enameled yellow; stiff springs at joints to hold rule rigid when open. ⅝ inch wide, 6 inch folds. Brass plated joints and folding hook. One side marked with inches and Doyle log scale, 10 and 18 feet; reverse side marked with Doyle log scale 12, 14 and 16 feet.

Doz Per

No. 524-4—Length 4 ft.....$12 75

ZIG-ZAG RULES

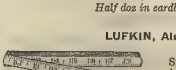
STANLEY, Aluminum.

Rivet joint; 6 inch folds; ⅝ in. wide. Graduated 16th ins. on both sides. Black finish, raised white figures and graduations; outside markings.

Nos.	424	425	426
Length, ft.	4	5	6
No. of folds	8	10	12
Wt per doz, lbs.	3	4	5½
Per Doz.	$35 25	$44 25	53 25

Half doz in cardboard box.

LUFKIN, Aluminum.



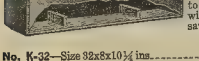
Outside Markings.

Special alloy of aluminum natural finish, rust proof; solid brass joints. Graduated in inches and 16ths; large figures; outside markings. Fitted with steel hook, attached so that it readily folds up and remains flush with edge of rule.

Per Doz

No. H1206—Length 6 ft; 12 folds.....$54 00

Half doz in cardboard box; wt per doz 4 lbs

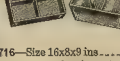


veneer plate in bottom to protect sharp tools, will hold square and three saws.

Each

No. K-32—Size 32x8x10¼ ins.....$10 50

One in carton; wt each 14¾ lbs.



catches, corner irons and leather handle, reinforced with steel core.

Each

No. 716—Size 16x8x9 ins.....$14 25

One in carton; wt each 11 lbs.

ZIG-ZAG RULES

LUFKIN, Aluminum. Outside Markings.
Special alloy of aluminum,

RULE TOOLS

TOOL BOXES

ELECTRICIAN'S KITS, KENNEDY'S

24 gauge steel case, brown baked enamel finish. Fitted brass corners, side catches, Corbin multiple change notch locks and steel leather covered handles. These cases have a divided spacing at one end for blow torch and ledge rests at top case for tray to carry drills, bits and small parts. Have ample space at bottom for heavy tools, material, etc.

	Each
No. 319—Size 19x8x9 ins; wt each 12 lbs	$12 00
No. 321—Size 21x8x9 ins; wt each 13 lbs	12 00

One in carton.

HOME OR FARM KIT, KENNEDY'S

24 gauge steel case, 26 gauge steel tray, brown baked enamel finish. Snug fitting tray divided into compartments for small tools and parts.

With multiple change lock and leather handle, reinforced with steel core. An excellent box for home or farm use.

	Each
No. K-16—Size 16x8x9 ins; wt each 11 lbs	$7 95
No. K-19—Size 19x8x9 ins; wt each 12 lbs	8 25
No. K-22—Size 22x8x9 ins; wt each 13 lbs	8 70

One in carton.

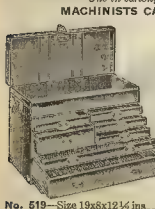
PLASTERERS AND PAPERHANGERS CASES, KENNEDY'S

26 gauge steel case, reinforced, brown baked enamel finish. With multiple change lock, side catches, corner irons and leather handle, reinforced with steel core. Adapted for plasterers, paperhangers, decoroators and engineemen.

	Each
No. 424—Size 24x8x14 ins	$12 75

One in carton; wt each 13 lbs.

MACHINISTS CASES, KENNEDY'S



22 gauge steel case reinforced, brown baked enamel finish. Fitted with seven drawers, lined with good quality felt so that fine tools will not come in contact with the steel. Drawers run on rails which will not break down when heavily loaded. With multiple change lock, corner irons and brass drawer pulls.

	Each
No. 519—Size 19x8x12½ ins	$39 00

One in carton; wt each 35 lbs.

TOOL BOXES

CARPENTERS BOXES, BUHRKE

Solid wood box covered with zinc, all edges bound with black enameled angle iron. All openings protected. Corners reinforced with brass plated angles. Strong lock, hinges and catches and strong ring handle. Wide enough to accommodate two planes and long enough for a full size saw.

	Each
No. 401 Size 32x16½x7 ins	$25 95

One in carton; wt each 15 lbs.

CARPENTER'S BOXES, BUHRKE

Solid wood; box and all edges covered with zinc lining; edges bound with black enameled angle iron; corners reinforced with brass plated angles; extra strong lock, hinges and catches. Wide enough to accommodate two planes and long enough for a full size saw.

	Each
No. 400—Size 32x16½x7 ins	$23 25

One in carton; wt each 12 lbs.

CARPENTER'S BOXES, BUHRKE

Solid wood box covered with zinc.

Edges bound with black enameled angle iron. Corners reinforced with brass plated angles. Strong lock, hinges and catches and strong ring handle. Wide enough to accomodate two planes and long enough for a full size saw.

	Each
No. 402—Size 32x16½x7 ins	$27 75

One in carton; wt each 13 lbs.

CARPENTERS SHOULDER BOXES, BUHRKE

Solid wood; main box and edges covered with zinc; edges bound with black enameled angle iron; corners reinforced with brass plated angles. Strong ring handle lock, hinges and catches. Fittings securely riveted to box. Long enough for a full size saw.

	Each
No. 403—Size 32x8½x9 ins	$17 40

One in carton; wt each 15 lbs.

COMBINATION BOXES, BURHKE

Substantial wood box covered with zinc; edges bound with black enameled angle iron; corners reinforced with brass plated angles. Strong ring handle, lock, hinges and catches. Lined in green with green stained tray 1½ inches deep.

	Each
No. 404-21—Size 21x8¼x8 ins; wt each 18 lbs	$13 50
No. 404-23—Size 23x8½x8 ins; wt each 19½ lbs	15 00

One in carton.

Hibbard GENTLEMEN'S STAINLESS STEEL VEST POCKET KNIVES

THE LAST WORD IN POCKET KNIVES

Knives that will not rust, spot, stain, discolor, tarnish or corrode. Always remains bright. Keeps that "spick and span" brand new appearance, whereas the average common pocket knife is rusty, dirty and filthy looking. Makes it a pleasure to use a Hibbard Stainless Pocket Knife in public. Economical too, on account of lasting a lifetime, whereas the common pocket knife is often times thrown away and replaced on account of becoming rusty and dirty looking.

SANITARY — PRACTICAL — SERVICEABLE

SANITARY—Will not rust or stain in any way, consequently has no hiding place for germs to lurk.

PRACTICAL—Can cut citrous and other fruits with safety and without fear of discoloration.

SERVICEABLE—Sturdily built, yet small enough to carry in vest pocket.

Only the best and most popular patterns selected to make up these assortments. Should prove winners and gain popularity from the start, as they make ideal gifts and prizes.

Blades and springs are made of Stainless Steel, mirror polished on both sides, brass linings, nickel silver tips, rivets, name plates, and toggles. Name plates are stamped Stainless Steel.

No. C2923S—Hibbard Stainless Steel Pocket Knife Assortment, consists of ½ **dozen 2 blade knives** assorted as follows—

2 only with Stag handle, length when closed 3⅛ in.

1 only with Stag handle, length when closed 2¾ in.

1 only with Emerald & Ruby Iridescent Celluloid handle, length when closed 2¾ in.

1 only with Abalonian Pearl Shell Celluloid handle, length when closed 3⅛ in.

1 only with Imitation Mother of Pearl Shell Celluloid handle, length when closed 3 in.

Per assortment $13.35

EACH ASSORTMENT PUT UP IN A HANDSOME LEATHERETTE COVERED PLUSH LINED HINGE COVER DISPLAY CASE

Blades and springs are made of Stainless Steel, mirror polished on both sides, brass linings, nickel silver tips or bolsters, rivets, linings and toggles. Linings are nicely milled. Genuine Mother of Pearl Handles.

No. C2925S—Hibbard Stainless Steel Pocket Knife Assortment, consists of ½ **dozen 2 blade knives** assorted as follows—

1 only with Nickel Silver Bolsters, length when closed 3⅛ in.

1 only with Nickel Silver Bolsters and Toggle, length when closed 3⅛ in.

1 only with Nickel Silver Tips and Toggle, length when closed 3 in.

1 only with Nickel Silver Tips, length when closed 3 in.

1 only with Nickel Silver Tips, length when closed 3⅛ in.

1 only with Nickel Silver Tips and Toggle, length when closed 3⅛ in.

Per assortment $20.00

EACH KNIFE PUT UP IN A HANDSOME INDIVIDUAL LEATHERETTE COVERED BOX

ONE ASSORTMENT IN A HANDSOME LEATHERETTE COVERED, HINGE COVER DISPLAY CASE

Hibbard STAINLESS STEEL POCKET KNIVES

A stainless pocket knife that will not rust, stain, tarnish, discolor or corrode. A knife that really has a lasting, sharp cutting edge.

STAYS SHARP — STAYS BRIGHT

THE KNIFE THAT WILL LAST A LIFETIME

The ideal knife for campers, sportsmen, fishermen, tourists, farmers, mechanics, office men, or anyone that carries a pocket knife. Give wonderful satisfaction and pleasure in use. Many pocket knives are discarded after they become rusty and dirty looking. Hibbard Stainless Steel Pocket Knives always remain bright and shiny and always have that new and clean appearance, as there is nothing to rust and nothing to stain.

The attractive window display we send along with every order for these assortments will sell many Hibbard Stainless Knives for your customers. It catches the eye, makes passers by stop and observe. Sells by suggestion. All dealer has to do is to place a lemon in a mason jar three quarters full of water, stick one of the Hibbard Stainless Pocket Knives and an ordinary old carbon steel pocket knife into same as indicated on large display card. Put the jar, display cards, etc. in a prominent place in show window and big results are bound to follow.

Get after this business at once and before the other fellow beats you to it. It will surprise you how easily you can roll up a volume of business on this item.

Blades are made of Stainless Steel, mirror polished on both sides, brass linings, nickel silver bolsters, rivets and name plate; stainless steel springs, name plate is Stamped STAINLESS STEEL. Length when closed 3 1/16 in.

No. C2902S—Hibbard Stainless Steel Pocket Knife Assortment consists of one dozen knives; 6 with stag handles, 3 with smoked pearl shell celluloid handles, and three with abalonian pearl shell celluloid handles, put up in an attractive partitioned hinge cover counter display box ..... per assortment $23.35

ONE ASSORTMENT IN A BOX. WE DO NOT BREAK ASSORTMENTS.

SEE NEXT PAGE FOR DISPLAY SENT WITH EVERY ASSORTMENT

Hibbard STAINLESS STEEL POCKET KNIVES

Showing the Most Effective Manner in Which to Display them.

NOW WE HAVE IT!

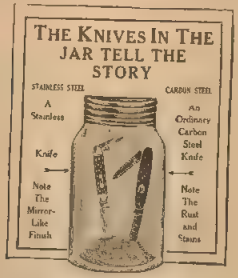
A Stainless Steel Pocket Knife that will not Rust, Stain, Tarnish or Corrode. One that really has a Lasting, Keen Cutting Edge.

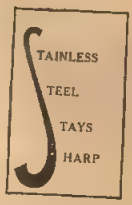
STAYS SHARP—STAYS BRIGHT

"The Knife that will Last a Life Time"

Paste Banner on Show Window in Conspicuous Place.

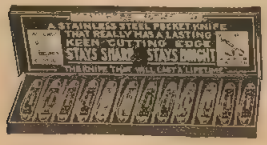
Place This Display Card on One Side of Jar.


THE KNIVES IN THE JAR TELL THE STORY
STAINLESS STEEL
A Stainless Knife
Note The Mirror-Like Finish
CARBON STEEL
An Ordinary Carbon Steel Knife
Note The Rust and Stains



Place This Display Card on One Side of Jar.

Place lemon on bottom of a mason fruit jar. Stick an ordinary carbon steel pocket knife in lemon on one side and a Hibbard Stainless Steel Pocket Knife opposite same as indicated in cut above. Fill mason jar three-quarters full of water and place near window banner in show window folding back that part of large display card that is cut out, and fit over jar.


A STAINLESS STEEL POCKET KNIFE
THAT REALLY HAS A LASTING
KEEN CUTTING EDGE
STAYS SHARP
STAYS BRIGHT
THE KNIFE THAT WILL LAST A LIFE TIME

Place assortment close to window in front of jar, but not too close as not to obstruct the view of knives in jar.

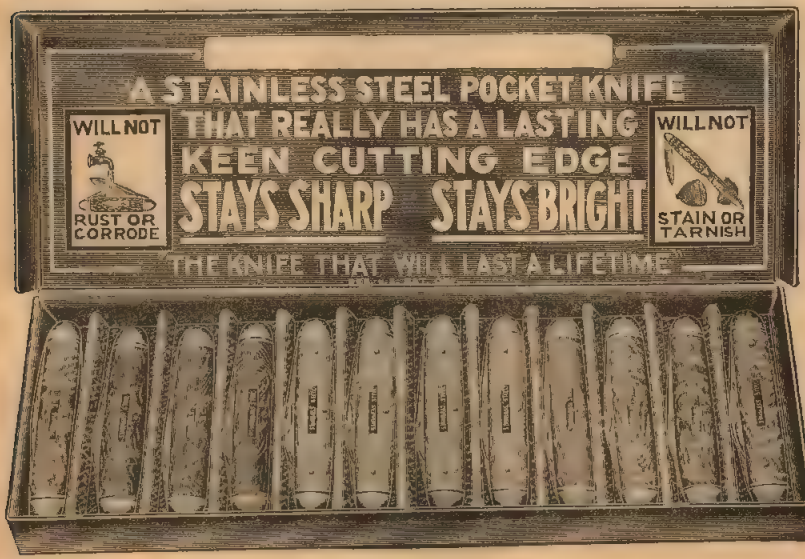
A small flashlight placed in back of the assortment case so that the rays shine into the jar will aid greatly in bringing out the contrast between the STAINLESS STEEL KNIFE and the carbon steel knife.

Hibbard STAINLESS STEEL POCKET KNIVES

The Pioneer of them all. The same old popular standby dressed in new attractive clothes. A handy size for all purpose use, whether on field or stream, farm, shop, office or home.

Hibbard STAINLESS STEEL POCKET KNIVES will not rust, spot, stain, corrode or discolor. Always remain bright and stay sharp.

Fully Guaranteed



Blades are made of Stainless Steel, highly mirror polished on both sides, brass linings, nickel silver bolsters, name-plate and rivets, stainless steel springs. Name plate is stamped "STAINLESS STEEL." Length when closed 3⅞ in.

No. C2982S—Hibbard Stainless Steel Pocket Knife Assortment, consists of one dozen knives, four each with Green Emerald, Blue Sapphire and Lavender Abalonian Shell Celluloid handles. Put up in a plush lined partitioned counter display case.....per assortment **$23.35**

ONE ASSORTMENT IN A BOX

Hibbard STAINLESS STEEL POCKET KNIVES

FINALLY—A STAINLESS STEEL JACK KNIFE

THE CHANGE THAT SCIENCE HAS WROUGHT

GONE IS THE OLD MAN THAT USED TO CLEAN AND SHARPEN YOUR RUSTY KNIVES FOR NOW WE HAVE A JACK KNIFE THAT CANNOT RUST, STAIN, SPOT OR DISCOLOR AND STAYS SHARP.

Hibbard STAINLESS JACK ASSORTMENT, consists of ONE DOZEN 2 blades knives assorted 6 with large clip point blade and 6 with large spear point blade. Large blade is highly polished on front side, other blade is nicely glazed, stag handle, brass lining, nickel silver cap, bolster, shield and rivets, stainless steel springs, shield is stamped STAINLESS STEEL, length when closed 3¼ in.

One assortment in a handsome leatherette covered plush lined hinge cover display case

No. C2924S—Per assortment.....$23.35

ONE ASSORTMENT IN A BOX

Complete Window Display for No. C2924S Stainless Jack Assortment consists of 2 attractive easel back display cards and window banner as shown below. No charge.

BE SURE TO ENTER ON YOUR ORDERS

DO YOU REMEMBER

HOW YOUR OLD FASHIONED CARBON STEEL KNIFE WAS RUSTY
WHEN YOU WANTED IT TO CUT SOME FRUIT WHILE CAMPING?

"STAINLESS JACK" CANNOT RUST, STAIN OR CORRODE

"The Jack That Will Last a Lifetime"

HIBBARD, SPENCER, BARTLETT & CO.

BANNER

I CAN'T RUST

I'M **STAINLESS**

EVER BRIGHT
EVER SHARP
EVER CLEAN

NO RUST
NO STAINS
NO SPOTS

"The Jack that will last a lifetime"

HIBBARD, SPENCER, BARTLETT & CO.

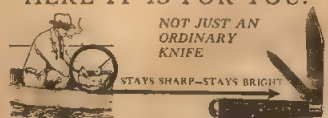
DISPLAY CARD No. 1

MY! HOW GLAD DAD WOULD HAVE BEEN HAD HE HAD THIS

"STAINLESS JACK"

TO USE IN THE "OLD FISHIN' HOLE"

HERE IT IS FOR YOU!



"The Jack that will last a lifetime"

HIBBARD, SPENCER, BARTLETT & CO.

DISPLAY CARD No. 2

Hibbard STAINLESS STEEL POCKET KNIVES

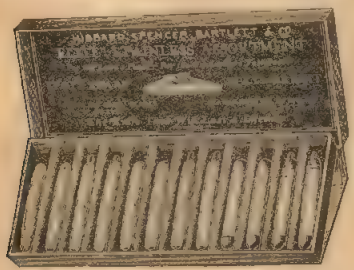
AND HERE WE HAVE STAINLESS STEEL POCKET KNIVES FOR THE LADY'S PURSE OR GENTLEMAN'S VEST POCKET, ALSO IDEALLY SUITED FOR BOYS AND GIRLS

Hibbard STAINLESS STEEL POCKET KNIVES will not rust, spot, stain, discolor, tarnish or corrode. Always remain bright. Keeps that "spick and span" brand new appearance, whereas the common pocket knife becomes rusty, dirty and filthy looking. Makes it a pleasure to use a Hibbard Stainless Steel Pocket Knife in public. Economical too, on account of lasting a lifetime, whereas the common pocket knife is often times thrown away and replaced because rusty and dirty looking.

SANITARY **PRACTICAL** **SERVICEABLE**

SANITARY—Will not rust or stain in any way, consequently has no hiding place for germs to lurk.
PRACTICAL—Can cut citrous and other fruits with safety and without fear of discoloration.
SERVICEABLE—Will last a lifetime.

Only the best and most popular patterns selected to make up these assortments Should prove winners and gain popularity from the start, as they make dandy gifts and prizes.



Blades and springs are made of Stainless Steel. Blades are mirror polished on both sides, brass linings, nickel silver rivets. GENUINE MOTHER OF PEARL HANDLES

Hibbard ELITE STAINLESS STEEL POCKET KNIFE ASSORTMENT, consists of ONE DOZEN 2-blade knives assorted as follows:

2 only with nickel silver bolsters, length when closed 2 1/16 in.

2 only with nickel silver tips, length when closed 2 1/16 in.

2 only without tips or bolsters, length when closed 2 1/16 in.

2 only with nickel silver bolsters and toggle, length when closed 2 1/16 in.

2 only with nickel silver tips and toggle, length when closed 2 1/16 in.

2 only without tips or bolsters but with nickel silver toggle, length when closed 2 1/16 in.

Each assortment put up in a handsome leatherette covered plush lined hinge cover display case.

No. C2922S—Per assortment..... ....$26.65

ONE ASSORTMENT IN A BOX

Blades and springs are made of Stainless Steel. Blades are mirror polished on both sides, brass linings, nickel silver rivets. Length when closed 2 1/8 in.

Hibbard PRINCESS STAINLESS STEEL POCKET KNIFE ASSORTMENT consists of ONE DOZEN 2-blade knives assorted as follows:

1 only with Catalinian pearl shell celluloid handle, nickel silver bolsters.
1 only with Red pearl shell celluloid handle, nickel silver bolsters.
1 only with Stag handle, nickel silver bolsters.
1 only with Tortoise shell celluloid handle, nickel silver tips.
1 only with Stag handle, nickel silver tips.
1 only with Abalonian pearl shell celluloid handle, nickel silver tips.
1 only with White Ivory celluloid handle, nickel silver tips and toggle.
1 only with Stag handle, nickel silver tips and toggle.
1 only with Abalonian pearl shell celluloid handle, nickel silver tips and toggle.
1 only with Tortoise shell celluloid handle, nickel silver bolsters and toggle.
1 only with Abalonian pearl shell celluloid handle, nickel silver bolsters and toggle.
1 only with Stag handle, nickel silver bolsters and toggle.

Each assortment put up in a handsome leatherette covered plush lined hinge cover display case.

No. C2921S—Per assortment.....$20.00

ONE ASSORTMENT IN A BOX

STEEL TRACK

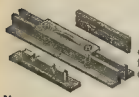
NEY'S

Single Rail Steel Track, for No. 45 carrier, quick to attach and positively secure.

Nos.	1-6	1-8	1-12
Length, ft	6	8	12
Wt per length about, lbs	10	14	20
Per Ft	$0 54	54	54

Shipped loose.

NEY'S



Double Angle Steel Track.

For No. 5 and No. BG10 carriers; easily put up. Put up in sections and further additions can be made without taking down the track.

Nos.	2-6	2-8	2-12
Length, ft	6	8	12
Wt per length about, lbs	12	16	24
Per Ft	$0 54	54	54

Shipped loose.

HAY CARRIER FIXTURES

NEY'S

Single Rail Track Eyes.

Malleable iron, can be placed at any desired location after coupling.

Per Doz

No. 65—Length 5 ins $4 20

Packed loose; wt per doz 6 lbs.

NEY'S

Double Angle Track Eyes.

Malleable iron, they are inserted by driving in from the under side of the track midway between the space blocks, then moved to the desired point.

Per Doz

No. 67—Length 5½ ins $4 20

Packed loose; wt per doz 4 lbs.

NEY'S

Floor Hooks For Use With Hay Fork Pulleys.

Per Doz

No. 69—¾ in. wrought iron, with a coarse, sharp thread, which will hold in either hard or soft wood $4 50

Packed loose; wt per doz 14 lbs.

NEY'S

Hanging Hooks For Hanging Wood Track.

Per Doz

No. 71—¼ in. wrought iron, with nut; length 14 ins $3 90

Packed loose; wt per doz 12 lbs.

NEY'S

Rafter Brackets. For wood or steel track hanging brackets. Malleable iron, crimped that the track eye hangs on a round surface, thereby preventing wear.

Per Doz

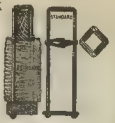
No. 10—Wt per doz 3 lbs $2 25

Packed loose.

BRACKETS AND CLAMPS

FOR HAY RACK

Partial view of hayrack made with brackets and clamps.



Section showing manner of construction.

These brackets make the strongest kind of hay racks, as the wood is not weakened by boring holes for bolts where strength is most essential. Set consists of 8 steel clamps, 4 left and 4 right brackets, 8 upper grooved steel washers, 8 lower clips or washers, and 16 nuts.

Per Set

No. 1—With 14 in. clamps, for sills 2x8 ins. and cross pieces 2x4 ins; wt per set 15 lbs $4 20

No. 2—With 16 in. clamps, for sills 2x8 ins, and cross pieces 2x6 ins; wt per set 17 lbs 4 35

One set in wood box.

LITTER CARRIERS

HUDSON

20 gauge galvanized steel tub closely riveted to angle steel frame 1x1x⅛ inch. Ends reinforced at center by 3¾x4⅛x18¼ inch malleable pivot castings. All joints soldered. Heavy angle iron reinforcement completely around top, bottom and sides. Latches at both ends of tub, lock and unlock simultaneously. The tub dumps automatically by means of a trip and is self-cleaning when dumped.

Track wheels gray iron, 5½ inches in diameter, roller bearings steel axles mounted on swiveled wheel frame to permit wheels to take curves without binding on track.

Can be used on 0000 rod track both inside and outside of barn. Can also be used on rigid track inside barn and rod outside track if so desired. **Price does not include track.**

Each

No. 70—Capacity tub 6 bu; length 40 ins; width 22 ins; depth 16 ins ..... ✣$64 50

Packed loose; ship wt each 81 lbs.

ROD TRACK EQUIPMENT FOR No. 70 LITTER CARRIER

ROD TRACK

No. 0000 special drawn steel wire, cut to fit, with ends properly looped.

Per 100 Ft

No. C—Wt per 100 ft about 60 lbs ..... ✣$13 20

Packed loose.

TENSION BOLTS

Each end of every stretch of track must be securely anchored with a tension bolt, wrought iron.

Each

No. L11—Length 30 ins; diam ⅞ in ..... ✣$3 69

Packed loose; wt each 5 lbs.

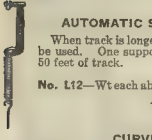
✣F. O. B. Minnesota Factory Only.

LITTER CARRIERS

AUTOMATIC STOP AND RETURNING DEVICE

Absolutely insures the return of the carrier and makes it impossible for carrier to run off the track.

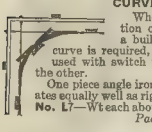
Each
No. SE3—Wt each 3½ lbs ✣$4 20
Packed loose.



AUTOMATIC SPRING TRACK SUPPORT

When track is longer than 100 feet, this support should be used. One support is required for every additional 50 feet of track.

Each
No. L12—Wt each about 8¼ lbs ✣$2 64
Packed loose.



CURVE OR SWITCH

When it is necessary to change direction of rod track around the corner of a building, or any other place where a curve is required, two stretches of track should be used with switch to connect one line of track with the other.

One piece angle iron with malleable iron ends. Operates equally well as right or left hand switch. Each
No. L7—Wt each about 25 lbs ✣$14 25
Packed loose.

ANCHOR ROD WITH TURNBUCKLE

Used to keep track properly secured so that it will not sag or get out of shape. Complete including post loop, guy wire, turnbuckle and anchor rod. Each
No. L3—Wt each about 15 lbs ✣$4 23
Packed loose.

HUDSON

Chain Hoist.

20 gauge galvanized steel tub closely riveted to angle steel frame 1x1x⅛ inch. Ends doubly reinforced at center by 3¾x4½x13¼ inch pivot malleable on which tub turns. Heavy angle iron reinforcement completely around top, bottom and sides. Latches at each end of tub lock and unlock simultaneously.

The tub dumps automatically to either side and is self-cleaning when dumped. Track wheels gray iron, 4 inches in diameter, mounted on tandem, in malleable swivel frame to take curve without binding on track.

Operates on rigid track inside and outside of barn.

Nos.	58	58B
Capacity tub, bu	9	18
Length tub, ins	42	42
Width tub, ins	28	28
Depth tub, ins	18	22
Wt each, lbs	161	176
Each	✣$115 95	✣$123 45

Packed loose.

✣F. O. B. Minnesota Factory Only.

LITTER AND FEED CARRIERS

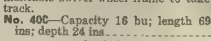
HUDSON

For Use On I Beam Track.

Selected, seasoned and dressed hardwood. Sides ¾ inch thick, ends and cleats 1 inch thick; 24 gauge galvanized steel bottom and ends. Two 1½x⅜ x¾ inch channel steel bails extend to bottom of feed box.

Hoist chain and sprocket geared to give easy lift of load with quick ascent and decent. Combination control clutch and brake gives easy and absolute control of raising and lowering feed-box. Solid steel shaft, cold rolled to 1 1/16 inch diameter, strength reinforced by heavy angle iron steel bar to which shaft is attached. Lifting chain tested to carry several times the weight of loaded feed-box; winds on shaft in open spiral, preventing rubbing and wear on links. Gray iron track wheels 4 inches in diameter, mounted tandem in malleable swivel wheel frame to take curves without binding track. Each
No. 40C—Capacity 16 bu; length 69 ins; width 30 ins; depth 24 ins ✣$115 95
Packed loose; ship wt each 200 lbs.

TRACK EQUIPMENT FOR LITTER AND FEED CARRIERS



I beam type, bends without heating to any desired curve, narrow rounding tread easily bolted to hangers holding track firm and rigid.

Per Ft
No. 102—Furnished in 6, 9 and 15 ft lengths ✣$0 54
Packed loose; wt per foot 1½ lbs.

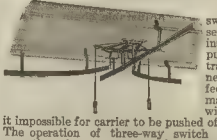
HANGERS FOR LITTER AND FEED CARRIERS

Each
No. 90B—Bolt equipment ✣$0 84
No. 90F—Frame equipment ✣ 93
No. 90L—Lag screw equipment ✣ 99
No. 90P—Plate attachment ✣ 1 11
Packed loose.

TRACK HANGERS

Each
No. 90A—With nailing plate and nails, no extension ✣$0 78
No. 90—With lag screw, no extension plate or nails ✣ 84
Packed loose.

TRACK SWITCH HUDSON



All steel, mounted switches easy acting, assembled and ready for installation. An easy pull on chain from below transfers track to connecting track with perfect alignment and automatically bars open track with safety stop, making it impossible for carrier to be pushed off track at open switch. The operation of three-way switch is the same as the operation of a two-way switch except it connects with three different sections of two different tracks from main line.

Each
No. 103—Two-way—Wt each 26 lbs ✣$19 80
No. 104—Three-way—Wt each 29 lbs ✣ 24 75
Packed loose.

✣F. O. B. Minnesota Factory Only.

HAY CARRIER FORKS

NEY'S

Nellis Single Harpoon.

Single malleable iron head, wrought steel blade with tool steel point and barbs, painted. Has spring latch which holds the load securely; when tripped the load is discharged by its own weight.

Each

No. 1—Length blade 36 ins..... $11 25

Packed loose; wt each 11 lbs.

NEY'S

Canton Single Harpoon, Nellis Pattern.

Malleable iron head, wrought steel blade with tool steel point and barbes, painted. Has lock lever latch which holds the load securely until tripped, then the load is discharged by its own weight.

Each

No. 3—Length of blade 36 ins..... $9 45

Packed loose; wt each 11 lbs.

NEY'S

Harris Double Harpoon.

Spear point steel, malleable iron trip lever, japanned. Locking and tripping device constructed on the lever principle is simple and positive.

Each

No. 2—Length 25 ins from cross bar to point; 18 ins wide; 3½ in. harpoon points..... $5 10

Packed loose; wt each 17 lbs.

GRAPPLE FORKS

With Center Spears.

Spring steel, japanned; polished points.

Nos.	4	6
Number of tines	4	6
Length closed, ins	28	38
Width, ins	28	30
Thickness, ins	17	17
Spread, ins	64	40
Wt each, lbs	36	50
Each	$23 55	27 00

Packed loose.

HAY FORK PULLEYS

NEY'S

Hardwood sheave, 5 inches in diameter, 1½ inches thick; turning on self-oiling hollow loose pin, for 1 inch rope or smaller; cast iron frame, swivel eye with inside flanges to protect rope; finished in black japan.

Per Doz

No. 114—Height over all 10 ins..... $16 20

Packed loose; wt per doz 40 lbs.

NEY'S

Cast iron sheave, 5 inches in diameter; 1⅝ inches, thick, turning on loose pin, for ⅝ inch rope or smaller cast iron frame, swivel eye; finished in black japan.

Per Doz

No. 115—Height over all 9 ins..... $15 30

No. 1150—5 in. iron sheave loose pin; swivel eye; nicely finished in black enamel..... 10 20

Packed loose; wt per doz 45 lbs.

NEY'S

Hard maplewood sheave, 6 inches in diameter; 1½ inches thick, turning on loose pin for 1 inch rope or smaller, steel frame, swivel eye, with flanges to protect rope; finished in black japan.

Per Doz

No. 121—Height over all 10 ins..... $15 30

Packed loose; wt per doz 40 lbs.

NEY'S

Hard maplewood sheave, boiled in oil, 5 inches in diameter, 1½ inches thick; turning on loose pin for, 1¼ inch rope or smaller, wood frame with inside strap, made of steel, swivel eye.

Per Doz

No. 111—Height over all 10 ins..... $16 20

Packed loose; wt per doz 35 lbs.

NEY'S

Knot Passing.

Hard maplewood sheave, 6 inches in diameter; 1½ inches thick, turning on hollow loose pin, for 1 inch rope or smaller, cast iron frame, swivel eye with inside flanges to protect rope; finished in black japan.

Per Doz

No. 118—Height over all 11 ins..... $17 25

Packed loose; wt per doz 50 lbs.

HAY SLINGS

NEY'S STANDARD

Center Trip, Adjustable.

Malleable iron center trip; ½ inch rope attached to wood cross bars which allows the bars to be shifted where desired. Slings are adjustable to any size rack.

Normal length 17 feet; adjustable from 16½ to 19½ feet.

Each

No. 5—4 ft wide..... $8 55

One in bale; wt each 20 lbs.

SLING PULLEYS

NEY'S SELF LOCKING

Malleable iron; takes ¾ inch rope.

Each

No. 10—For Nos. 5 and 45 Ney's hay carriers..... $9 45

No. 300-824X—For No 10BG Blue Grass hay carrier..... 9 45

Packed loose; wt each 10 lbs.

SWIVEL ROPE HITCH

Malleable iron. Does away with the untieing of hard knots and wasting of rope by cutting hard knots. Per Doz

No. 12—Length over all 8 ins..... $9 45

Packed loose; wt per doz 20 lbs.

HAY CARRIERS
—BLUE GRASS—

Swivel Reversible, For Double Angle Steel Track.

Malleable iron, finished in blue and gold. The travelers and sheaves throughout revolve upon bushings, thus reducing friction and wear. The lifting pulley is supplied with new patent hook, by means of which the fork can be easily removed without the use of a wrench, at the same time locking it in perfectly when in use.

Throat has large opening and the simple locking mechanism is so arranged that the lifting head or fork pulley cannot fail to enter and lock securely to the carrier. Locks are operated without the use of springs and engage projections upon the lifting head practically in a line with the axis of the pulley.

Diameter of track wheels 3¼ inches; 1 inch tread; height over all 11 inches; length 14 inches.

	Each
No. BG10—With trip block and lifting pulley, **less rope**	$21 30

Packed loose; wt each 23 lbs.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not include Hay Fork, Sling or Rope.

For prices on Forks, see page 421.
For prices on Slings, see page 421.
For prices on Rope, see page 486.

	Each
No. 10-40BG—For 40 ft barn	$63 00
No. 10-50BG—For 50 ft barn	68 25
No. 10-60BG—For 60 ft barn	80 25

NEY'S

Swivel Reversible, For Double Angle Steel Track.

Cannot pass the bumper or trip block while in operation and is quickly and easily reversed from floor. Malleable iron; travelers and sheaves revolve on turned steel bushings. Diameter of track wheels 3¼ inches; tread ⅝ inch; height over all 12 inches; length 13½ inches.

	Each
No. 5—With trip block and lifting pulley, **less rope**; wt each 23 lbs	$21 30
No. 15—**Extra trip block**, for No. 5 carrier; wt each ¾ lb	1 14

Packed loose.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not include Hay Fork, Sling or Rope.

For prices on Forks see page 421.
For prices on Slings see page 421.
For prices on Rope see page 486.

	Each
No. 5-40—For 40 ft barn	$63 00
No. 5-50—For 50 ft barn	68 25
No. 5-60—For 60 ft barn	80 25

HAY CARRIERS
NEY'S
Reversible, For Single Rail Steel Track.

Both swivel and rope reversible, malleable iron; all sheaves and travelers revolve on evenly turned bushings; finished in black japan and bronze; bumper can be easily located and quickly changed to any desired point on the track; diameter of track wheels 3 inches; tread ¾ inch, height over all 10 inches, length 13½ inches.

	Each
No. 45—With trip block and lifting pulley, **less rope**; wt each 25 lbs	$21 30
No. 46—**Extra trip block**, for No. 45 carrier; wt each ¾ lb	1 44
No. 47—**Extra lifting pulley**, for No. 45 carrier; wt each 5 lbs	2 85

Packed loose.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not included Hay Fork, Sling or Rope.

For prices on Forks, see page 421.
For prices on Slings, see page 421.
For prices on Rope, see page 486.

	Each
No. 45-40—For 40 ft barn	$63 00
No. 45-50—For 50 ft barn	68 25
No. 45-60—For 60 ft barn	80 25

CLIMAX
Swivel Reversible, For 4x4 inch Wood Track.

With this carrier the fork can be carried within seven inches of the track, which makes it possible to fill the mow closer to the comb of the roof.

The throat has large opening and the simple locking mechanism is so arranged that the lifting head or pulley locks directly on the sides or frame of the carrier, not depending on separate dogs or lugs to hold the load.

Diameter of track wheels 5¼ inches; tread 1¼ inches; height over all 16½ inches; length 19 inches.

	Each
No. 115—With trip block and lifting pulley; **less rope**; wt each 30 lbs	$21 30
No. 116—**Extra trip block**, for No. 115 carrier; wt each ¾ lb	1 14
No. 117—**Extra lifting pulley**, for No. 115 carrier; wt each 3¾ lbs	2 85

Packed loose.

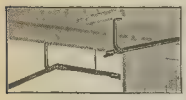
Hay Carrier Outfits.

Hay carrier, wood track hanging hooks for wood track, floor hooks, rafter brackets and hay fork pulleys included in this outfit. This does not included Wood Track, Fork, Sling or Rope.

For prices on Forks, see page 421.
For prices on Slings, see page 421.
For prices on Rope, see page 486.

	Each
No. 115-40—For 40 ft barn	$39 00
No. 115-50—For 50 ft barn	41 25
No. 115-60—For 60 ft barn	43 50

TRACK SWITCH
REMOVABLE SECTION



Designed to allow the barn doors to close where the track passes out of doorway, this removable section is used. This section is furnished with splice clamps that fit exactly to ends of adjoining track sections.

The removable section can be easily lifted out to allow door to close or easily replaced when carrier is used.

Each
No. 105—Wt each 4½ lbs..... +$4 62

Packed loose.

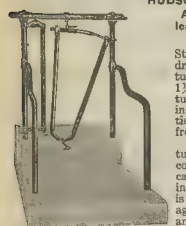
FEED TRUCKS

Sides selected seasoned hardwood. Bottom and ends 24 gauge galvanized steel. 1 inch cleats at sides, bottoms and ends. Corners at end, bottom and sides bound with ⅛ inch bar iron. Large wheels 20 inches in diameter, 2 inch face; 1 inch solid cold rolled steel axles. Swivel wheel 7 inches in diameter. One load feeds 20 cows.

Each
No. 141—Capacity 16 bu; length 70 ins; width 24 ins; depth 30 ins..... +$92 40

Packed loose; wt each 145 lbs.

STEEL STALLS
HUDSON



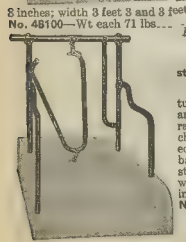
Adjustable wood lined malleable guide stanchion.

Heavy malleable fittings. Stall upright 1⅝ inch, olive drab enameled rust resisting tubing. Horizontal top rail 1⅝x1⅛ inch heavy square tubing. Partitions 1⅝ inch tubing, triple bend; outer end partition extends 3 feet, 3 inches from stall upright.

Swinging sure stop, 1¼ steel tubing hinged to stall post and connected by ⅜ inch throw; bar can be operated from any point in stall line. When stanchion is closed, sure stop swings back against steel partition, leaving ample head room; height 4 feet 8 inches; width 3 feet 3 and 3 feet 6 inches.

Each
No. 48100—Wt each 71 lbs..... +$33 00

Packed loose.



Adjustable chain guide stanchion.

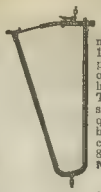
Extra strength rust resisting tubing with malleable clamps and fittings. Horizontal top rail square tubing 1⅝x1⅝ inches. Partitions 1⅝ inch welded tubing triple bend, extends backward 3 feet 3 inches from stall post; height 4 feet 8 inches; width 3 feet 3 and 3 feet 6 inches.

Each
No. 2A66—Wt each 64 lbs..... +$27 60

Packed loose.

+F. O. B. Minnesota Factory Only.

STANCHIONS
Adjustable.

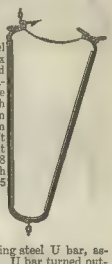


High carbon rust resisting steel channel and malleable fittings; steel channel stanchion arms 1⅛x⅝x1½ inch, rounded bottoms butt against pivot section of hinge casting. Specially seasoned hardwood finished in oil and polished lining pressed into channel, securely fastened. Telescoping malleable iron guide prevents strain on hinge and movable arm; one hand quick acting lift type latch locks automatically by weight of stanchion; ⅝ inch wrought iron chains. Neck space adjustable from 6½ to 8½ inches.

Each
No. 100—Wt each 22 lbs..... +$10 65

Packed loose.

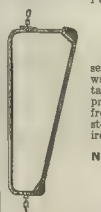
HUDSON
Adjustable.



High carbon rust resisting steel channel and malleable fittings; stanchion arms 1⅛x⅝x1½ inch channel steel, rounded at top and bottom. Specially seasoned hardwood finished in oil and polished lining inserted in the steel channel. 13 gauge weedless wire latch chain prevents loose arm of stanchion from opening too far and relieves hinge from strain when stanchion is open; one hand lift type latch locks automatically by weight of stanchion. Neck space from 6½ to 8 inches.

Each
No. 105—Wt each 19½ lbs..... +$9 15

Packed loose.



High carbon rust resisting steel U bar, assembled with steel fittings. U bar turned outward, leaving a smooth round surface in contact with cow's neck. Extension arm is provided with a stop to keep movable arm from opening beyond a certain point. Pressed steel latch; steel socket hinge ⅞ inch wrought iron chain.

	1 to 12	12 or more
	Each	Each
No. 999—(New style) grey enamel finish	$8 25	7 80

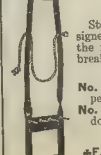
Three in bdle; wt each 18 lbs.

ANIMAL POKES
NEVER FAIL

One piece hardwood, plain finish, flexible, adjustable to any size neck; steel wire prods, with tinned snap

Per Doz
No. 6—Length 4½ ft..... $29 25

Quarter doz in bundle; wt per doz 75 lbs.



FORSYTHE

Steel, painted red; adjustable. Especially designed to prevent horses and cattle from tramping the fence, riding it down or reaching over and breaking off fence posts.

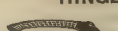
Per Doz
No. 1F—For horses; length 32½ ins; wt per doz 59 lbs..... $42 00
No. 2F—For cows; length 29½ ins; wt per doz 53 lbs..... 36 75

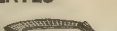
Half doz in bdle.

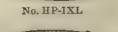
+F. O. B. Minnesota Factory Only.

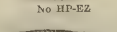
(Illustration of No. 1F)

HINGE PLATES


No. HP-IXL


No HP-EZ


No. HP-G

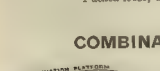

No HP-W

For Bucket Pumps.

	Each
No. HP-IXL—For IXL pump	✤$6 30
No. HP-G—For Gem pump	✤ 6 30
No. HP-EZ—For EZ pump	✤ 6 30
No. HP-W—For wood curb pump	✤ 6 30

Packed loose; wt each about 10 lbs.

COMBINATION BASE



To be used with any of above plates.

Each

No. CB—Cast iron, corrugated top; outside measurements 33x33 ins ✤$22 50

Packed loose; wt each about 75 lbs.

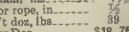
WELL WHEELS

Japanned cast iron, covered.

Nos.	8	10	12	14
Diam, ins	7½	9	10	12
For rope, in	½	⅝	¾	1
Wt doz, lbs	39	52	66	111
Per Doz	$18 75	22 65	27 00	40 50

Packed loose.

WELL WHEEL HOOKS

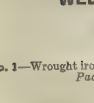


Per Doz

No. 1—Wrought iron, ⅜x8 ins, with nut and washer ... $3 30

Packed loose; wt per doz 3 lbs.

PUMP SPOUT ATTACHMENTS



Best quality tough gray iron casting, heavily japanned.

Will fit any Iron Spout Pump. Provided with a swivel attachment which permits of conductor being turned around on pump spout so as to carry the pipe in any direction from the pump.

Water Conductors.

Per Doz

No. 100—Outlet threaded for 1¼ in. iron pipe ... $15 00
No. 100-1½—Outlet threaded for 1½ in. iron pipe ... 15 75

Packed loose; wt per doz 50 lbs.

✤F. O. B. Ohio Factory Only.

HAY CARRIERS

DIRECTIONS FOR RIGGING HAY CARRIERS

Directions for reversing all our Swivel Carriers.

Pull the carrier to stop block or bumper, allowing the lifting pulley to drop out of the carrier. Take rope out of pulley at end of barn and while standing on the floor beneath the carrier give the rope a little slack from the hand to the carrier and give it a little throw to obtain a half turn in the swivel. Rethread the pulleys in the end of the barn you wish to operate in, then the carrier is ready for operation. Before pulling large rope out of pulleys tie a small rope to the end of it so the small rope will be through pulleys, for pulling up the large rope, the reverse, see cut above.

Directions For Putting Up Track.

Support track to every rafter by means of track eyes and rafter irons. Place stop block or bumper directly over unloading place, and to prevent carrier from running off track bolt carrier stop or pulley fastener to end of the track, tie a rope from one rafter to the other, letting rope hang four or five inches under the track, or nail a board to the rafters close to and over it.

Material Required for a Steel Track Outfit for Different Length Barns.

For a 40 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversible carrier, 40 feet steel track, 21 hanging hooks, 21 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 110 feet ¾ inch manila rope, 50 feet ⅜ inch check rope, 40 feet ⅜ inch reverse rope.

For a 50 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversible carrier, 48 feet steel track, 25 hanging hooks, 25 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 130 feet ¾ inch manila rope, 55 feet ⅜ inch check rope, 50 feet ⅜ inch reverse rope.

For a 60 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversible carrier, 60 feet steel track, 31 hanging hooks, 31 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 160 feet ¾ inch manila rope, 60 feet ⅜ inch check rope, 60 feet ⅜ inch reverse rope.

Material Required for Wood Track Outfits.

Material required for wood track outfits for different length barns, same as for steel track, except hanging hooks. Use No. 71 wood track hanging hooks in place of these.

Different lengths of barn will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end, figure same amount of draft rope. If draft rope be returned to same end of barn and then down, this require about one fourth more draft rope.

Great American Hedge Shear

DROP FORGED BLADES POLISHED
EXTRA WIDE BEVEL
NOTCHED SO AS TO CUT HEAVY BRANCHES BUSHES, STICKS, Etc.
HEAVY POLISHED FERRULES
MAHOGANY FINISHED HANDLES WELL SHAPED

Drop forge Blades, polished, with extra wide bevel. The blades are notched to aid in cutting heavy branches, bushes, sticks etc. Blades are 7 inches long.

Heavy polished ferrules. Mahogany finished handles well shaped. 22 inches over all.

Per Pair

No. 1926

One in a paper envelope.

HEDGE SHEARS

Red Enameled Hardwood Handles 10½ Ins. Long. Shaped to Fit the Hands. Steel Ferrules. Heavy Bolt will Withstand Much Usage. Cast Iron, Black Japanned Blades 8 Ins. Long. Blades are Notched.

Per Pair

No. 122

One shear in a paper bag
Weight 3 lbs

PENNSYLVANIA SUPER ROLLER MOWER

A Hand Roller Mower That Combines the Fleetness of Hand Mowing With the Efficiency and Speed of Machine Mowing. The Rolling Operation is Saved, Eliminating Twice Walking on Green. Seven Crucible Steel Blades in a High Speed Cylinder. Aluminum Driving Drum and Train of Cut Gears Running in a Grease Tight Case. Intermediate Gear on Roller Bearings. Drum, Cylinder and Front Chaser Wheels on Ball Bearings. Alemite System of Lubrication. Excellent for Golf Greens, Tennis Courts and Croquet Lawns, Easy to Push and Cuts Absolutely Without Ridging the Greens. Weight 55 lbs., 1 Case Only. 18" Cut.

	List Price Each
No. 55	$50.00
No. 55GC—Grass Catcher for No. 55 Mower. Dark Green Outside; Light Blue Inside; Gold Handles. Weight 29 lbs.	55.00
No. 55C—Carriage for No. 55 Mower. Black Finish All Over. Weight 21 lbs.	5.00

A Special Mower Built for Sandy Soil

Poinsettia Ball Bearing Lawn Mowers

Made by Pennsylvania Lawn Mower Works

No Sinking in Sandy Soft New Soil up to the Hubs When the Poinsettia Ball Bearing Lawn Mower is Used. The Special Wheel Flanges 2¼ Inches Wide, Insure Against Heat Troubles. Easy Over Soggy Spongy Ground. Quite as Readily as a Mower with Standard Wheel Tread Does Over Firm Turf.

Blades — 5 Crucible Tool Steel, Hardened and Tempered.

Gears—Internal, One in Each Wheel.

Bearings—Steel Ball Bearings.

Wheels—10 Inches in Diameter. Closed Center. 5 Spokes to Rim. Special Wheel Flanges 2¼ Inches Wide.

Parts Malleable and Cast. Machined on Jigs to Fit, Insuring Noiseless Smooth Cutting.

Bottom Knife—Spring Steel Self Sharpening.

Height of Cut—½ to 1½ Inches.

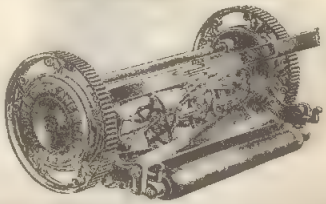
Staylite Handle — Hardwood. Adjustable Steel Clamps on Cross Bar.

Finish — Wheels Painted Red. Wheel Hubs and Tie Rod Gilt. Handle Braces Red with Embellishments. Blades, Gilt with Red Cutting Edge.

High Wheel

	Each
14 Inch Cut	
16 Inch Cut	
18 Inch Cut	

THE SUPER GREAT AMERICAN



Time Mower Runs with Ease. Qualities of the Great American and Roller Bearings in the Drive Wheels and Steel Axles. Several Minor Improved Fittings. Makes Pushing Far Easier and Adds Years to the Wheel Bearings.

The Cutting Cylinder of Fine Crucible Tool Steel. Hardened and Tempered Blades, Revolves on Ball Bearings. Cones are Adjusted by the Center Rod in the Cylinder.

The Raised Edge Bottom Knife is Made of a Special Analysis Tool Steel. Hardened and Tempered. Regulated by One Set Screw on Top and One on the Bottom of the Coulback at Either End.

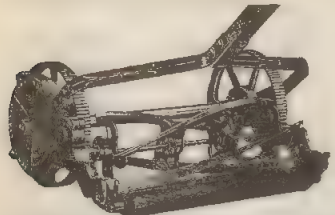
It is Fitted with Patented Staylite Handle. Adjustable Steel Clamps
5 Hardened and Tempered Crucible Steel Blades, 10 Inch Wheels.

No. Super Great American

Width, Cut	Last Each
14 Ins.	$30 00
15	34 00
17	38 00
19	42 00

Pennsylvania Quality Lawn Mowers

PENNSYLVANIA STANDARD



Four Extra Wide Crucible Tool Steel Blades. Oil Hardened and Water Tempered **Train of Triple Gears.** Extra Long Wheel Base Cuts Smoothly Over Uneven Ground Wheels, 8 or 10½ Inches. **Open Spokes.** Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Flat Pattern, Hardened and Tempered. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar

LOW WHEEL

8-inch Wheels. 5½-inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Wt., Bxd., Inc. Handle, Pounds	58	60	90
List Price, Each	$23.00	28.00	32.00

HIGH WHEEL

10½-inch Wheels. 6½-inch, Four-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight Boxed, Inc. Handle, Lbs.	78	82	85	97
List Price, Each	$30.00	34.00	38.00	42.00

PENNSYLVANIA JUNIOR BALL BEARING

Five Extra Wide Crucible Tool Steel Self-sharpening Blades, Oil Hardened and Water Tempered A Triple Set of Gears on Each Side Extra Long Wheel Base Cuts Smoothly Over Uneven Ground. Wheels 8 or 10 Inches Open Spokes Crucible Tool Steel Bottom Knife, Raised Edge Tempered Height of Cut, ¾ to 1⅛ Inch. Will Cut Grass 6 Inches High Accurately Machined Malleable and Cast Parts Hardwood Handle Adjustable Steel Clamps on Cross-Bar

LOW WHEEL

8-Inch Wheels. 5½-Inch, Five-blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs.	59	62	65	68
List Price, Each	$24.00	28.00	32.00	36.00

HIGH WHEEL

10-Inch Wheels. 6-Inch, Five-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc. Handle, Lbs.	71	74	77	90
List Price, Each	$30.00	34.00	38.00	42.00

PENNSYLVANIA GOLF

For Golf Courses, Tennis Courts, Cricket Crosses, etc.
Crucible Tool Steel Blades, Oil Hardened and Water Tempered Train of Double Gears. Extra Long Wheel Base. Will Run Smoothly and Not Tip Up. Wheels 8 Inches on Low Wheel Mower, 9½ Inches on High Wheel Mower Accurately Machined Malleable and Cast Parts Crucible Tool Steel Bottom Knife, Raised Edge Tempered Height of Cut, ½ to 1½ Inches Hardwood Handle Adjustable Steel Clamps on Cross-Bar. Iron Roller Supplied with High Wheel Mower Only.

HIGH WHEEL

Ball Bearing. Seven Blades. Iron Roller.
9½-Inch Wheels. 6½-Inch Cylinder

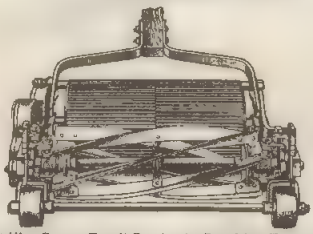
Width of Cut, Inches	17	19	21
Weight, Boxed, Inc Handle, Pounds	75	79	85
List Price, Each	$34.00	38.00	42.00
Special Grass Box List Extra	8.00	8.00	8.00

LOW WHEEL

Plain Bearing. Six Blades. Wood Roller.
8-Inch Wheels. 5½-Inch Cylinder

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	62	67	71
List Price, Each	$28.00	32.00	36.00
Special Grass Box List Extra	8.00	8.00	8.00

PENNSYLVANIA PUTTING GREENS
Or Roller Mower



For Putting Greens, Tennis Courts, etc. Requiring Close Cut

For cutting undulating or wavy putting greens, also tennis courts the mower is preferred by many competent greenskeepers and is used on many prominent golf courses in this and other countries. The cylinder and driving drums run in improved pattern HYATT ROLLER BEARINGS, all gears are accurately cut, the knives are crucible tool steel oil hardened and water tempered and the mower is so well balanced that it pushes very easily.

The lower knife is bolted to the frame and all adjustment for wear on the blades is taken up on the cylinder bearings It will cut to ¼ inch of ground.

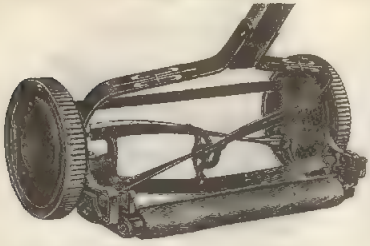
Rollers, 7 Ins. Diameter; Cylinder, 5 Ins. Diameter; 6 Blades.

7-Inch Rollers. 5-Inch, Six-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Lbs.	76	85	94
List Price, Each	$28.00	32.00	36.00
Special Grass Box List Extra	8.00	8.00	8.00

PENNSYLVANIA QUALITY LAWN MOWERS

BRIGHT STAR



Blades—3 Crucible Tool Steel, Hardened and Tempered

Bearings—Bronze Bearings for Cylinder, Adjustable, Easily Removed

Wheels—8 Inch Diameter, Spoke Rim.

Parts—Malleable and Cast, Accurately Machined to Insure Noiseless Service.

Bottom Knife—Spring Steel, Hardened and Tempered.

Handle—Hardwood, with a Mortised Cross Bar, Braced with Iron Rods

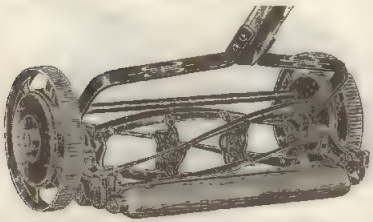
8 Inch Wheels. 3 Blades

Height of Cut—½ to 1½ Inches. Will Cut Grass 3 Inches High

Finish—Bright Red Decorated with Gilt.

Width of Cut Inches	12	14	16
Each....			

LIBERTY BELL



Blades—4 Crucible Tool Steel, Hardened and Tempered

Gears—Internal. One on Each Wheel

Bearings—High Grade Ball Bearings. Eccentric Screw Adjustment.

Wheels—9 Inch Diameter, Spoke Rim.

Parts—Malleable and Cast, Accurately Machined to Insure Noiseless Service

Bottom Knife—Spring Steel, Hardened and Tempered.

Handle—Hardwood, with a Mortised Cross Bar, Braced with Iron Rods.

9 Inch Wheels. 4 Blades. Ball Bearing

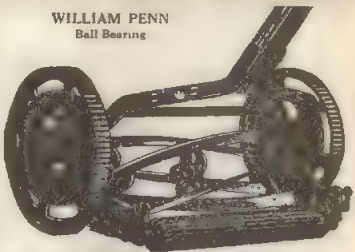
Height of Cut—½ to 1½ Inches. Will Cut Grass 3 Inches High.

Finish—Aluminum, Dark Blue with Stripes.

Width of Cut—Inches	14	16	18
Each			

WILLIAM PENN

Ball Bearing



Blades 5 Crucible [illegible] Tempered

Gears—[illegible] Cut [illegible] Wheel Covered by Dust-Proof Cap

Bearings Bronze Cut [illegible] Cones, Same as Used in the Pennsylvania Junior

Wheels—9 Inches Diameter Open Center or Spider Pattern, Reinforced Rims

Parts Malleable and Cast Machined or Jigs to Fit, Insuring Noiseless Smooth Cutting.

Bottom Knife Spring Steel, Hardened and Tempered The Cast Bar Holding the Knife is Fitted to Side Plates, Permitting Accurate Set Screw Adjustment

Height of Cut [illegible] to 1¼ Inches Will Cut Grass 5 Inches High. Cut 16 Inches Wide

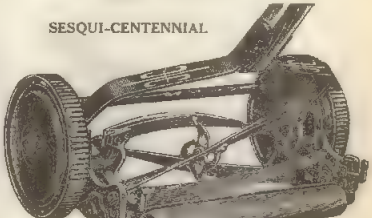
Staytite Handle—Hardwood. Adjustable Steel Clamps on Cross Bar

Finish Wheels Painted Robin's Egg Blue Hub Washer Red Cut Rims Gilt Tie Rod Side and Handle Irons Robin's Egg Blue with Red Striping Blades Cut Shear Brace Robin's Egg Blue with Red Striping Handle Natural Finish

COLOR SCHEME, Robin's Egg Blue—Gilt -Red

One in a box.

SESQUI-CENTENNIAL



Blades—4 Crucible Tool Steel, Hardened and Tempered

Gears—Internal One in Each Wheel

Bearings—High Grade Ball Bearings, Eccentric Screw Adjustment.

Wheels—8 Inch Diameter, Spoke Rim

Parts—Malleable and Cast, Accurately Machined to Insure Noiseless Service

Bottom Knife—Spring Steel, Hardened and Tempered

Handle—Hardwood, with a Mortised Cross Bar, Braced with Iron Rods

8 Inch Wheels. 4 Blades. Ball Bearing

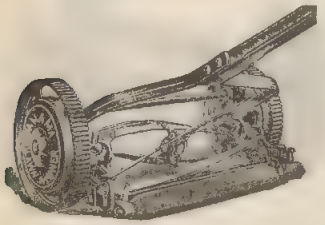
Height of Cut ½ to 1½ Inches. Will Cut Grass 3 Inches High

Finish—Dark Blue Cylinder and Frame, Striped with Gilt; Gold Wheel Striped with Blue

Width of Cut Inches	12	14	16
Each			

Pennsylvania Quality Lawn Mowers

PANAMA BRONZE BEARING



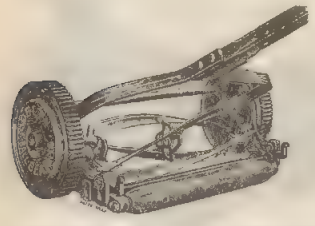
A High-grade, Low-priced Mower.

Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels, 10 Inches in Diameter—Spoked Rim. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Self-sharpening Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar

10-Inch Wheels. 5-Inch, Four-blade Cylinder

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	46	48	51

DELTA BALL BEARING



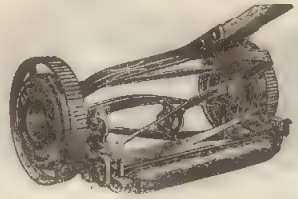
Ball Bearing Mower at a Low Price. Made to Withstand Hard Service.

Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Steel Ball Bearings. Wheels, 8 Inches. Spoked Rim. Accurately Machined Malleable and Cast Parts. Tempered Spring Steel, Self-sharpening Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar

8-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs	42	44	47	50

ELECTRA BRONZE BEARING

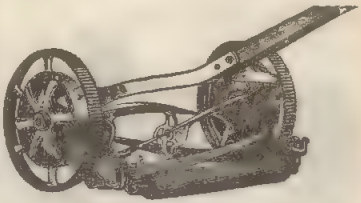


Four Crucible Tool Steel Blades, Hardened and Tempered Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels, 8-Inch Diameter. Spoked Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

8-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs		45	47	50

BELMONT BRONZE AND BALL BEARING



Finished in Aluminum and Gilt.

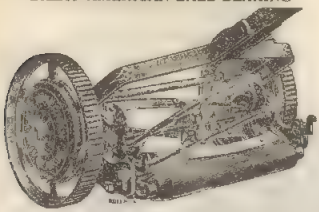
Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Steel Ball Bearings. Wheels, 9 Inches in Diameter. Reinforced Rims. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Clamps on Cross-Bar.

9-Inch Wheels. 5½-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight Boxed, Inc. Handle, Pounds	48	50	52
Net Each, Ball Bearing			
Net Each, Bronze Bearing			

Pennsylvania Quality Lawn Mowers

GREAT AMERICAN BALL BEARING



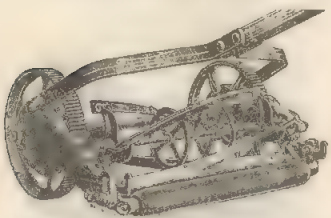
Five Crucible Tool Steel Blades, Oil Hardened and Water Tempered. Double Gears, One in Each Drive Wheel. Wheels, 10 Inches. Six Spokes. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Raised Edge, Self-sharpening. Perfectly Fitting Ball Cups and Cones. Height of Cut, ½ to 1¼ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

HIGH WHEEL

10-Inch Wheels. 6-Inch, Five-blade Cylinder

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc. Handle, Lbs.	65	67	71	76
List Price, Each	$30 00	34.00	38 00	42.00

CONTINENTAL PLAIN BEARING



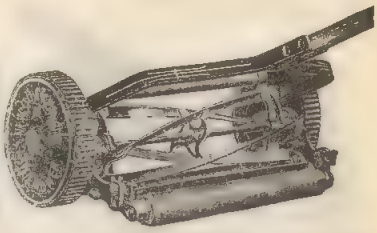
For High Grass and Rough Lawns. A Favorite with Railroads, Cemeteries, etc.

Four Crucible Tool Steel Blades, Oil Hardened and Water Tempered. A Triple Set of Gears on Each Side. Extra Length Wheel Base Wheels, 7½ Inches Closed. 9½ Inches Open Spokes. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Flat Pattern, Hardened and Tempered. Height of Cut, Adjustable ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

HIGH WHEEL

9½-Inch Wheels	6½-Inch, Four-blade Cylinder.			
Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc Handle, Lbs	68	72	76	82
List Price, Each	$30 00	34 00	38.00	42.00

QUAKER CITY PLAIN BEARING



A Favorite with Gardeners. Strong and Durable, Easy Operating.

Four Crucible Tool Steel Blades, Oil Hardened and Water Tempered. Double Gears, One in Each Wheel. Parallel Bearings, Accurately Machined. Wheels, 7 Inches. Accurately Machined Malleable and Cast Parts. Self-sharpening Bottom Knife. Height of Cut—½ to 1¾ inches. Hardwood Handles. Adjustable Steel Clamps on Cross-Bar.

7-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc Handles, Pounds	48	51	54
List Price, Each	$28.00	32.00	36 00

RED CLOUD BALL BEARING

Simple Construction. A Strong, Light Running Mower.

Four Crucible Tool Steel Blades, Hardened and Tempered internal Gears One in Each Wheel. Steel Ball Bearings. Wheels, 10 Inches Closed Center 6 Inch Spokes to Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Self-sharpening Bottom Knife. Height of Cut, ½ to 1¼ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar

HIGH WHEEL

10-Inch Wheels. 5½-Inch, Four-blade Cylinder.

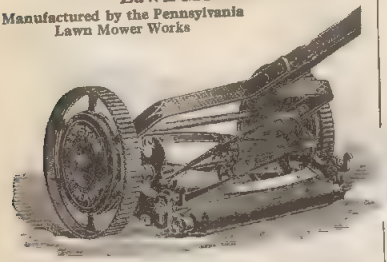
Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	50	52	54
Net Each			

10-Inch Wheels. 5½-Inch. Five-blade Cylinder

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handles, Pounds	50	52	54
Net Each			

The Famous Keystone Ball Bearing Lawn Mower

Manufactured by the Pennsylvania Lawn Mower Works



FIVE BLADES—Made of Oil Hardened and Water Tempered Crucible Tool Steel.
DOUBLE GEARS—Each Drive Wheel Contains One Hardened Tool Steel Cone and Cups. Highest Quality Extra Large Balls.
10-INCH WHEELS—Six Spokes. Has Solid Center Protecting Gears.
PARTS—These are Malleable and Cast, Accurately Machined to Insure Noiseless Service.
BOTTOM KNIFE—Made of Crucible Tool Steel. Raised Edges. Self-Sharpening.
HEIGHT OF CUT—¾ to 1¾ Inch. Will Cut Grass 6 Inches High.
HARDWOOD HANDLE—Has Iron Braces on Cross Bar.

Finished in Light Green and Gilt

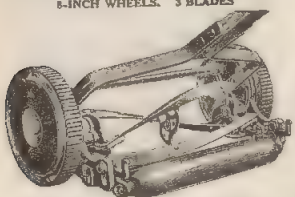
10-inch Wheels. 6-inch, Five-Blade Cylinder

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Including Handles, Pounds	65	67	71	76
List Price, Each	$30.00	34.00	38.00	42.00

Liberty Lawn Mowers

Manufactured by the Pennsylvania Lawn Mower Works

8-INCH WHEELS. 3 BLADES



Blades—Three Crucible Tool Steel, Hardened and Tempered.
Wheels—8 Inches Diameter. Solid Center.
Bottom Knife—Spring Steel, Hardened and Tempered.
Castings—Are Machined to Accurately Fit the Mower, Insuring Noiseless Action, Easy Pushing and Smooth Cutting. Broken or Worn Parts May Be Easily Replaced.

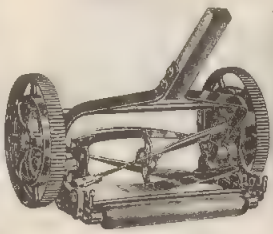
In Manufacturing the Majority of Low Priced Lawn Mowers no Thought is Given to the Quality of the Machine, the Object Simply Being to Make it Sell for a Cheap Price, with the Result You Have the Most Expensive Mower You Can Buy, as Usually They Last but a Few Weeks.

The "Liberty" is Different. It is Made of the Best Material and By Skilled Labor.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Including Handles, Pounds	43	45	48	51
Net, Each				

Pennsylvania Quality Lawn Mowers

ORCHID BALL BEARING



Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears One in Each Wheel. Steel Ball Bearings. Wheels—10 Inches in Diameter. Reinforced Rims. Accurately Machined and Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut, ¾ to 1¾ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

HIGH WHEEL

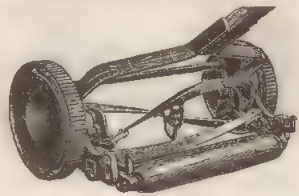
10-Inch Wheels. 5½-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc Handle, Pounds	50	54	58
Net Each			

New Westfield Lawn Mowers

Manufactured by the Pennsylvania Lawn Mower Works

8-INCH WHEELS. 3 Blades



Three Crucible Tool Steel, Hardened and Tempered. Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels 8-inch Diameter. Spoked Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut ¾ to 1¾ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

8-Inch Wheels 5-Inch, Three Blade Cylinder

Width of Cut, Inches	12	14	16	18
Weight Boxed, Including Handle, Lbs	43	45	48	51
Net, Each				

POPE-MADE BICYLES

THE "POPE-MADE" LINE of Bicycles have Several Outstanding Features Making for Unusual Strength and Durability. The Steering Head is Possibly Subjected to More Severe Strain than Any Other Part of the Frame. Unusual Strength is Secured at this Point by Means of a Spun Head Construction Eliminating Two Joints. The Main Frame Tubes are Cut to Correct Lengths and the Ends are "Spun" Directly into the Frame Head. The Hanger Bracket is "Drawn" by Special Process so as to Retain Correct Frame Alignment. The Pope One-Piece Hanger, Used Without Change for More than a Generation, is Still Used. All Bearings are Subjected to Rigid Inspection and so Treated as to Give Them the Greatest Wear-Resisting Qualities.

REX—RACER

This is a High-grade One-piece Hanger, Drop Forged Crown Racing Bicycle Furnished Only in the 21 Inch Frame Size with a 2⅞ Inch Drop at the Hanger. Tubing Westfield Analysis Steel. It Carries a Full Nickel Fork with Short Fork Sides, Special Design Racing Hubs, Front and Rear, Lawson Racing Bar, Fisk Cord Road Racing 1¾ Inch Tires, Troxel Track Racer Saddle, Star Racing Pedals, Natural Finish American Wood Rims, 6½ Inch One piece Cranks, and Duckworth Block Racing Chain with Recessed Rivets. It is Geared with 26 by 8 Tooth Sprockets.

FINISH—Pope Red Body and Head, Full Nickeled Forks.

MODEL 605 –REX..... Each

ORIENTAL—ARCHBAR

Provides an Excellent "Heavy Duty" Machine Because of the Extra Truss in the Frame Which Affords Extra Strength and Rigidity. Furnished Only in 21 inch Frame. Same in Construction, Design and Equipment as the Wm. Penn. Forged Crown Fork. Seamless Stem. Wide Drop side Guards, with Red Jewel Reflector on Rear. Wood Steel Armored Nickel Plated Rims. Rustproof Spokes. Cranks Pope "Heat Treated" One Piece 7 Inch. New Departure Coaster Brake. Black Rubber Grips. Federal Tires. No. 333 Extra Heavy Studded Tread with Three Plies Finest Quality Bicycle Fabric Under Treads. Troxel Saddle. Motorcycle Type Pedals.

FINISH—Pennant Blue with Black Head, Outlined in White Stripes.

MODEL 306—ORIENTAL..... Each

POPE-MADE BICYCLES

The Bicycles Shown on this Page are of the Same High Quality as Those Models Shown on Previous Page but Designed Along Slightly Different Lines so as to Meet the Demands of Those Desiring Something Different than the Regular Models.

RED CHIEFTAIN

Motobike

Built According to the Original Pope Motobike Design of Frame Construction, Carrying a Special Truss Fork with Drop-Forged Crown and Enameled Rods.

FRAME—21" Regular, Optional 19".
Pope Spun Head Construction, and Anti-Weave Hanger Bracket.

FORK—Special Motobike Truss.

GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear.

RIMS—New Wood Steel Armored Nickel Plated. Tubing of Westfield Analysis Steel. One Piece Crank. Wear Resisting Bearings, Superior Enamel and Nickel Finish.

SPOKES—Rust-proof Spokes Made of High Quality Acid Open Hearth, Rust-Resisting Stock

BRAKE—New Departure or Morrow Coaster Brake.

HANDLE BAR — Wide and Roomy Motobike Type.

GRIPS—Ebony Finish Black Rubber.

TIRES—Federal No. 333 Extra Heavy Studded Tread with Three Plies

SADDLE—Troxel Motobike.

PEDALS—New Model Motobike Type.

SPROCKET—26 and 10 Tooth.

STAND—Sturdy Stand that will Hold Both Wheel and Rider if Desired.

TOOLS—Universal Wrench and Brake Wrench

FINISH—Pope Red Body with Black Head. Outlined with Gold Hair-line Stripes.

Each

MODEL **205**—RED CHIEFTAIN.

PENNSYLVANIA JUNIOR

Boys' Juvenile

Upper Bar Dropped to Provide a 17" Height, 18" with 4" Upward Curve. Tubing of Westfield Analysis Steel Seamless Steel and Drop Plated Crown Guards of Special Weather Proof Drop Side Pattern with Flat Braces Riveted to Guards Rims, the New Wood Steel, Armored Nickel Plated, Rust-Proof Spokes Cranks Drop-forged Pope Heat treated One piece 5½" Crank, 22 and 10 tooth Sprockets, Chain, High-Grade 3/8" Roller This Model Carries a New Departure Coaster Brake Forward Extension Handle Bar Ebony Rubber Grips, Rims, 28 by 1¾" Juvenile Tires, Troxel Scout Saddle with Padded Top Coil Spring Front and Extension Rear Springs Motorcycle Type Pedals, Special Westfield Design Drop-Side Guards with Red Jewel Reflector on Rear Guard and High Grade Roller Chain Set of Wrenches.

FINISH—Pope Red Body with Black Head. Outlined with Gold Hairline Stripes.

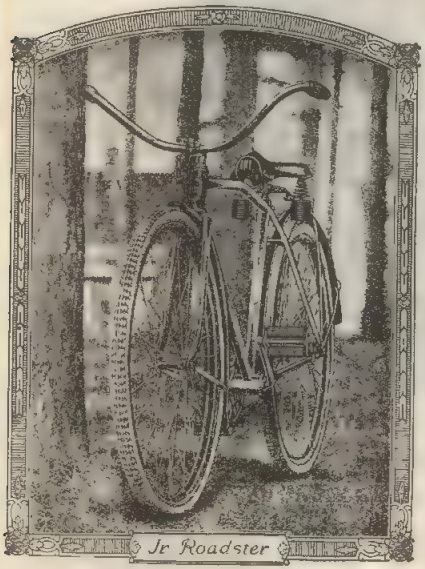
Each

MODEL 705—PENNSYLVANIA JUNIOR . . . . . .

"SNAPPY BOY" JUNIOR ROADSTER POPE MADE BICYCLE

The Most Popular Boys' Model on the Market

The Snappy Boy Junior Roadster Bicycle was Designed Especially for the Youth —it is Suitable for the Boy at the "in between" Age for whom a Regular Adult Model would be too large and a Boys' Juvenile too small. It is Extremely Popular for this reason and because it combines the Racy Appearance of the Motorbike with the Proven Construction Principle of the Roadster Model.



FRAME—19" Drop Bar.
FORK—Forged Crown.
GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear.
RIMS—Standard Wood Rims, Enameled to Match Frame.
SPOKES—Rust-proof.
BRAKE—New Departure Coaster Brake.
HANDLE BAR—Wide, Comfortable Standard Bar.
GRIPS—Ebony Finish Black Rubber.
TIRES—1925 Federal, Traffik Tread. Guaranteed.
SADDLE—Troxel Motorbike Type.
PEDALS—New Model Motorbike Type.
TOOLS—Universal Wrench and Brake Wrench.
FINISH—Pennant Blue with Black Head. Outlined in White Stripes.

Each

Model 405 Snappy Boy . . . . . .

One in a crate.

POPE-MADE BICYCLES

This Value in Ladies' Bicycles Is Hard to Beat

This Page Illustrates our Line of Ladies' and Girls' Bicycles. They are of the Same High Quality as the Misses' Models Shown on Previous Pages. They are Perfectly Balanced, Pleasing in Style Lines and Designed to Afford the Rider Every Convenience.

ARISTOCRAT

LADIES'

FRAME—20" Double Loop.

FORK—Forged Crown.

GUARDS—Special Design Drop Side Front and Rear, with a Nutted Skirt Guard Lacing. Brilliant Red Jewel Reflector on Rear.

RIMS—Standard Wood Rims Enameled to Match Frame.

SPOKES—Rust-proof Type.

BRAKE—New Departure Coaster Brake.

HANDLE BAR—Ladies' Type.

GRIPS—3½" Ebony Rubber.

TIRES—Federal, Traffik Tread. Guaranteed.

SADDLE—Troxel Ladies, Best Quality.

PEDALS—Motobike Type with 3½" Rubber Treads.

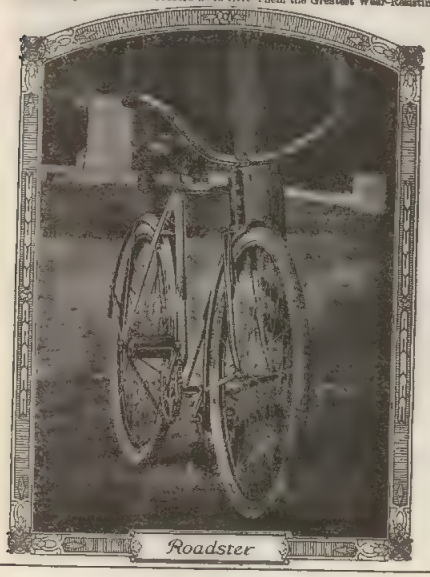
TOOLS—Universal Wrench and Brake Wrench.

FINISH—Pennant Blue Body with Fancy Black Head. Outlined in White Stripes.

MODEL 508—ARISTOCRAT.....

POPE-MADE BICYCLES

The "Pope-made" Line of Bicycles have Several Outstanding Features Making for Unusual Strength and Durability. The Steering Head is Possibly Subjected to More Severe Stram than Any Other Part of the Frame. Unusual Strength is Secured at this Point by Means of a Spun Head Construction Eliminating Two Joints. The Main Frame Tubes are Cut to Correct Lengths and the Ends are "Spun" Directly into the Frame Head. The Hanger Bracket is "Drawn" by Special Process so as to Retain Correct Frame Alignment. The Pope One-piece Hanger, Used Without Change for More than a Generation is Still Used. All Bearings are Subjected to Rigid Inspection and so Treated as to Give Them the Greatest Wear-Resisting Qualities.



Roadster

WILLIAM PENN

Roadster

FRAME—22".

FORK—Forged Crown.

GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear.

RIMS—Standard Wood Rims, Enameled to Match Frame.

SPOKES—Rustproof Spokes with a Tensile Strength of 160,000 Lbs. to the Square Inch.

BRAKE—New Departure Coaster Brake.

HANDLE BAR—Wide Roomy Standard Bars.

GRIPS—Ebony Finish Black Rubber.

TIRES—1925 Federal, Traffik Tread. Guaranteed.

SADDLE—Troxel No. MB2.

PEDALS—New Model Motorcycle Type.

TOOLS—Universal Wrench and Brake Wrench.

FINISH—Pope Red Body with Black Head. Outlined with Gold Hair-line Stripes.

Each

MODEL **105**—WM. PENN.....

GREAT AMERICAN

Girls' Juvenile

A Small Model of the Ladies' Bicycle. This Model Carries the Same High-grade Construction and Similar High-grade Equipment. It is Supplied with Drop-side Guards, Front and Rear, with Netted Skirt Guard Lacing and Red Jewel Reflector. New Departure Coaster Brake, Girls' Design Handle Bar with Ebony Finish Grips. 3 ¼ Inch Rubber Pedals and Strong Roller Chain.

FINISH—Pennant Blue Body with Fancy Black Head. Outlined in White Stripes.

Each

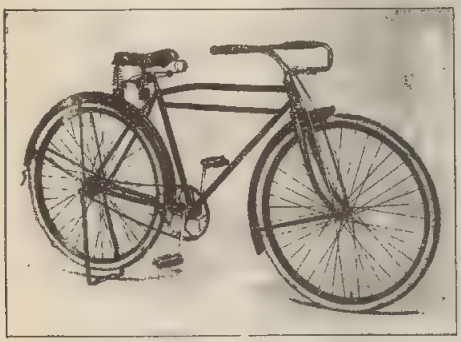
MODEL **805**—GREAT AMERICAN .....

Girls' Juvenile

BICYCLES

MOTORBIKE MODEL

To Anyone Desiring a Wheel of the Motorbike Type, We Strongly Recommend Our Model 250 Franklin. Unusually Attractive Design Coupled with an Unsurpassed Rugged Strength Places These Wheels in a Class by Themselves. The Upper Bar is of the Drop Frame Type, While the Lower Bar is Straight, Thus Producing a Brace Which Gives Exceptional Strength and Great Rigidity to the Frame Itself. Double Fork Crown Construction, Recognized as Giving a Greater Bearing Surface to the Legs of the Fork and Making for Strength. Besides, These are Thoroughly Trussed by Two Rods Extending from the Front Hub to the Handle Bar Column and Thoroughly Strengthening the Forks. Equipped Throughout with the Finest Accessories, These Wheels are in a Class by Themselves as Regards Beauty, Strength, Comfort and Easy-Riding Qualities.



FRANKLIN

SPECIFICATIONS

FRAME—Motorbike 20/18 Inch Drop Frame.
FORK—Trussed Motorbike Type with Double Crown. Nickel-plated Crown.
FINISH—Four Coats High Grade Enamel, Hand Rubbed.
HANDLE BARS—Motor-bike Bar.
GRIPS—Corrugated Long Rubber Motorbike Grips.
SADDLE—Troxel Motorbike Saddle.
PEDALS—Rubber Pedals.
CHAIN—High Grade Roller Chain.
BRAKE—New Departure Coaster Brake.
RIMS—Steel, Aluminum Finish.
TIRES—*Guaranteed* Studded Tread Tires, Red Treads, White Side Walls.
STAND—Black Folding Stand with Clip.
MUDGUARDS—Front, Heavy Dropside Rear, Heavy Dropside with Stand Latch. Braced Front and Rear.
COLOR—Indian Red Enamel. Striped in Gold

Model **250** FRANKLIN .

CAMEL BACK MODEL

An Exceedingly High Grade Bicycle of the Single Bar Type, Light and Racey, Thoroughly First Class Materials Used Throughout. The Dip in Top Frame Bar Permits Wide Adjustment in Seat Post, Takes the Place of 20, 22 or 24 Inch Diamond Frames, Thus Allowing All Needs to be Supplied with the One Size of Wheel. This Wheel Must be Seen to be fully Appreciated. Light, Strong, Attractive and with Unusually Easy-riding Qualities.

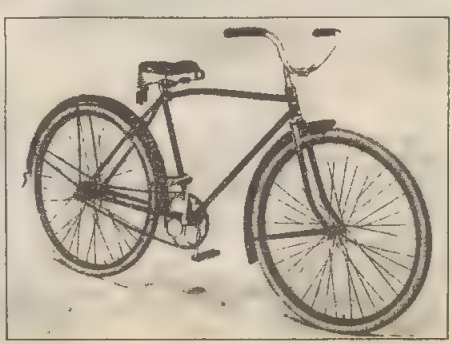
CONTINENTAL

SPECIFICATIONS

FRAME—Single Bar, 20 18 Inch Drop Frame.
FORK—Extra Heavy with Double Nickel-plated Crown.
FINISH—Four Coats of High Grade Enamel, Hand Rubbed.
HANDLE BARS—No. 5 Fatman Bar with No. 10 Forward Extension Stem.
GRIPS—Corrugated Long Rubber Motorbike Grips.
SADDLE—Troxel Motorbike Saddle.
PEDALS—Rubber Pedals.
CHAIN—High Grade Roller Chain.
BRAKE—New Departure Coaster Brake.
RIMS—Steel, Aluminum Finish.
TIRES—*Guaranteed* Studded Tread Tires, Red Treads, White Side Walls.
MUDGUARDS—Front and Rear, Dropside Mud Guards, Braced at Both Front and Rear. Stand Latch at Rear.
COLOR—Peacock Blue. Striped in Gold.

Each

Model 450—CONTINENTAL



FLOOR SCRAPER "Stearns"

Scraper is Intended for Use on Large Surfaces. Knife, which is 6 Ins. Wide, Sweeps Floor when the Machine is Drawn toward Operator, and Will therefore Work up to Wall and into Corners. Adjustable Pivot Allowed in Socket which, together with Universal Joint at Handle, Permits Various Positions of Scraper Knife. Floor Scraper is Furnished with 8 Inch Wheels as Here Shown, or 10 Inch Wheels as Desired.

Rubber Tired as Above. Length of Handle and Frame, 32½ Ins. Each

*No. 10—Finished in Aluminum. One in a case; weight about 135 lbs. *For Shipment from Factory Only

MITRE BOX Miller Falls

Open Front Style. Made Entirely of Steel. Very Simple in Design, Has But Few Parts and Adjustments are Easily Made. Can be Used with Either Back or Panel Saw. Saw Guide Adjustable for Any Saw Set with Device for Squaring with Base and Back. Degree Arm Notched for All Positive Angles. Frame Japanned Black, Saw Guide Enameled Red—Nickeled Trimmings ..... Each

No. 110

One in a Wood Box.

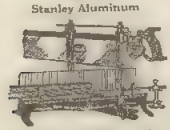
STANLEY With Disston Back Saws

Cast Iron frame. Painted green. Steel end saw guides. Adjustable to saw at any angle from 90° to 90 degrees.

No.	Saw Size Ins	Width of Right and Angle	Weight Lb	Each
With Saw				
244	24x4	8¾ Ins	28	
358	28x4	9 9/16 Ins.	32	

One in a box

Stanley Aluminum

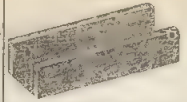


Parts Made of Aluminum Making a Lighter Box and One that will not Rust. Has a Right Angle Capacity of 6¼ Inches. Mitre Capacity, (45 Degrees) of 6¼ Inches, and Without Stock Guides, (90 Degrees) a Capacity of 4¼ Inches. A 28 x 5 Back Saw is Furnished with Each Box. Each

No. A358

One in a box, weight each about 15 lbs.

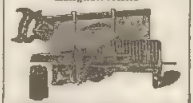
MITRE BOXES Beaswood



Made of Beaswood, nicely finished. Notched to permit saw to cut at angle of 45 or 90 degrees.

No.	Length Ins	Width Ins	Width Handle Ins	Per Doz.
100	12	2½	3½	
200	18	3½	3½	

Langdon Acme



Cast Iron Frame, Painted Brown. Malleable Iron Legs. All Bronze Parts Nickel Plated. Cast Steel Saw Can be Secured at Any Angle. Supports or Guides have Length Guide for Duplicate Lengths. Metal Index Plate with Degrees Marked. Extension Posts to Give Greater Width Saw at any Angle from 7¾ to 90 Degrees.

With Adjustable Guides and Disston Back Saw

Nos.	72	73	74
Size Saw Ins.	24x4	26x4	28x4
Length of Frame, Ins.	19	19¾	19¾
Width of Cut, at Right Angles, Ins	10¾	10¾	10¾
Width of Cut, at 45 Degree Mitre, Ins.	7	7	7
Weight Each Box, Lbs.	40	40	40

Each, with Saw

Stanley Victor

Adjustable Saw Guides for Either Back or Panel Saw. Jack Frame, Indexed Guides and Swivel Arm Bearing in One Piece. Quadrant Indexed for Cutting 4, 6, 8 Sided and 24-sided Pieces. Swivel Arm can be Locked at any Point Between Zero and 45 Degrees. Mitre Slot is Accurately Centered. Length, 18 Ins. Width, 4 Ins. Capacity at Right Angle, 7¼ Ins. Capacity at Mitre, 45 Degrees. Each

No. 60 Set Flat-Faced Saw Guides. With Saw.

One in a box

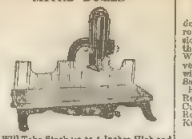
Genuine Perfection

Takes Hand, Panel or Back Saw. Japanned Malleable Iron Frame. Polished Cast Steel Post. Varnished Inlaid Hardwood Base. Made of Inch Grooved Strips Glued and Grooved and Dowel Together. Sliding Arm Has Guide at Any Desired Angle. Saw Set at Any Angle from 0 to 45 Degrees. Dovetailed at 0, 22½, 30, 36 and 45 Degrees Without Saw. Base, 16 Inches Long, 6 Inches Wide, 4 Inches High. Each

No. P

Six dozen in a box. Weight about 35 lbs

MITRE BOXES



Will Take Stock up to 4 Inches High and the Upper Front Allows Boards of Extra Width to be Sawed at any Angle Between 45 and 90 Degrees. Swivel Arm can be Locked at any Angle. Saw Guide Adjustable to any Degree of Saw Corrugated Back. Each

No. 150—Without Saw

One in a Box. Weight Each 17 Lbs.

STANLEY FANCY PLANES

Adjustable Beading Matching and Rabbet

Nickel Plated Frames, Rosewood Handle and Knob.

Fine Saves a Beading and Center Beading, Rabbet and Fillister. Has 7 Irons, Matching Screwdriver Shaving and Depth Plane. Has Seven Beading Tools for ⅛, ¼, ⅜, ½, ⅝ and ¾ In. Has Plow and Dado Irons for ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞ and 1 In. Has Slitting Blade, a Sash Tool and Tonguing Tool. Length 11 Ins. Twenty-one Cutter

Each

No. 45

Wt. each about 9¼ Lbs. One in a box

Traut's Adjustable Dado Fillet ster Plow, etc.

Nickel Plated Frames, Rosewood Handle and Knobs.

Complete with Sight Plow and Dado Bits ⅛, ¼, ⅜, ½, ⅝, ¾, and 1¼ In. A Fillister Cutter, a Tonguing Tool and Slitting Tool. Length, 10½ Ins. Eleven Cutters.

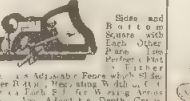
Each

No. 46

Weight each about 5½ lbs. One in a box

Note—Nos. 45 and 46 combine main stock. Sliding Sector so Arranged that Cutters of Different Widths Can be Used. Plane is Fitted with Adjustable Fence or Guide and Depth Gauge. Has Spurs for Use in Working Across Grain. Used Right or Left.

Stanley Rabbet and Fillet ster



Sides and Bottom Square with Each Other. Fence Has Perforated Slot. Fitted with Adjustable Fence which Slides Either Right or Left, Regulating Width of Cut. Spur on Each Side for Working Across Grain. Use Adjustable Depth Gauge for Use for Right or Left Hand Work. Front Part Turns Downward. Thus Rabbet Plane is Obtained. Cutter Adjustable to Maximum Length 8¾ Ins. Cutter 1¾ Ins. Wide

Each

No. 278

Wt. about 2 lbs

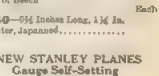
STANLEY SCRUB PLANE

For Planing Down to a Rough Dimension any Board that is too Wide to Conveniently Rip with a Hand Saw, an Operation that is Sometimes called "Hogging". This is Made Possible by Reason of the Shape of the Extra Heavy Cutter, the Cutting Edge of Which is Round instead of Square. Handle and Knob of Beech

Each

No. 40—6¾ Inches Long, 1¾ In. Cutter, Japanned.....

NEW STANLEY PLANES Gauge Self-Setting Smooth Bottom



Iron Body, Steel Plane Cap with Cast Iron Lever Cap Fitted to Plane Bottom and Screwed On. Embraces Screw Adjustment of Cutter. Cutter can be Returned to its Exact Former Position when Removed for Sharpening. Beechwood Knob and Handle

Nos.	Type	Lgth Ins	Cutter Ins	Each
C3	Smooth	8¼	1¾	
C4	Smooth	9	2	
C5	Jack	14	2	
C6	Fore	18	2¼	
C7	Jointer	22	2¼	

One in a box

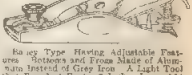
Steel Planes

Bailey Type Smooth Bottom Steel Sole Polished Malleable Iron Frog and Lever Cap. Selected Rosewood Knob and Handle

Nos.	Type	Lgth Ins	Cutter Ins	Each
54	Smooth	9	2	
55	Jack	14	2	

One in a box

ALUMINUM PLANES Stanley Block



Bailey Type Having Adjustable Features. Bottom and Frog Made of Aluminum Instead of Grey Iron. A Light Tool that Will Not Rust. 6 Inches Long 1¾ Ins. Cutter Each

No. A18

One in a box

BENCH Stanley

Bailey Type with Adjustable Frogs and Cutters. Bottoms and Frogs of Aluminum. Light Weight—Will Not Rust. Rosewood Handles and Knobs.

Nos.	Type	Length, Ins	Cutter	Each
A6	Smooth	9	2 Ins.	
A5	Jack	14	2 Ins	
A8	Fore	18	2¼ Ins	

PLANES

STANLEY 4-SQUARE HOUSEHOLD JACK

Hardwood Handle and Knob, Dull Black Sides Dull Brass. Cutter Adjustable Endwise and Sidewise. Length 11 Inches Center 1¾ Inches.

Each

No. Four Square Jack. .....
One in a Box

HOUSEHOLD BLOCK

Lever Cap and Sides Dull Black. Cutter Screw Adjustment Lever Screw, Lever Cam, Adjusting Wheel and Screw, Nickel Plated Length 6½ Inches. Center 1⅝ Inches

Each

No. Four Square Block ... ..
One in a Box.

STANLEY BED ROCK PLANES
Iron Adjustable

Japanned Iron Steel Frame, Varnished Rosewood Handle and Knob Polished Steel Cap. Brass Adjusting Screw Screw and Lever Adjustment Tempered Ground and Polished Tool Steel Cutter Adapted to Hard and Soft Wood by the Turning of the Screw. Corrugated Bottom.

No.	Type	Length	Cutter	Each
605	Jack	14 In.	2 In.	
605½	Jack	15 In	2⅛In.	
606	Fore	18 In.	2⅝In.	
607	Jointer	22 In.	2⅝In.	
608	Jointer	24 In.	2⅝In.	

One in a Box.

IRON ADJUSTABLE
Corrugated Bottom

Japanned Iron Steel Frame Varnished Rosewood Handle and Knob Polished Steel Cap Brass Adjusting Screw Screw and Lever Adjustment Tempered Ground and Polished Tool Steel Cutter A Turn of the Screw Adapts the Plane to Hard or Soft Wood

No	Type	Length	Cutter	Each
605C	Jack	14 In.	2 In.	
605½CJack		15 In.	2⅛ In.	
606C	Fore	18 In.	2⅝ In.	
607C	Jointer	22 In.	2⅝ In.	
608C	Jointer	24 In.	2⅝ In.	

One in a Box.

BAILEY'S ADJUSTABLE REGULAR BLOCK
Improved Throat Adjustment

Cast Iron Body and Cap, Machined and Polished Face and Sides Japanned Inside Brass Adjusting Screw Tool Steel Cutters Tempered, Ground and Polished.

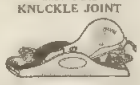
Japanned Trimmings Each

No. 9½—Length 6 In Cut 1⅝In
No. 15—Length 7 In Cut 1⅝In

Nickel Plated Trimmings

No. 16—Length 6 In Cut 1⅝ In
No. 17—Length 7 In Cut 1⅝In
One in a Box

KNUCKLE JOINT

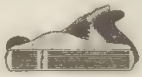


Nickel Plated Trimmings. Brass Adjusting Nuts.

Each

No. 18—Length 6 In Cut 1⅝In
No. 19—Length 7 In Cut 1⅝In
One in a Box.

Iron—Smooth, Corrugated Bottom



Japanned Cast Iron Frame, Varnished Rosewood Handle and Knob. Tempered and Polished Tool Steel Cutter, Screw and Lever Adjustment. Brass Screw

Nos.	Length	Cutter	Weight	Each
3C	8 In.	1¾ In.	2¾ Lbs.	
4C	9 In	2 In	3¾ Lbs.	
4½C	10 In.	2⅛ In	4¾ Lbs.	

One in a Box

Japanned Cast Iron Frame, Varnished Rosewood Handle and Knob. Polished Steel Cap. Tempered and Polished Tool Steel Cutter Screw and Lever Adjustment Brass Screw.

Nos.	Type	Length	Cutter	Each
5	Jack	14 In	2 In.	
5½	Jack	18 In.	2⅛ In.	
6	Fore	18 In	2⅝ In	
7	Jointer	22 In	2⅝ In	
8	Jointer	24 in	2⅝ in	

One in a Box

IRON ADJUSTABLE PLANE

Japanned Cast Iron Frame, Varnished Rosewood Handle and Knob Polished Steel Cap Tempered and Polished Tool Steel Cutter Screw and Lever Adjustment Brass Screw

No.	Type	Length	Cutter	Each
5C	Jack	14 In.	2 In.	
5½C	Jack	15 In.	2⅛ In.	
6C	Fore	18 In.	2⅝ In	
7C	Jointer	22 In	2⅝ In.	
8C	Jointer	24 In	2⅝ In	

One in a Box.

BAILEY'S ADJUSTABLE LOW ANGLE BLOCK

Cast Iron Body and Cap Varnished and Polished Face and Side. Japanned Inside Brass Adjusting Screws. Tool Steel Cutters Tempered, Ground and Polished. Throat Can be Quickly Opened or Closed for Coarse or Fine Work.

Japanned Trimmings Each

No. 60½—Length 6 In Cut. 1⅝ In.
No. 65 — ength 7 In Cut. 1⅝ an

Nickel Plated Trimmings

No. 60 Length 6 In Cut 1⅝ In
No. 65—Length 7 In Cut 1⅝ In
One in a Box.

WOOD BOTTOM
Handled Smooth

Japanned Cast Iron Frame, Varnished Handle and Knob Tempered and Polished Tool Steel Cutter

No.	Type	Length	Cutter	Each
60	Jack	18 In.	2 In.	
62½	Jack	18 In	2⅛ In.	
62	Fore	18 In	2⅝ In	

One in a Box

Handled Smooth

Japanned Cast Iron Frame. Varnished Handle and Knob Tempered and Polished Steel Tool Cutter.

Each

No. 35—Length 9 In Cut. 2 In.
No. 36—Length 10 In. Cut. 2⅝ In .. ..
One in a Box

STANLEY BLOCK
Edge Trimming

For Trimming or Smoothing Edges of Boards for a Square of Close Fit. Works on a Skew.

Length 6 Inches. ⅝ Inch Cutter Japanned.

Each

No. 95 .....
Weight Each 1¾ Lbs.

GAGE SELF-SETTING PLANES
Stanley

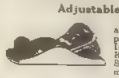
With Corrugated Bottom

Iron Body, Bottom Corrugated. Steel Plane Can with Cast Iron Top. Peg Fitted to Plane Bottom and Screwed On Endwise Screw Adjustment of Cutter. Cutter can be Returned to its Exact Former Position when Removed for Sharpening. Beechwood Knob and Handle.

Nos	Type	Length	Cutter	Each
G4C	Smooth	9 Ins.	2 Ins.	
G5C	Jack	15 Ins.	2 Ins	
G8C	Fore	18 Ins.	2⅜ Ins	

One in a Box

STANLEY BLOCK PLANES
Adjustable



Ground Face and Sides Japanned Cap and Inside. Bead Knob. With Screw Adjustment

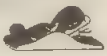
Each

No. 220—Length 7 Ins. Cut 1⅝ Ins.. .. ..
One in a box; weight 1¾ lbs

Non-Adjustable

Each

No. 110 ... ..
In. Cut ... In ..
One in a box; Weight, 1¾ lbs.



Adjustable

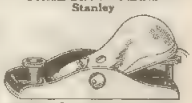
Each

No. 120—Length 7 Ins. Cut 1⅝ In ..
One in a box, weight 1¾ lbs

Without Iron ...
Top Side, 24 in ...
Cap and Sides Ground Face. S... Adjustable.

No. 101—Length 3½Ins., Cut. 1 In., Wt ¾ Lb ... .
Half dozen in a box

STEEL BLOCK PLANE
Stanley



Similar to Regular No 17 Block Plane, but Bottom and Adjustable Front, are Made of Steel instead of Grey Iron. Steel Lever or Cap of "Knock-in-Joint" Type.

Each

No. S18—6 Inches Long, 1½ Inch Cutter .....

Non Adjustable

Cast Iron Body and Cap, Machined and Polished Face, Japanned Inside Tool Steel Cutters Tempered, Ground and Polished.

Each

No. 102—Length 6¼ Ins. Cut 1⅝ Ins Wt., ¾ Lb. ..
No. 110—Length, 7 Ins. Cut, 1⅝ Ins. Wt., 1⅝ Lbs ....
One in a box.

PLANES

BENCH PLANES

Smooth

Cast Iron, Nickel Plated Steel Sides, Rosewood Knobs, Assorted Size Cutters, 1¾ In. Wide

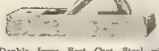
1¾, 1¾, 2, 2¼, 2¾, 2¾ and 2¾ Inches Long

Each

No. W3 .....

Weight per dozen, about 21½ lbs

Jack



Double Irons, Best Cast Steel with Lignum Vitae Stock. Assorted Cutters 1¾, 2, 2¼ and 2¾ In.

Each

No. W13 .....

Weight per dozen, about 45½ lbs.

Side Bead

For Cutting Bead on Wainscoting or Other Work

No. 47—Side Bead, Single Bead.

Width,	Each	Width,	Each
Cutter, Ins.		Cutter, Ins.	
⅛		⅜	
¼		½	
		⅝	
		¾	

Average weight about ¼ lb. Wrapped in paper.

Board Matching Planes in Pairs

Plane Plows Groove and Slide Plates Separate.

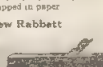
No. 90—Cutter, 5/16, 7/16, 9/16 and 11/16 In. Wide. 9½ Inches Long.

Average weight per pair, 2½ lbs

Wrapped in paper

Skew Rabbett

Used for Rabbetting Ends or Across Grain of Work, to Square Out Tight Joint



No. 146

Length Ins.	Width Cutter Ins.	Wt. Each Lbs.	Each
9	¾	¾	
9	1	¾	
7	1¼	¾	
7	1½	¾	
10	1	1	
10	1¼	1	
10	1½	1	

Wrapped in paper

"BUDDY" HOUSEHOLD PLANE

Three Piece Construction

Sixteen Gauge Steel Body, Stamped Steel Handle, Size Blade, Size 6½ Inches Long by 1¾ Inches Wide. Black Japanned Finish with Polished Planing Surface and Back. Very Special Per Doz.

No. NC583

One Dozen in a Box. One Gross in Shipping Carton

Weight Per Dozen About 7¼ Lbs

BAILEY'S ADJUSTABLE PLANES

Japanned Cast Iron Frame, Varnished Rosewood Handle and Knobs, Polished Steel Cap, Tempered and Polished Two Steel Cutters, Screw and Lever Adjustment, Brass Screw

Iron

Nos.	Length Ins.	Cut, Ins.	Weight Lbs	Each
2	7	1⅝	2¼	
3	8	1⅝	2½	
4	9	2⅜	3¾	
4½	10	2⅜	4¼	

One in a box

Wood Bottom

Japanned Cast Iron Frame, Varnished Handles and Knobs, Tempered and Polished Two Steel Cutters

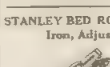
Handled Smooth.

Length Ins.	Cut, Ins.	Weight Lbs	Each
22	1⅝	7½	
24	2	8¼	

One in a box

STANLEY BED ROCK PLANES

Iron, Adjustable



Japanned Iron Steel Frame, Polished Rosewood Handle and Knobs, Adjustable Throat Adjustment, Screw and Lever Adjustment, Tempered, Ground, and Polished Two Steel Cutters. Combine Utmost Solidity and Rigidity with Wide Range of Adjustment. Surfaces are so Machined to Fit Perfectly, Making it Solid. Frog is Machine Faced, Bottom Rests Solidly on Seat, Formed in One Piece. Sole is Slotted to Guide Removable Plane Sides, which Guide Give Accuracy of Adjustment to Frog, and Prevent Possibility of Its Wobbling. By a Turn of a Screw, Plane is Adapted to Hard or Soft Wood.

Smooth Plain Bottom

Nos.	Length Ins.	Cut Ins.	Weight Lbs	Each
602	7	1⅝	3¼	
603	8	1⅝	3½	
604	9	2	3¾	
604½	10	2⅜	4¾	

One in a box

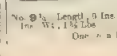
Corrugated Bottom

Nos.	Length Ins.	Cut, Ins.	Weight Lbs.	Each
604C	9	2	3¾	

One in a box.

BAILEY'S ADJUSTABLE BLOCK PLANES

Rosewood Handle



Japanned Cap, Brass Adjusting Nuts, Rosewood Handle Knob.

No. 9½ Length, 6 Ins., Cut 1⅝ Ins. Wt., 1¾ Lbs. Each

One in a box

Non-Adjustable Double End

Two Skew and Two Cutter Seats, Cutter Seat and Skew Seat Open to the Other

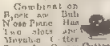
Try Block Plane Work, other Slot and Seat Used when Desired to Work Same as Block Nose Plane. Handle and Knob of Rosewood. Length 9 Inches, Weight 1¾ Lbs.

Each

No. 130 Japanned

One in a box

Adjustable Double End



Combination Block and Bull Nose Plane. Has Two Slots and Seat for Cutter. Weighs 1¾ Lbs. Plane Work. For Use as Bull Nose Plane Remove Cap and Cutter, Reverse Cutter Seat by Throwing Over Adjusting Wheel. See Extra Long in Cut). Replace the Cap and Cutter in New Position. Has Handy Feature of Recessed Knob and Cutter Adjustable Endways.

Each

No. 131—Length, 8 Ins.; Cut, 1⅝ Ins., Wt., 1¾ Lbs.

One in a box

Plow Bending and Matching

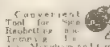
Used for ordinary Bending or Cutting Grooves. By Varying Position of Fence, Grooves Can Be Located Close to Edge or Near Center of Board. Handles Long Stock Easily. Has Adjustable Depth Gauge. Cutters 5/16, 7/16, 9/16 and 11/16 In. Wide. Can Be Used in Matched Pairs.

Each

No. 50—Nickel Plated. Length 9¾ Ins.

Weight about 3½ lbs

Side Rabbet



Convenient Tool for Rabbetting Ends. Irregular Projections and Grooves Prevent Plane Slipping. Reversible Nose Piece Gives Tool Form by which It Will Work Close Up into Corners.

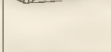
Each

No. 88—Right Hand. 4 Ins. Long. 1¼ In. Cutter.

No. 89 Left Hand. 4 Ins. Long. 1¼ In. Cutter.

One in a box. Weight 1½ lb.

Bull Nose Rabbet



Each

No. 75—4 Ins. Long. 1 In. Cutter. Weight 1½ lb.

One in a box

STANLEY FANCY PLANE

Double End Match

Nickel Plated Frame, Handle and Cap, Nickel Plated Cast Iron Frame, Handle and Cap. Tempered and Polished Tool Steel Cutters. Cuts Both Tongue and Groove. Length 9 Inches. Centers on Tongue and Groove 2¼ In. on ⅝ to 1 In. Boards.

Each

No. 148

Weight Each About 2½ Lbs

One in a box

Adjustable Tongue and Groove

Nickel Plated Stock and Rosewood Knob

For ⅜ to 1¼ In. Boards. Cuts ¼ In. Groove. Weight 2½ Lbs

Each

No. 48

For ½ to ¾ In. Boards. Cuts ¼ In. Groove

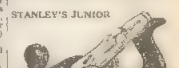
Each

No. 49

One in a box

Weight each, about 2½ lbs.

STANLEY JUNIOR



Designed for Manual Training Work

Cast Iron, Japanned with Polished Sides and Bottom, Rosewood Handle and Knob. Length, 11¼ Ins. 1¾ In. Cutter

Each

No. 5¼—Smooth Bottom ...

No. 5¼C—Corrugated Bottom

Adjustable Bull Nose Rabbet

In Design of Fine Cast Iron, Nickel Plated Bottom, Bridge Square with Top and Plane with Side Plate. Perfectly Flat on Either Side. Can Be Used Right or Left.

Each

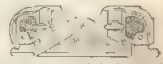
No. 90—4 In. Long, 1 In. Cutter

No. 90EC—Extra Cutters...

One in a Box

RABBET

Stanley



Convenient for Side Rabbeting and for Forming Mouldings and Grooves of All Sorts. Constructed for Either Right or Left Hand Use. Reversible Nose Piece Gives the Tool a Form Whereby It Will Work Close-up into Corners if so Desired. Nickel Plated. 5½ Inches Long, ½ Inch Cutter.

Each

No. 79

One in a box

Circular

By Means of Graduated Steel Gears, Face Can Be Accurately Set to Work and Arc of Plane Circle. Both Concave and Convex by Turning the Knob on the Front of the Plane. Cast Iron Frames, Caps and Handles. Tempered and Polished Steel Cutters. Polished Spring Steel Bottom. Screw and Lever Adjustments for Concave or Convex Surfaces.

Each

No. 113—Japanned, 10 Ins. Long, 1¾ In. Cut...

One in a box

STANLEY TOOL ASSORTMENTS With Display Stand

PLANES

Assortment of One Half Dozen Stanley Planes with One Each of Three Sizes of Stained Display Stands

Planes Contained in the Assortment are as Follows

1 No. 3—Bailey Smooth Adj. Iron Plane
1—No. 4—Bailey Smooth Adj. Iron Plane
1—No. 5—Bailey Adj. Iron Jack Plane
1—No. 18—Bailey Adj. Block Plane.
1—No. 130—Stanley Block Plane.
1—No. 120—Stanley Adj. Block Plane

Per Assortment

No. T. . .

Assortment of One Dozen Stanley Planes and Two Each of Three Sizes of Stained Wood Display Stands

Planes Contained in the Assortment are as Follows

1 No. 3—Bailey Smooth Adj. Iron Plane
1—No. 4—Bailey Smooth Adj. Iron Plane
1—No. 5—Bailey Adj. Iron Jack Plane
1—No. 5½—Stanley Adj. Iron Jack Plane
1—No. 64—Cage Rem. with Adj. Iron Plane
2—No. 65—Cage Adj. Iron Jack Plane
1—No. 604—Bed Rock Smooth Adj. Iron Plane
1—No. 18—Bailey No. 18 Block Plane
1—No. 68—Stanley Adj. Block Plane
1—No. 110—Stanley Block Plane
1—No. 220—Stanley Adj. Block Plane
1—No. 78—Stanley Iron Rabbet Plane

Per Assortment

No. W

Stanley Four-Square Household Tool Assortments

2 only Hammers.	½ dozen Auger Bits 10-16.
½ dozen Zig Zag Rules.	½ dozen Auger Bits 12-16.
½ dozen Screw Drivers 2½-inch	1 only Vise.
½ dozen " " 2½-inch	1 only Jack Plane.
1 only Saw.	1 only Block Plane.
½ dozen Pliers.	2 only Chisels ½-inch.
1 only Pry Bar.	2 only " ½-inch.
1 only Axe.	½ dozen Mill Files.
1 only Bit Brace.	½ dozen Taper Files.
½ dozen Auger Bits 6-16.	
½ dozen " 8-16.	

No. A—Assortment. . . . . .

One assortment in a case, weighing about 40 pounds.

3 only Hammers.	½ dozen Auger Bits 10-16.
½ dozen Zig Zag Rules.	½ dozen " " 12-16.
1 dozen Boxwood Rules.	½ dozen " " 16-16.
1 dozen Screw Drivers 1½-inch.	1 only Vise.
½ dozen " " 2½-inch.	3 only Pipe wrenches.
½ dozen " " 4-inch.	1 only Jack Plane.
½ dozen " " 5-inch.	1 only Block Planes.
2 only Saws.	3 only Chisels ½-inch.
½ dozen Pliers.	3 only " ¾-inch
½ dozen Awls.	3 only " 1-inch.
2 only Pry Bars.	8 only " 1-inch.
2 only Axes.	2 only Try Squares.
2 only Bit Braces.	½ dozen Mill Files.
½ dozen Auger Bits 4-16.	½ dozen Taper Files.
½ dozen " " 6-16.	1 only Level.
½ dozen " " 8-16.	½ dozen Putty Knives.

Each

No. C—Assortment

One assortment in a case, weighing about 80 pounds.

GREAT AMERICAN PLANES

Adjustable Iron Plane

Smooth. 9 Inches Long 2 Inch Cutter. Stained Hardwood Handles and Knobs. Polished Sides and Bottom. Crucible Steel Cutter Parts Interchangeable with Stanley No. 4 Plane

Each

No. GA4 . . . . . One in a Carton Weight each, 3¼ Lb

Adjustable Jack Plane

Jack. 14 Inches Long. 2 Inch Cutter. Stained Hardwood Handles and Knobs Polished Sides and Bottom. Crucible Steel Cutter Parts Interchangeable with Stanley No. 5 Plane.

Each

No. GA5 . . . . . One in a Carton. Weight each, 4¾ Lbs.

STANLEY'S FANCY PLANES

Improved Scrub

Has Single Iron With Cutting Edge Rounded Particularly Adapted for Roughing Down Work Before Using Jack or Other Plane. 9⅜ Ins. Long

Each

No. 40—Wt. 3¼ Lbs

One in a Box.

Skew Cutter, Fillester and Rabbet

Has Extra Wide Cutter Set on a Skew Fence and Depth Gauge Can Be Attached to either side, so that Plane can be used right or left hand. Works Fence Sides Bottom Right Along Width of Cut. Removable Depth Gauge, Fence and Arm and Superior Rabbet Plane is Obtained. 1¾ Inch Cutter with two Adjustable Spurs. One on Each Side.

Each

No. 289—8¾ Inches Long Japanned. Wt 3¾ Lbs. . . . . One in a Box

Improved Rabbet

Japanned Iron Stock and Handle Polished Face and Sides. Will Lie Perfectly Flat on Either Side. Can be Used with Right or Left Hand While Planing into Corners or up Against Perpendicular Surfaces. Fitted with Spur Which Permits Them to be Used for Working Across Grain. Fitted with Detachable Depth Gauge.

Each

No. 190—Length, 8 Ins. Width, 1⅝ Ins., with Spur . . . . . Weight 2¾ Lbs

No. 191 Length, 8 Ins. Width, ⅞ Ins., with Spur . . . . . Weight, 2½ Lbs

No. 192—Length, 8 Ins. Width, 1 In., with Spur . . . . . Weight, 2 Lbs.

Rabbet and Fillester

Removable Arm to which fence is Secured and handle Rabbet Plane a Rabbet, with Two Spurs for Working Either the Tool Can be Used as Bull Nose Rabbet if Required. Arm Can be Screwed to Flat Side of Stock Making Superior Rabbet for End Work Especially Which by Means of Adjustable Fence Adapted for Working Rabbets of Any Size. Width fitted with a Spur Can be Used for Working Across Grain When Necessary Has Depth Gauge. 8¼ Ins. Long 1½ Inch Cutter Iron Stock and Fence.

Each

No. 78 Weight, 3 Lbs.

One in a Box

DADO

Handled Iron Dado Planes 4 Models Ground Bottom and Sides, Polished Japanned. Will Keep True Even in the Narrowest Widths. Have Skew Cutters, an Adjustable Depth Gauge and Two Adjustable Spurs.

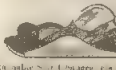
No. 39

Cutter, Ins.	Length, 8 Inches Weight Each Lbs.
¼	1¾
⅜	1¾
½	1¾
⅝	2
¾	2
⅞	2¼
1	2½

Each

One in a box

Rabbet and Block



Detachable Depth Gauge on Tool Iron Block Plane Nickel Plated Corrugated Cutter Set on Skew Fitted Long Iron Cutter with Detachable Nose

Each

No. 140

One in a Box

Weight 1¼ Lbs

PLANES

Woodworkers' Handy Router

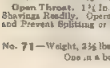
Nickel Plated Cast Iron Frame and Mountings Polished Tool Steel Blade. Polished Beechwood Knobs Smoothing Bottom of Grooves Into can be Changed to Back Side of Upright Post and Outside Stock. For Planing into Corners or to Router Out Mortises. Length, 7¼ Inches with One Bit Each ¼ and ⅜ Inch

Open Throat, 1¾ In Opening Clears Shavings Readily. Operator Can See Iron and Prevent Splitting or Damaging Work.

Each

No. 71—Weight, 2¾ lbs.. . . .
One in a box

Closed Throat

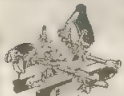


2 x 1¾ Inch Opening.

Each

No. 71 ¼—Weight 2 lbs.
One in a box.

Patent Universal



A Moulding Plane, Match Beading, Reeding, Fluting, Moldow, Round, Plows, Rabbet and Fillister, Dado, Slitting, and Chamfer Plane Combined in One. Nickel Plated Cast Iron Frame, Mahogany Finished Handle, Steel Adjusting Screws with Re Tempered, Sharpened Polished Steel Assorted Cutters. Weight about 16 lbs

Each

No. 55 . . . . . .
One in a box.

Dovetail Tongue and Groove

Consists of: Main Stock with Two Sets of Tongue and Fitting Arms, Depth Gauge Adjusted by Screw, Slitting Cutter with Stop. Sliding Section with Vertically Adjustable Bottom. Auxiliary Center Plated in Front of Cutter as Extra Support or Stop, when needed. Bottom Adjusted Both Vertically and Laterally. One Fence has Latera Adjustment by Means of Screw for Extra Fine Work. Fence Used on Either Side of Plane. Rosewood Cap Fitted to Aid Desired Angle. 1 to 45 Degrees. Other Fence Reversed for Center Beading. Wide Boards. Adjustable Stop Used in Beading Edges of Matched Boards is Inserted on Left Hand Side of Sliding Section

Dovetail Tongue and Groove Formed Where the Width of Neck is More than ¼ In. or Where Depth of the Groove is Not More than ¾ In. Three Sizes of Cutters Furnished for Forming Grooves. Smaller Sizes for ⅛ and ¼ In. Boards. Medium Size for ⅜ and ½ In. Boards. Large Size for 1 to 2 In. Boards. One Size Cutter will Cut any Size Tongue. Nickel-plated Frame. Length, 9 Ins. Packed in Hard wood Box. 10¼ x 5¼ x 3 Ins.

Each

No. 444—Wt., Complete, 5 Lbs.
One in a box. Complete directions with each plane

Door Trim

Will Make Mortises for Butts, Face Plates, Hasps Plates, Escutcheons, etc., up to a Depth of ⅝ and a Width of 3 Inches. Original Feature is Method of Mounting Cutter, Which Can be Instantly Set to Work from Either End of Post or Arms. To Adjust for Depth of Cut, Loosen Knurled Nut, Which Prevents Taking a Heavier Chip than can be Easily Cleared. Fence Regulates Position of Cut and Insures Square Cut Using Par Iclet Depth of Cut is Governed by a Positive Stop. By Removing Fence and Locking Cutter Post with Thumb Screw, Instead of Using Spring, a Very Superior Router Plane is Obtained. Bottom is Designed so that an Extra Wooden Bottom of Any Size Desired Can be Screwed on Enabling User to Router on Larger Openings. Three Forged Steel Cutters, ¾, ⅝ and ½ Inch Wide, are Furnished with Tool

Each

No. 171 Length 11 In. Weight 2 lbs.
One in a box

STANLEY ALUMINUM PLANES

Duplex Filletster and Rabbet

Made of Aluminum. Light in Weight. Will not Rust. Reverse Arm to Which Fence is Secured and Handled Rabbet Plane is Had, and, with Two Seats for Cutter, the Tool Can be Used as Bull Nose Rabbet, if Required. Arm Can be Screwed into Either Side of Stock. Making Superior Right or Left-hand Filletster, which by Means of Adjustable Fence is Adapted for Working Rabbets of Smallest Width or with a Spur Can be Used Work Across Grain when Necessary. Has Depth Gauge. Length, 8¼ Ins.; ⅛ in Cutter

Each

No. A78—Aluminum.....
One in a box.
Weight each about 1 ⅛ lbs

Aluminum Adjustable Beading Matching and Rabbet

Aluminum with Rosewood Handle and Knob. Light in Weight. Will Not Rust. Embraces a Beading and Center Beading, Rabbet, and Filletster Dado, Plow, Matching, Superior Slitting and Skew Plane. Has Seven Beading Tools ⅛, ¼, ⅜, ½, ⅝, ¾ and ⅞ In. Ten Plow and Dado Tools ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ In. Slitting Blade, a Sash Tool and Tongue Tool. Length 11 Ins. Twenty-three Cutters. Each

No. A46—Aluminum . . . .
Weight each about 7¾ lbs.
One in a box

ADJUSTABLE SCRAPER PLANES

Stanley

Cast Iron Frame Polished Plane and Cutside Japanned Cap and Inside Brass Adjusting and Knob, Polished Tool Steel Blad

Each

No. 112 Length 9 Ins. Width of Scraper 1 Ins

No. EPS Extra Scraper Blades

No. ETB—Extra Toothed Blades 22, 28 or 30 Teeth to Inch
One in a Box

Stanley Scraper Planes—Double Handle

Blades Adjustable Endwise and for Angle. Can be Locked in Desired Position. Rosewood Handles with Double Grip. Length 6¼ Inches for 2 Inch Blade. Japanned

Each

No 12½
Weight Each 2 ½ Lbs
Iron Face, 1¾ Ins. Long

Each

No. 12—3-inch Blade
Rosewood Faces, 6¼ Ins. long

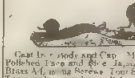
Each

No. 12¼—3-inch Blade
One in a Box

No. 12EC—Extra Scrapers or Blades for Nos. 12 and 12½
Half dozen in a box

BAILEY'S ADJUSTABLE BLOCK PLANES

With Improved Throat Adjustment



Cast Iron Body and Cap. Machine and Polished Face and Side Japanned. Nickel Brass Adjusting Screw. Tool Steel Cutter Tempered, ground and Polished. Throat Can Be Quickly Opened or Closed for Coarse or Fine Work

Japanned Trimmings. Length, 14 Ins. Cut, 2 Ins. Weight 8¼ Lbs.

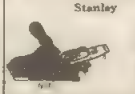
Each

No. 62

One in a Box

BELT MAKERS' PLANES

Stanley



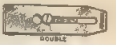
Japanned Cast Iron Frame Polished Fourteen Inch Applewood Handle. Designed for Channeling Down Laps of Belt Before Fastening Together. Bottom is Fitted With a Movable Front, by Means of Which Width of Mouth of Cutter Opening Can be Adjustately Adjusted. Cutter Has a Screw Adjustment to Regulate Depth of Cut

Each

No. 13—6¾ Ins. Long. 2¾ Ins. Cutter. . . . . .
One in a Box.

PLANE IRONS

In Ordering Always Give the Make and Number of Plane for Which They are Wanted



Double
No. 291

Cut, Ins.	Wt. Per Doz. Lbs.	Each
1⅝	4½	
2	6¼	
2¼	8	
2⅜	7½	

Block

ADJUSTABLE

Nos	Size, Ins	For Plane Nos	Per Dozen
1	1	101	
3	1⅝	102	
4	1¾	120	
5	1¾	110 and 130	
6	1¾	9½, 9¾, 13, 16, 17, 18, 19, 65, 65½, 134 and 220 Planes	

Half dozen in a box.

Stanley and Bailey

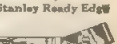
SINGLE

For "Bad Rock" and "Bailey" Iron and Wood Planes.

Single Cut
No. 200

Cut Ins.	Wt. Per Doz. Lbs.	Each
1¾	2½	
2	3½	
2¼	3¾	
2½	4 4	
2¾	4¼	

Stanley Ready Edge



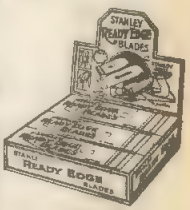
Special Thin High Quality Steel Blades screwed on to the Edge of the Cutter Cap. Made in Three Sizes, 1¾, 2, 2⅜ In.

Will Fit STANLEY Planes Sizes 3, 4, 5, 6, Bailey Bedrock Aluminum and Steel Planes

One (1) Blade Complete with Five (5) Extra Cutters in the Box

Each

No. 316—Sizes 1¾, 2 and 2⅜ Ins.
Complete in a box



Assortment

Contains
Four (4) 2-inch Blades,
One (1) 1¾-inch Blades,
One (1) 2⅜ inch Blades.

Per Assortment

No. 411
One assortment, in a display carton

EXTRA PARTS FOR STANLEY PLANES

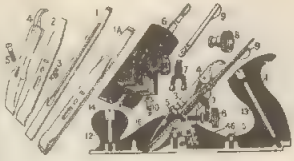
FACTORY SHIPMENT ONLY — Discount

"BAILEY" IRON PLANES

No.	Name of Part	No. of Plane	1 2	3 3c	4 4c	4½ 4 3/8	6 6a	5½ 5½a	8 8d	7 7a	8 8a
3	Cap Screw		$0.10								
4	Lever Cap		.50								
5	" " Screw		.10								
6	Frog Complete		.70								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
10	Frog Screw		.10								
11	Plane Handle		.60								
12	" Knob		.30								
13	Handle Bolt and Nut		.20								
14	Knob " "		.20								
15	Plane Handle Screw						.10	.10	.10	.10	.10
16	Plane Bottom		1.70	2.00	2.00	2.40	2.40	2.40	3.30	4.70	5.70
46	Frog Adjusting Screw		.10	.10	.10	.10	.10	.10	.15	.10	.10

for all numbers

Add 10 per cent for Corrugated Bottoms



"BAILEY" WOOD PLANES

No.	Name of Part	No. of Plane	22	24 25 35	26	27½	36	31	32	35	37
3	Cap Screw		$0.10								
4	Lever Cap		.40								
5	" Screw		.10								
6	Frog Complete		.60								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
10	Frog Screw and Bushing		.20								
11	Plane Handle			.20	.20	.20	.20	.20	.20	.20	.20
12	Knob		.20	.20	.20	.20	.20	.20	.20	.20	.20
13	Handle Bolt and Nut			.20	.20	.20	.20	.20	.20	.20	.20
14	Knob Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
15	Plane Bottom		.80	.80	1.00	1.00	1.40	1.80	1.75	1.90	1.40
17	Toe Casting		.40	.40	.40	.40	.40	.40	.40	.40	.40

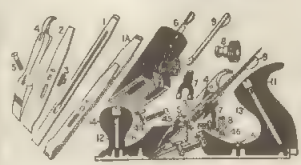
for all numbers

"BED ROCK" PLANES

No.	Name of Part	No. of Plane	602	603 "c	604 "c	604½ "a	605 "c	605½ "c	606 "c	607 "c	663 "c
3	Cap Screw		$0.10								
4	Lever Cap		.50								
5	" Screw		.10								
6	Frog Complete		1.00								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
11	Plane Handle		.60								
12	" Knob		.30								
13	Handle Bolt and Nut		.20								
14	Knob " "		.20								
15	Plane Handle Screw						10	10	10	10	10
16	Plane Bottom		2.20	2.50	2.50	3.00	3.00	3.00	3.20	4.40	6.20
44	Frog Pin		.10	.10	.10	.10	.10	.10	.10	.10	.10
45	Frog Clamping Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
46	Frog Adjusting Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10

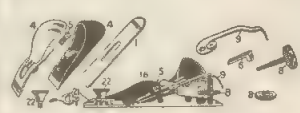
for all numbers

Add 10 per cent for Corrugated Bottoms



"BAILEY" AND STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	9½ 9½c	15 15½	16 17	18 18	60 60½	62	61 63	66	65½
1	Single Plane Iron		For Prices see page 127								
4	Lever Cap		.20	.20	.30	.40	.30	.30	.30	.40	.20
5	" Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
6	Frog Complete						.20	.20	.20	.20	.20
7	Adjusting Lever		.10	.10	.10	.10					
8	Adjusting Nut		.20	.20	.20	.20	.20	.20	.20	.20	.20
9	Lateral Adjusting Lever		.20	.20	.20	.20					
11	Plane Handle		.50	.50			.50				
16	Plane Bottom		1.40	1.50	1.50	1.50	1.20	3.30	1.80	1.80	1.80
21	Eccentric Plate		.20	.20	.20	.20	.20	.20	.20	.20	.20
22	Finger Rest Knob		.20	.20	.20	.20	.20	.20	.20	.20	.20



STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	100 101	102 103	110	120	130	131	140	203	220
1	Single Plane Iron		For Prices see page 127								
4	Lever Cap		.10	.20	.20	.20	.20	.20	.30	.20	.20
5	" Screw							.10	.10	.10	.10
6	Frog Complete					.30		.20	.20	.20	.20
8	Adjusting Nut							.20	.20	.20	.20
12	Plane Knob				.20	.20	.20	.30	.30	.30	.30
16	Plane Bottom		.20	.40	.50	.80	.70	1.40	1.30	.50	.60
18	Detachable Side								.50		
19	Side Screw (Pair)								.20		

Not Carried in Stock. Can Only be Furnished by Shipping Direct From Factory

WHITE MOUNTAIN FREEZER

TRIPLE MOTION

NEW DESIGN

With Crank.

(Sectional View)

New Design Triple Motion Freezer embodies the very latest and most scientific construction. Tubs built on new lines of correct height and diameter resulting in minimum ice consumption. Cans made of Keystone Copper Steel Charcoal Tin Plate are of corresponding height insuring quick freezing. Can covers cast iron with accurate gear teeth. The special patented new form of beater retains the famous Triple Motion, an original and exclusive feature of White Mountain Freezers. Entirely new top frame construction eliminating all complicated gear mechanism making smooth and easy operating freezer.

New inner construction of the freezer insures even, thorough and efficient freezing of the cream together with proper mixing and beating of the entire cream contents.

Can is turned by means of a lug or stop on the inner surface at the top connecting with a corresponding lug or stop on inside of can lid or cover. Bottom of the inner mixer with floats fits over the dasher support in the bottom of the can and revolves with the can, the cup-shaped bearing at the top of the mixer turning on a pivot. The outer mixer, with wooden scrapers, revolves on the dasher support in an opposite direction between the inner mixer and the can.

Nos.	D½W	M1W	M2W
Quarts	½	1	2
W't, lbs. ea.	2½	6	13
Each	$3 65	5 35	6.20

Nos.	M3W	M4W	M6W
Quarts	3	4	6
W't, lbs. ea.	14	16	23
Each	$7.45	9.10	11 55

Nos.	M8W	M10W	M12W
Quarts	8	10	12
W't, lbs. ea.	27	29	48
Each	$14 90	19.90	23.90

Nos.	M15W	M20W	M25W
Quarts	15	20	25
W't, lbs. ea.	54	61	81
Each	$28.45	36.90	47.35

ARCTIC FREEZER

SINGLE ACTION

NEW DESIGN

New Design Freezer, single motion machine. Can turns while the beater remains stationary. Is a perfect specimen of this type of freezer. Tub carefully made of selected stock, watertight and securely bound with wire hoops. Can made of Keystone Copper Steel Charcoal Tin Plate, having a tin plated, cast iron cover. Beater cast iron, tin plated and fitted with double self-adjusting wood scraping bars. All outside castings galvanized.

Nos.	M1A	M2A	M3A
Quarts	1	2	3
W't, lbs. each	5	10	12
Each	$4.45	5.10	6.05

Nos.	M4A	M6A	M8A
Quarts	4	6	8
W't, lbs. each	13	18	22
Each	$7.55	9.55	12.35

FLY WHEELS

For White Mountain and Arctic.

Nos.	M32	M33	M34	M36
For sizes, qts.	2	3	4	6
Each	$2.05	2.05	2.05	2.55

Nos.	M38	M310	M312
For sizes, qts.	8	10	12
Each	$2.85	4.10	6.65

Nos.	M315	M320	M325
For sizes, qts.	15	20	25
Each	$6.65	8.20	9.95

ALASKA COTTAGE FREEZER

In the Alaska Cottage Freezer we offer a high grade durable wood tub freezer at an extremely low price. It operates perfectly, freezing cream in about four minutes.

Tub is of selected Northern Pine with welded wire hoops. Dasher of tinned cast iron has adjustable wood scrapers. Can is 3A charcoal tinplate with 3X double seamed bottom. Tinned cast iron cones.

Capacity 2 qts., w't per doz. 73 lbs.

No. M182—Full half dozen lots, per dozen.....$41.10

No. D182—Less than half dozen, per dozen.....$41.10

AUTO VACUUM FREEZER

The no crank Freezers. Guaranteed, simple, sanitary economical. Endorsed by all leading domestic science institutes. Works on vacuum bottle principle. Will keep cream frozen eight hours without repacking. Finished in white enamel.

Only 3 parts and cannot get out of order.

Nos.	M21	M22	M23	M24
Cap., qts.	1	2	3	4
W't doz., lbs.	65	129	195	260
Each	$7.35	8.90	11.80	14.80

FROST KING FREEZER

Steel Frame, Single Motion.

This is a single-motion freezer that is made fully as well as the double or triple-motion freezers. The mechanism is very easy to operate. The freezer can is of the narrow model type, making the freezing very rapid. The tub is made of Virginia white cedar. Electric-welded wire hoops sunk into grooves, with steel frame, locks and catches are made of non-breakable steel.

The operation is extremely simple. The wood scrapers on th dasher press automatically against the sides of the revolving can. These remove the frozen cream and throw it to the center where the spoons on the beater mix it with the cream still unfrozen and return the whole to the sides to be re-frozen.

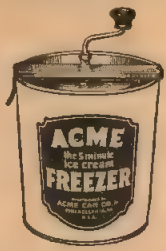
Nos.	F1K	F2K	F3K
Cap., qts.	1	2	3
W't, each, lbs.	9	10	11
Each	$4.00★	5.20★	6.20★

Nos.	F4K	F6K	F8K
Cap., qts.	4	6	8
W't, each, lbs.	15	17	25
Each	$7.55★	9.55★	12.35★

Nos.	F10K	F12K	F16K
Cap., qts.	10	12	16
W't, each, lbs.	29	46	50
Each	$16.55★	18.55★	26.00★

ACME FREEZER

THE FIVE-MINUTE ALL METAL ICE CREAM FREEZER



No gears. No heavy tub. Nationally advertised in Good Housekeeping and Ladies' Home Journal.

Lowest priced, all metal gearless freezer on market and fully guaranteed. Noted for durability, quick freezing, easy operation and perfect results. It is a popular favorite, and best selling Freezer and is extensively advertised in leading national magazines. Has the Good Housekeeping seal of approval, also endorsed by leading home economics teachers.

Sanitary, light, durable, compact, easy turning, and saves space, ice, work, and time. It has no heavy tub. Has no gears, wheels or other complicated parts to wear out or get out of order, therefore no parts to replace. Fits pantry shelf when not in use, and slips into ice chest or refrigerator after freezing. Tapered.

BRIGHT GALVANIZED

2 qt., w't per doz. 40 lbs.

No. M200—Full half dozen cartons. per dozen $17.80

No. D200—Less than carton, per dozen 17.80

BLUE ENAMELED GALVANIZED

Full Half Dozen Cartons

Nos.	M210	M410
Cap., qts.	2	4
W't doz., lbs.	40	60
Per dozen	$22.20	40.00

Less Than Carton

Nos.	D210	D410
Per dozen	$22.20	40.00

HALF DOZEN IN A CARTON.

SAMSON POWER FREEZER

Triple Motion.

The platform and stand are of cast iron. The gear frame extends across the top of the tub, and is fastened by a latch bolt and thumb screw. When the frame is released it can be raised to an upright position, and is there held firmly. The can and tub may be removed and replaced at pleasure, while the frame is in this position.

The beaters are malleable iron and tinned, with double self-adjusting wood scraping bar. The tubs are exceedingly heavy and durable. The cans are of the heaviest tin plate. The pulleys on both the 25 qt. and 40 qt. sizes are 24x4½ in. and should turn about 75 revolutions per minute to give the correct speed to the freezer.

Nos.	F 25	F 40
Quarts	25	40
W't, lbs., each	292	432
Each	$166 65★	222.20★

CRANKS

FOR WHITE MOUNTAIN AND ARCTIC

Nos.	D101	D122	D134	D145	D1810
For sizes, qts.	1	2x3	3x4	6	8x10
Each	$0.65	.90	1.35	1.55	1.55

FOR Hibbard

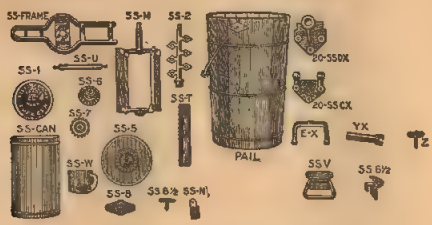
Nos. Hibbard	D1	D23	D46
For sizes, qts.	1	2&3	4&6
Each	$1.00	1.00	1.35

Nos. Hibbard	D810	D12
For sizes, qts.	8&10	12
Each	$1.45	2.80

★ Items Marked Thus ★ Are Shipped From Factory Only.

Prices on Application

REPONOC REPAIRS*



LIST OF REPAIR PARTS AND PRICES

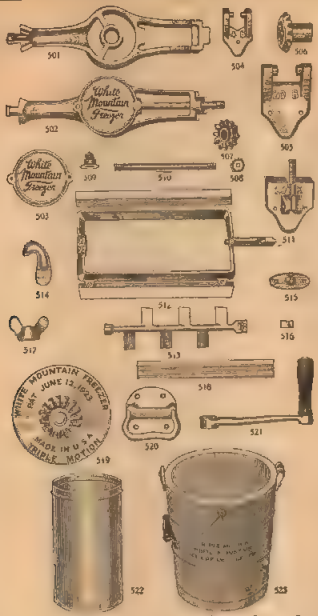
Symbols.	Name of Parts.	F1	F2	F3	F4	F6	F8	F10	F12	F16	F20
No.											
Quarts		1	2	3	4	6	8	10	12	16	20
S S-Frame only	Gear Frame without gears	$0.58	.66	.66	.72	.82	1.05	1.05	1.18	1.18	1.55
S S-Frame Complete	Gear Frame with gears	.95	1.18	1.18	1.32	1.50	2.10	2.35	3.35	3.35	3.72
S S-1	Dome	.18	.24	.24	.32	.32	.45	.65	.70	.70	.70
S S-2	Inner Beater	.30	.30	.36	.36	.45	.80	.80	.80	1.15	1.15
S S-5	Can Top	.36	.45	.55	.58	.75	.80	1.00	1.35	1.35	1.55
S S-6	Top Gear	.15	.15	.15	.18	.18	.25	.30	.90	.90	.90
S S-6½	Hinge Yoke	.16	.16	.16	.16	.16	.30	.30	.40	.40	.40
S S-7	Side Gear	.15	.15	.15	.15	.15	.25	.25	.25	.25	.25
S S-8	Bottom Rest	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15
S S-8½	Can Stop	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15
S S-M	Outer Beater Scraper	.58	.58	.58	.75	.90	1.45	1.65	1.65	1.75	2.15
S S-N	Scraper Clamps	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15
S S-S	Crank, Wood	.22	.25	.25	.30	.30	.40	.40	.75	.75	.75
S S-T	Wood Scraper	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15
S S-U	Shaft	.15	.15	.15	.15	.15	.15	.15	.35	.35	.35
S S-V	Side Handle and Clip						.15	.15	.15	.15	.15
S S-W	Thumb Lock and Plate	.16	.16	.16	.16	.16	.30	.30	.40	.40	
S S-Can	Can	.40	.45	.45	.70	.75	1.15	1.20	1.35	1.56	2.15
S S-2 Double	Beater	.38	.50	.55	.60	.90	.95	1.30	1.55	1.90	2.40
S S-4 Single	Beater	.38	.50	.55	.60	.90	.95	1.30	1.55	1.90	2.40
Pail	(only)	.70	1.05	1.30	1.55	1.70	2.05	3.00	3 [illegible]	3.95	4.75
Fly Wheel	(complete)		1.30	1.30	1.30	1.65	1.75	2.50	3.80	3.80	4.60
20-SS DX	Shaft Bearing	....	....	....	....	....	....	....	....	....	1.00
20-SS C X	Hinge	....	....	....	....	....	....	....	....	....	.75
20-SS E X	Yoke	....	....	....	....	....	....	....	....	....	.45
20-SS YX	Short Shaft	....	....	....	....	....	....	....	....	....	.45
20-SS Z	Thumb Screw	....	....	....	....	....	....	....	....	....	.30
A	Can Bottom	.15	.20	.20	.25	.35	.60	.60	.65	....	1.25

(Double and Single Beater not Shown in Cut)

The minimum charge on any invoice for REPAIRS ONLY will be 15 cents. Order by lettered name and always state what size freezer you wish repairs for, and NAME OF FREEZER IN FULL.

Use Only this Revised Price List.

★ Items Marked Thus ★ Are Shipped From Factory Only.



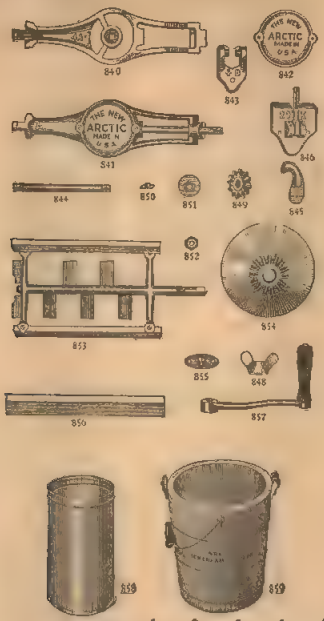
NEW DESIGN WHITE MOUNTAIN REPAIRS

Quarts	Let.	1 Ea.★	2 Ea.★	3 Ea.★	4 Ea.★	6 Ea.★	8 Ea.★	10 Ea.★	12 Ea.★	15 Ea.★	20 Ea.★	25 Ea.★
F501 Gear case, blank	M	.60	1.05	1.15	1.30	2.20	2.50	2.80	4.75	5.10	5.30	6.70
F502 Gear case, complete with all parts	..	1.60	2.50	2.65	2.80	4.70	5.00	5.45	9.85	10.40	10.95	14.10
F503 Cap for gear case	L	.18	.34	.34	.34	.68	.68	.68	1.05	1.05	1.18	1.18
F504 Small tub ear on side next to crank	B	.22	.38	.38	.38	.48	.48	.48	....	....	....	....
F505—Large tub ear (12 to 25 qts. only)	B	....	....	....	....	....	....	....	1.50	1.50	1.70	1.70
F506 Upper gear with sq. hole for dasher stem	D	.28	.50	.50	.50	1.04	1.04	1.04	1.70	1.70	2.20	2.20
F507 Pinion gear at end of crank shaft	T	.20	.34	.34	.34	.58	.58	.58	1.02	1.02	1.36	1.36
F508 Small nut on crank end of driving shaft	..	....	....	....	....	....	....	....	.14	.14	.14	.14
F509 Dasher support inside of can	..	.18	.22	.22	.22	.28	.28	.28	....	....	....	....
F510 Driving shaft	..	.20	.22	.28	.34	.50	.56	.64	1.02	1.10	1.22	1.68
F511 Large tub latch with special bolt on side opposite crank (12 to 25 qts. only)	K	....	....	....	....	....	....	....	1.20	1.20	1.30	1.30
F511½ Special bolt only, for large tub latch (see No. F511)	..	....	....	....	....	....	....	....	.40	.40	.40	.40
F512 Outer mixer with wood scrapers	H	.52	.70	.88	1.06	1.48	1.76	2.30	2.65	2.82	3.70	4.58
F513 Inner mixer	F	.36	.42	.52	.64	.78	.98	1.42	1.94	2.12	2.46	3.52
F514 Small tub hook opposite side from crank	..	.14	.18	.18	.18	.18	.18	.18	....	....	....	....
F515 Iron centerpiece in bottom of tub	U	.14	.18	.18	.18	.18	.18	.18	.30	.30	.36	.36
F516 Can lug soldered to inside at top of can	..	.10	.14	.14	.14	.14	.14	.14	.18	.18	.22	.22
F517 Wing nut for latch bolt	..	....	....	....	....	....	....	....	.22	.22	.22	.22
F518 Wooden scraper bar	..	.10	.14	14	.14	.18	.18	.18	.28	.38	.42	.42
F519 Lid or can cover, iron as used in freezer	X	.60	.75	.80	1.00	1.10	1.40	2.12	3.28	3.36	3.56	4.20
F519½ Lid or can cover, tin as used for packing (not illustrated)	..	.60	.75	.80	1.00	1.10	1.40	1.50	1.80	2.20	2.50	3.50
F520 Drop handle, complete for tub	..	....	....	....	....	....	....	.50	.50	.50	.65	.65
F521 Crank	..	.34	.50	.65	.65	.84	.84	.84	1.72	1.72	1.98	1.98
F522 Can, less lid	..	.72	1.18	1.32	1.60	2.26	2.80	3.98	5.72	6.26	7.76	10.30
F523 Tub with fittings	..	1.24	1.94	2.30	2.74	3.24	4.02	5.70	6.42	7.44	9.30	11.90
F524 Can bottom, cast iron, not illustrated	W	....	....	....	....	....	....	....	2.50	2.70	2.96	3.19

Instructions: Give pattern letter on casting and the figures before it, also the registered catalogue No. with description of part as given above. Where pattern letters are not found give registered catalogue No. with description of part and size of freezer for which part is wanted and state that same is for the New Design White Mountain Freezer.

★ Items Marked Thus ★ Are Shipped From Factory Only.

NEW DESIGN ARCTIC REPAIRS



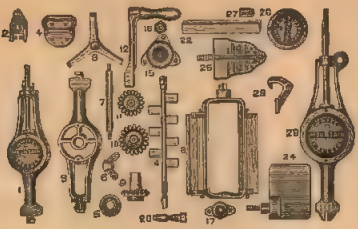
Quarts ..... No.	Lot.	1 Ea.★	2 Ea.★	3 Ea.★	4 Ea.★	6 Ea.★	8 Ea.★	10 Ea.★	12 Ea.★	15 Ea.★	20 Ea.★
F840 Gear case, blank	A	.60	.80	.95	1.10	1.50	1.60	2.30	3.25	3.55	4.70
F841 Gear case, complete with all parts	..	1.15	1.30	1.50	1.60	2.05	2.35	3.00	5.00	5.90	7.75
F842 Cap for gear case	V	.18	.34	.34	.34	.68	.68	.68	1.05	1.05	1.18
F843 Tub ear on side next to crank	B	.22	.38	.38	.38	.48	.48	.48	1.50	1.50	1.70
F844 Driving shaft	..	.20	.22	.28	.34	.50	.56	.64	1.02	1.10	1.22
F845 Small tub hook opposite side from crank	..	.14	.18	.18	.18	.18	.18	.18	....	....	....
F846 Large tub latch with special bolt on opposite side from crank (12 to 20 qts. only)	K	....	....	....	....	....	....	....	1.20	1.20	1.30
F847 Special bolt for large tub latch (12 to 20 qts. only) see No. F846	..	....	....	....	....	....	....	....	.40	.40	.40
F848 Wing nut for latch bolt (12 to 20 qts. only) ..	..	....	....	....	....	....	....	....	.22	.22	.22
F849 Pinion gear at end of crank shaft	T	.20	.34	.34	.34	.58	.58	.58	1.02	1.02	1.36
F850 Can lug soldered to inside of top of can	..	.10	.14	.14	.14	.14	.14	.14	.18	.18	.22
F851 Dasher support inside of can	..	.18	.22	.22	.22	.28	.28	.28	....	....	....
F852 Small nut on crank end of driving shaft (12 to 20 qts. only)	..	....	....	....	....	....	....	....	.14	.14	.14
F853 Mixer complete with wood scrapers	R	.32	.50	.68	.86	.96	1.10	1.58	2.58	2.70	4.16
F854 Lid or can cover	Y	.60	.75	.80	1.00	1.10	1.40	2.12	3.28	3.36	3.58
F855 Iron centerpiece in bottom of tub	U	.14	.18	.18	.18	.18	.18	.18	.30	.30	.36
F856 Wooden scraper bar	..	.10	.14	.14	.14	.18	.18	.18	.28	.28	.42
F857 Crank	..	.34	.50	.65	.65	.84	.84	.84	1.72	1.73	1.95
F858 Can less lid	..	.72	1.18	1.32	1.60	2.26	2.80	3.98	5.72	6.26	7.76
F859 Tub with fittings	..	1.24	1.91	2.30	2.74	3.24	4.02	5.70	6.42	7.44	9.30
F860 Can bottom, cast iron (12 to 20 qts. only) not illustrated	P	....	....	....	....	....	....	....	2.50	2.70	2.96

Instructions: In all instances possible give the pattern letter on casting and the figures before it, also the registered catalogue number with description of part as given above. Where pattern letters are not found give registered catalogue number with description of part and size of freezer for which part is wanted and state that same is for the New Design Arctic Freezer. ★ Items Marked Thus ★ Are Shipped From Factory Only.

PRICES ON APPLICATION

OLD STYLE WHITE MOUNTAIN REPAIRS

No. 201.



No. 203.

Quarts	1	2	3	4	6	8	10	12	15	20	25
1 Gear frame with gear ....ea.	$1.60★	2.50★	2.65★	2.80★	4.70★	5.00★	5.45★	9.85★	10.40★	10.95★	14.10★
2 Small ear .....ea.	.22★	.38★	.38★	.38★	.48★	.48★	.48★	.....	.....	.....	.....
3 Gear frame without gears, ea.	.60★	1.05★	1.15★	1.30★	2.20★	2.50★	2.80★	4.75★	5.10★	5.30★	6.70★
4 Tub handle .....ea.	.....	.....	.....	.....	.....	.....	.50★	.50★	.50★	.65★	.65★
5 Ring for cover of can .....ea.	.14★	.20★	.20★	.20★	.20★	.20★	.20★	.34★	.34★	.34★	.48★
6 Thumb nut .....ea.	.....	.....	.....	.....	.....	.....	.....	.22★	.22★	.22★	.22★
7 Shaft .....ea.	.20★	.22★	.28★	.34★	.50★	.56★	.64★	1.02★	1.02★	1.22★	1.68★
8 Can socket .....ea.	.20★	.22★	.34★	.34★	.34★	.50★	.50★	.65★	.65★	.65★	1.18★
9 Shank gear .....ea.	.28★	.50★	.50★	.50★	1.04★	1.04★	1.04★	1.70★	1.70★	1.70★	2.20★
10 Top gear .....ea.	.20★	.34★	.34★	.34★	.65★	.65★	.65★	1.18★	1.18★	1.18★	1.88★
11 Screw gear .....ea.	.20★	.34★	.34★	.34★	.58★	.58★	.58★	1.02★	1.02★	1.02★	1.36★
12 Crank .....ea.	.34★	.50★	.65★	.65★	.84★	.84★	.84★	1.72★	1.72★	1.72★	1.98★
14 Inside beater .....ea.	.26★	.42★	.52★	.64★	.78★	.98★	1.42★	1.94★	2.12★	2.46★	3.52★
15 Large center .....ea.	.....	.....	.....	.....	.....	.....	.....	.34★	.34★	.34★	.34★
16 Shaft nut .....ea.	.....	.....	.....	.....	.....	.....	.....	.14★	.14★	.14★	.14★
17 Small center .....ea.	.14★	.18★	.18★	.18★	.18★	.18★	.18★	.....	.....	.....	.....
18 Outside beater .....ea.	.52★	.70★	.88★	1.06★	1.48★	1.76★	2.30★	2.65★	2.82★	3.70★	4.58★
20 Spindle .....ea.	.18★	.20★	.20★	.20★	.50★	.50★	.50★	.65★	.65★	.65★	1.05★
22 Wood scraper .....ea.	.10★	.14★	.14★	.14★	.18★	.18★	.18★	.28★	.28★	.28★	.42★
24 Large ear .....ea.	.....	.....	.....	.....	.....	.....	.....	1.70★	1.70★	1.70★	1.70★
25 Large latch .....ea.	.....	.....	.....	.....	.....	.....	.....	1.30★	1.30★	1.30★	1.30★
26 Gear cap .....ea.	.18★	.34★	.34★	.34★	.68★	.68★	.68★	1.05★	1.05★	1.05★	1.18★
27 Wood scraper holder .....ea.	.10★	.14★	.14★	.14★	.14★	.14★	.14★	.18★	.18★	.18★	.20★
28 Frame latch .....ea.	.14★	.18★	.18★	.18★	.18★	.18★	.18	.....	.....	.....	.....
201 Freezer can with cover ....ea.	1.24★	1.94★	2.16★	2.60★	3.36★	4.20★	5.54★	7.58★	8.54★	10.36★	13.86★
201A Can cover only .....ea.	.52★	.76★	.84★	1.00★	1.10★	1.40★	1.56★	1.86★	2.28★	2.60★	3.56★
202 Freezer tubs .....ea.	1.24★	1.94★	2.30★	2.74★	3.24★	4.02★	5.70★	6.42★	7.44★	9.30★	11.90★

★ Items Marked Thus ★ Are Shipped From Factory Only.

WRENCH ASSORTMENTS

WILLIAMS STYLE

Semi-Finish.

The wrenches composing this assortment are the most commonly required for garage purposes; opening milled for U. S. and S. A. E. nuts and hexagon cap screws; assortment is arranged on an attractive display board.

Consists of the following wrenches.

6 Each Size No.	U. S. Std. Nuts	Hex. Head Cap Screws	S. A. E. Std. Nuts; Cap Screws	Openings Milled	Extreme Length	Thickness Heads
721	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 3/8	4	3/8
723	-	7/16 & 1/2	3/8 & 7/16	9/16 & 7/16	4 1/2	7/16
725	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	5	9/16
725B	1/4	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5 1/2	11/32
727	-	3/8 & 7/16	3/8 & 7/16	9/16 & 5/8	6	21/32
729	-	7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	7	3/4
731	-	1/2 & 9/16	1/2 & 9/16	3/4 & 13/16	8 3/4	15/32
731A	1/4	1/2 & 5/8	1/2 & 9/16	3/4 & 7/8	8 3/4	15/32

Cap Screw Wrenches—15° Angle.

21	1/4 & 5/16	1/4	5/16 & 3/8	7/16 & 17/32	4	1/4
23	5/16 & 1/4	5/16	3/8 & 1/2	9/16 & 5/8	4 3/8	1/4
25	5/16 & 3/8	5/16	1/2 & 5/8	11/16 & 3/4	5 1/2	1/4
27	7/16 & 1/2	-	5/8 & 3/4	13/16 & 7/8	6 1/2	5/16
27C	-	3/8	3/8	7/16 & 11/16	6 1/2	5/16
28S	7/16	7/16	7/16	3/4 & 15/16	7	3/8
29	3/8 & 7/16	-	3/4 & 7/8	11 & 1	7 1/2	5/16
31	1/2 & 9/16	7/16	7/8 & 1	1 1/16 & 1 1/8	8 3/4	15/32
33	5/8 & 11/16	5/8	1 & 1 1/8	1 1/4 & 1 5/16	9 1/2	1/2

No. D—102 wrenches of 17 sizes as described; wt per ass't 49 lbs - - -

WRENCH ASSORTMENTS

WILLIAMS, STYLE C

Semi-Finish.

For farm, machine and automotive purposes; openings milled for U. S. and S. A. E. nuts and cap screws.

Consists of the following wrenches:

No.	Milled Openings	For S. A. E. Nuts	For U. S. Std. Nuts	For Cap Screws	Lgth.
Light Service or General Purpose, 22½ Degree Angle.					
75A	3/8 & 1/2	1/4	5/16 & 3/8	5/16	6 1/4
79C	5/8 & 3/4	-------	7/16 & 1/2	7/16 & 3/8	8 3/4
83B	7/8 & 1	1/2	5/8 & 3/4	9/16 & 11/16	10 & 3/8
Engineers' 15 Degree Angle.					
21	5/16 & 13/32	1/4 & 5/16	3/8	-------	3 1/2
23	13/32 & 3/8	5/16 & 3/8	7/16	7/16	4
25	3/8 & 15/32	3/8 & 7/16	1/2	5/16	4 7/8
27	15/32 & 11/16	7/16 & 1/2	-------	-------	5 7/8
29	11/16 & 29/32	3/4 & 7/16	-------	-------	6 7/8
31	29/32 & 7/8	7/16 & 1/2	5/8	9/16	7 7/8
34	7/8 & 1 1/16	1/2 & 5/8	3/4	9/16 & 3/4	9 5/8

Per Ass't

No. C—30 wrenches of 10 sizes as described------ **$31 20**

One ass't on an attractive display board; wt per ass't 20 lbs.

Every successful dealer knows that the old days are over. Competition is keen. You must go out after business. You must sell aggressively if you want to get in on the profitable business. A merchants profits are based on turn-overs and not turn-downs. Blue Grass Trade Marked Lines result in rapid turn-overs. Blue Grass Trade Marked Goods look good, are good—and stay sold.

WRENCHES

TAPPET, WILLIAMS

Semi-Finish.

Drop forged from special alloy steel, heat treated and hardened. Polished head, lacquered handles. Designed for valve tappet adjustment service. Thin heads with narrow, tapered jaws to permit operating nuts etc., where the clearance about them is extremely limited.

STRAIGHT SIZES

Nos.	Openings Milled Ins	For S. A. E Std Nuts and Cap Screws Diam Screws Ins	Extreme Length Ins	Thickness Head Ins	Per Doz Lbs	Per Doz
90	7/16 x 1/2	1/4 x 5/16	6	11/64 x 11/64	2	$17 85
94	3/4 x 1/2	1/2 x 5/16	8	7/32 x 1/4	4	24 60
96	15/16 x 1	5/8 x 11/16	9 1/2	1/4 x 19/64	7	27 75

Half doz in cardboard box.

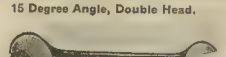
To Merchants who will be successful it means not only making a sale, but to sell merchandise that makes his customers well pleased. They tell their friends, consequently a permanent and pleasing growing business is assured. Blue Grass Tools please every user.

The fact that a customer asks to see a cheap screw driver, wrench, saw, hammer, hatchet or what-not, isn't conclusive evidence that he will buy one. The successful salesman usually lays down two—a cheap one and a Blue Grass, andlets the Customer decide himself. Nine times out of ten he will take the Blue Grass. The appearance, quality and finish is worth the difference.

WRENCHES

CHECK NUT—THIN, J. H. WILLIAMS

15 Degree Angle, Double Head.



Drop forged from bar steel; flat handle semi-finished; milled openings. Each opening is at an angle of fifteen degrees with the handle. This permits turning hexagon nuts completely around when the swing of the handle is limited to thirty degrees

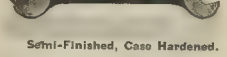
Semi-Finished, Case Hardened.

Nos.	Per Doz	U. S. Stand. Nuts, Size Bolts, ins	Hex Head Cap screws, Size Screw, ins	S. A. E. Stand. Nuts & Cap Screws Size Bolts, ins	Milled Opening, ins	Extreme Length, ins	Thickness Heads, ins	Wt Per Doz, Lbs
623D-SF	$ 8 25	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	4 3/4	1/4	2 1/4
624SF	8 25	5/16 & 3/8	----------	----------	16/32 & 19/32	4 3/4	5/16	2 1/2
628SF	11 70	5/16 & 3/8	----------	----------	19/32 & 22/32	6 3/4	5/16	3 1/2
629SF	11 70	3/8 & 7/16	----------	----------	11/16 & 25/32	6 3/4	5/16	5 1/2
631SF	13 05	7/16 & 1/2	5/8	5/16	28/32 & 5/8	7 3/4	7/32	5 1/4
632X-SF	18 30	1/2	3/4	5/8 & 11/16	15/16 & 1	8 3/4	1/4	5 1/2
633SF	18 30	1/2 & 9/16	7/8	9/16	7/8 & 31/32	8 3/4	7/8	10 1/2

Half doz in cardboard box.

CAP SCREW AND S. A. E. NUTS, J. H. WILLIAMS

15 Degree Angle, Double Head. Drop forged from bar steel.



Semi-Finished, Case Hardened.

Nos.	Per Doz	U. S. Stand. Nuts, Size Bolt, ins	Hex Head Cap Screws, Size Screw, ins	S. A. E. Stand. Nuts & Cap Screws, Size Bolt, ins	Milled Opening, ins	Extreme Length, ins	Wt Per Doz, Lbs
721-SF	$ 5 70	1/8	1/8 & 3/16	----------	5/16 & 3/8	3 1/2	3/4
723-SF	5 85	----------	5/16 & 3/8	1/4	3/8 & 7/16	4	3 1/4
725-SF	8 25	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	4 3/4	2
725A-SF	8 25	----------	3/4 & 3/8	3/4 & 3/8	7/16 & 1/2	4 7/8	2 1/2
725-BSF	8 25	1/4	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	4 7/8	3
727-SF	10 20	----------	3/8 & 7/16	3/8 & 7/16	7/16 & 5/8	6 3/8	4
728-SF	12 30	----------	7/8 & 1/2	3/8 & 1/2	7/16 & 5/8	6 3/8	4 1/2
729-SF	12 00	----------	7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	6 3/8	5
730-SF	14 55	----------	7/16 & 9/16	7/16	5/8 & 13/16	7 3/8	7
731-SF	14 55	----------	1/2 & 9/16	3/8	3/4 & 11/16	7 7/8	8
731A-SF	15 00	3/8	1/4 & 3/8	1/2 & 9/16	3/4 & 7/8	7 3/4	9 1/4
733-SF	18 00	1/2	5/8 & 3/4	5/16 & 11/16	7/8 & 1	8 3/4	10
737-SF	31 50	3/4	7/8 & 1	7/8	1 1/8 & 1 1/4	11 1/8	21

Half doz in cardboard box

WRENCHES

ENGINEERS, J. H. WILLIAMS

15 Degree Angle, Double Head. Drop Forged From Bar Steel.

Unfinished, Unhardened		Semi-Finished, Case Hardened Polished Head		For U. S. Stand Nuts, Size Bolts ins	S. A. E. Stand-Nuts and cap Screws	For Hex Head cap Screws Diam ins	Milled Openings, ins	Extreme Lgth ins	Thickness Head ins	Wt Doz Lbs
Nos.	Per Doz	Nos.	Per Doz							
21U	$ 4 50	21SF	$ 5 55	1/4 & 5/16		1/4	5/16 & 13/16	3 1/2	13/64 & 7/32	7/8
22U	5 70	22SF	6 90	1/4 & 3/8	5/16	1/4 & 5/16	5/16 & 1	4	15/64 & 1/4	1 1/4
23U	5 70	23SF	6 90	5/16 & 3/4	5/16	5/16	13/32 & 1	4	7/32 & 1	1 5/8
24U	6 60	24SF	8 25	5/16 & 5/16			13/32 & 15/32	4 1/2	7/32 & 9/32	2
25U	6 60	25SF	8 25	3/8 & 5/16	5/16	5/16	1/2 & 13/32	4 1/2	1/4 & 9/32	2 1/2
26U	8 25	26SF	10 20	3/8 & 3/8	5/16	5/16	1/2 & 11/16	5 1/2	1/4 & 5/16	3 1/2
27U	8 25	27SF	10 20	5/16 & 3/8			15/32 & 11/16	5 1/2	9/32 & 5/16	3 7/8
28U	9 90	28SF	12 30	5/16 & 5/16			15/32 & 25/32	6 1/2	9/32 & 1/32	5 1/16
29U	9 90	29SF	12 30	3/8 & 7/16			11/16 & 25/32	6 1/2	5/16 & 1/32	5 5/8
30U	12 00	30SF	14 70	3/8 & 3/8	5/16	3/8	41/64 & 7/8	7 1/2	5/16 & 13/32	7
31U	12 00	31SF	14 70	7/16 & 1/2	5/16	3/8	25/32 & 7/8	7 1/2	11/32 & 13/32	8 3/4
32U	14 40	32SF	18 00	7/16 & 7/16			25/32 & 31/32	8 3/4	11/32 & 7/16	9
33U	14 40	33SF	18 00	1/2 & 5/16	5/16	3/8	7/8 & 31/32	8 3/4	12/32 & 7/16	10
		33CSF	18 00		5/8 & 11/16	3/4	11/16 & 1	8 3/4		10
34U	18 00	34SF	22 20	1/2 & 3/8	7/16 & 3/4	7/8	7/8 & 1 1/32	9 3/4	13/32 & 1/2	14
35U	18 00	35SF	22 20	5/16 & 5/8	3/4		15/16 & 1 1/16	9 3/4	1/16 & 1/2	14 1/2
36U	25 50	36SF	31 50	5/16 & 3/4	3/4	1	29/32 & 1 1/2	11 1/2	7/16 & 9/16	20
37U	25 50	37SF	31 50	5/8 & 3/4	3/4 & 7/8	1	1 1/16 & 1 1/2	11 1/2	1/2 & 9/16	24
38U	37 50	38SF	45 75	5/8 & 7/8	3/4 & 1		1 1/16 & 1 7/16	13 1/2	1/2 & 31/32	30
39U	37 50	39SF	43 50	3/4 & 7/8	7/8 & 1	1	1 1/4 & 1 7/16	13 1/2	9/16 & 31/32	36 3/4
40U	51 00	40SF	63 00	3/4 & 1	7/8 & 1 1/4	1 & 1 1/8	1 1/4 & 1 5/8	15 1/2	9/16 & 3/4	40 1/2
41U	51 00	41SF	63 00	7/8 & 1	1 & 1 1/4	1 1/4	1 1/4 & 1 5/8	15 1/2	11/32 & 3/4	53 1/2

Nos. 21F to 37F half doz in box; balance loose.

ENGINEERS, J. H. WILLIAMS

15 Degree Angle, Single Head. Drop Forged From Bar Steel.

Semi-Finished		For U. S. Stand Nuts Size Bolts, ins	For Hex Head Cap Screws, Diam Screws, Ins	For S. A. E. Stand. Nut and Cap Screw, Size Bolt, ins	Milled Openings ins	Extreme Length, ins	Thickness Head, ins	Wt Doz Lbs
Nos.	Per Doz							
0SF	$ 4 95	1/4			15/32	3 1/2	5/16	3/4
1SF	5 85	5/16	5/16	5/16	3/4	4	3/8	1
2SF	7 95	3/8			15/32	4 1/2	9/32	2
3SF	9 30	7/16			17/32	5 1/2	5/16	3
4SF	10 35	1/2			35/64	6 1/2	11/32	5 1/4
5SF	12 45	5/8	5/16	5/16	7/8	7 1/2	3/8	6 3/4
6SF	15 00	3/4			31/32	8 1/2	7/16	9 1/4
7SF	18 45	7/8	3/8		1 5/16	9 1/2	1/2	13 1/2
8SF	25 50	1	7/16		1 1/4	11 1/2	9/16	18 1/2
9SF	37 50	1 1/8	1/2	1	1 7/16	13	25/32	24 1/4
10SF	52 35	1 1/4	1 1/2	1 1/4	1 5/8	14 1/2	7/8	45
11SF	68 25	1 1/4	1 1/2	1 1/4	1 13/16	16 1/2	29/32	51
12SF	95 25	1 1/2	1 3/4	1 1/2	2	18 1/2	16/32	80 1/4

Half doz in box.

WRENCHES

TEXTILE MACHINE, J. H. WILLIAMS

22½ Degree Angle, Double Head.

Drop forged from bar steel, semi-finished; tempered; milled openings; case hardened all over; heads ground bright; 22½ degree angle fits United States standard nuts; either square or hexagon.

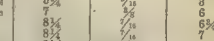
Nos.	Per Doz	U. S. Stand Nuts, Size Bolts, ins	For Hex Cap Screws Diam Screw, ins	For S. A. E. Stand. Nuts & Cap Screw Size, ins	Milled Opening, ins	Extreme Length ins	Thickness Head, ins	Wt Per Doz, Lbs
760B	$8 25	1/16 & 1/4	5/16	5/16	13/32 & 1/2	4 3/4	1/4	2 1/4
760Y	8 25	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 5/8	4 3/4	1/4	3
761X	10 20	1/4	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5 1/2	5/16	3
761A	10 20	1/4 & 5/16	5/16	5/16	1/2 & 9/16	5 1/2	5/16	3
761Z	10 20	- - - - - -	3/8 & 7/16	3/8 & 7/16	5/8 & 23/32	5 3/4	5/16	3
761C.	10 20	1/16 & 3/8	- - - - - -	- - - - - -	15/32 & 5/8	5 3/4	5/16	3
762B	13 05	3/8 & 7/16	- - - - - -	- - - - - -	17/32 & 23/32	7	3/8	6
763Y	17 25	1/2	3/8 & 5/8	1/2 & 9/16	3/4 & 7/8	8 1/4	7/16	6 3/4
763A	17 25	7/16 & 1/2	5/8	9/16	25/32 & 7/8	8 1/4	7/16	7
763C	17 25	1/2 & 9/16	7/8	5/16	7/8 & 21/32	8 1/4	5/16	8
764B	23 55	5/8 & 3/4	- - - - - -	3/4 & 7/8	29/32 & 11/16	9 1/2	3/8	11
765A	31 50	3/4 & 3/4	1	3/4 & 7/8	11/16 & 1 1/4	11	5/16	20
765C.	31 50	3/4 & 7/8	1	1/8 & 1	1 1/4 & 17/32	11	5/16	21

Half doz in cardboard box.

No. 777—Assortment. Consists of one each Nos. 760B, 761C, 763A, 764B and 765C ---------- Per Ass't $8 65

One in carton.

LIGHT SERVICE, J. H. WILLIAMS



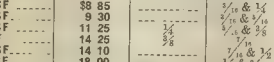
22½ Degree Angle, Double Head, Long and Light. Dropped forged from bar steel.

Semi-Finished, Case Hardened.

Nos.	Per Doz	U. S. Stand. Nuts, Size Bolt, ins	For Hex Cap Screw Diam Screws, ins	For S. A. E. Stand Nuts & Cap Screw Size, ins	Milled Opening, ins	Extreme Length ins	Thickness Head, ins	Wt Per Doz, Lbs
75B-SF	$8 85	- - - - - -	1/4 & 5/16	1/4	3/8 & 7/16	6 1/4	1/4	4
75A-SF	9 30	- - - - - -	5/16 & 3/8	5/16	3/8 & 7/16	6 1/4	1/4	4 1/2
77B-SF	11 25	1/4	7/16 & 1/2	7/16 & 1/2	1/2 & 9/16	7 1/4	5/16	5
79-SF	14 25	5/16	7/16	7/16	5/8 & 11/16	8 1/4	5/16	6 1/2
79C-SF	14 10	- - - - - -	7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	8 1/4	7/16	6 1/2
81B-SF	18 00	- - - - - -	1/2 & 9/16	1/2	3/4 & 13/16	9 1/4	3/8	8 1/2
83B-SF	21 30	1/2	5/8 & 3/4	1/16 & 11/16	7/8 & 1	10 3/8	7/16	10 1/2

Half doz in box.

SET SCREW, J. H. WILLIAMS



22 1-2 Degree Angle, Double Head.

Drop forged from bar steel, flat handle; for use around machinery; also by operators of lathes, planers, milling and binding machinery, etc.

Unfinished, Unhardened.

Nos.	Per Doz	For Milled Opening Set Screws, ins	Extreme Length, ins	Thickness Heads, ins	Wt Doz Lbs
523U	$5 70	1/16 & 1/4	3 1/4	7/32	1 7/16
525U	6 60	1/4 & 5/16	4 1/4	9/32	2
527U	7 80	5/16 & 3/8	5	11/32	3
529U	9 60	3/8 & 7/16	5 3/4	3/8	3 3/4
530U	12 00	3/8 & 1/2	6 1/2	7/16	3 3/4
531U	12 00	7/16 & 1/2	6 3/4	7/16	5 3/8
533U	16 50	1/2 & 9/16	7 1/2	3/8	8 3/4
534U	17 25	1/2 & 5/8	8 1/2	9/16	8 3/4
535U	17 25	9/16 & 5/8	8 1/2	9/16	10 3/4
537U	21 00	5/8 & 3/4	9 3/4	5/8	17 1/8
539U	27 00	3/4 & 7/8	11	11/16	25 1/8

Finished, Case Hardened.

Nos.	Per Doz	For Set Screws, Ins	Extreme Length, Ins	Thickness Heads, ins	Wt Doz, Lbs
523F	$10 80	1/16 & 1/4	3 1/4	7/32	1 1/16
527F	13 65	5/16 & 3/8	5	11/32	3
530F	21 60	3/8 & 1/2	6 3/4	7/16	3 3/4
531F	21 60	7/16 & 1/2	6 3/4	7/16	5 3/8
534F	31 50	1/2 & 5/8	8 1/2	9/16	8 3/4
535F	31 50	9/16 & 5/8	8 1/2	9/16	10 3/8
537F	37 50	5/8 & 3/4	9 3/4	5/8	17 1/8
539F	45 75	3/4 & 7/8	11	11/16	25 1/8

Half doz in cardboard box.

WRENCHES

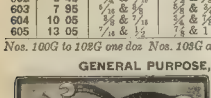
GENERAL PURPOSE

Drop forged steel, natural finish, case hardened.

Nos.	Per Doz	Fits Manufacturers Standard Nuts, Size Bolts, in	Milled opening, ins	Extreme Lgth. in	Thickness Heads, ins	Wt Doz Lbs
601	$4 80	3/16 & 1/4	3/4 & 1/2	6 1/4	7/32	2 3/4
602	6 45	1/4 & 5/16	1/2 & 5/8	7 1/16	1/4	4
603	7 95	5/16 & 3/8	5/8 & 3/4	8 1/4	5/16	5 3/4
604	10 05	3/8 & 7/16	3/4 & 1/8	9 1/4	3/8	9
605	13 05	7/16 & 1/2	1/8 & 1	10 5/8	7/16	13 1/4

Nos. 100G to 108G one doz Nos. 108G and 104G half doz in box.

GENERAL PURPOSE, IN SETS



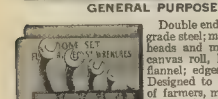
Set consists of five wrenches, one each Nos. 601, 602, 603, 604 and 605.

Per Set

No. 999..... $3 60

One set in cardboard box; wt per set 3 lbs.

GENERAL PURPOSE, In Rolls.



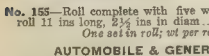
Double end; drop forged from high grade steel; mottled finish body; bright heads and milled openings. Brown canvas roll, lined with white canton flannel; edges bound in black cloth. Designed to meet the requirements of farmers, machinists, automobilists, etc., giving them an assortment of sizes for manufacturers standard nuts; size bolts, 5/16 to 1/2 inch by sixteenths.

Per Set

No. 155—Roll complete with five wrenches assorted, roll 11 ins long, 2 1/2 ins in diam..... $7 50

One set in roll; wt per roll 2 1/2 lbs.

AUTOMOBILE & GENERAL PURPOSE



Drop forged steel, natural finish, case hardened. A handy tool for automobilists, or for use in erecting or dismounting plows, carriages, wagons, etc., and for general service.

Nos.	606	607	608
Milled openings, in	3/8x1 9/32	7/16x1 5/8	1/2 in x 1 3/4
Fits Mfgrs. Stan Nuts, size bolts, in	1/4	5/16	3/8
Fits U. S. Stan Nuts, size bolts, in	5/16	3/8	7/16
Fits hex. head cap screws, in	1/4	5/16	3/8
Fits A. L. A. M. Stan Nuts, size bolts, in	1/4	5/16	3/8
Fits S. A. E. Stan Nuts, size bolts, in	1/4	5/16	3/8
Extreme length, ins	6 3/4	7 3/4	8 1/4
Thickness heads, in	1/8	5/16	5/16
Wt doz, lbs	2 3/4	4	5 3/4
PerDoz	$5 10	7 20	8 25

Nos.	MM	610
Milled openings, in	11/16x3/4	5/8x1
Fits Mfgrs Stan Nuts, size bolts, in	5/16	1/4 & 5/16
Fits U. S. Standard Nuts, size bolts, in	5/16	1/4
Fits hex. head cap screws, in	5/16	5/16 & 3/8
Fits A. L. A. M. Stan Nuts, size bolts, in	7/16 & 1/2	5/16 & 11/16
Fits S. A. E. Stan Nuts, size bolts, in	5/16	5/16 & 11/16
Extreme length, ins	9 1/4	10 3/8
Thickness heads, in	3/8	7/16
Wt doz, lbs	9	13 1/4
Per Doz	$10 50	13 50

Half doz in cardboard box.

WRENCHES

AUTOMOBILE & GENERAL PURPOSE, In Sets.

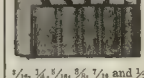
Designed to meet the requirements of farmers, machinists, automobilists, etc., giving them an assortment of wrenches that will fit 32 sizes, nuts and cap screws as follows; fits U.S. Standard Nuts, size bolts, 1/16, 1/8, 3/16 and 1/4 inch; fits Mfgrs. Standard Nuts, size bolts, 5/16, 1/32, 5/16, 3/8, 7/16 and 1/2 inch; fits A. L. A. M. Standard Nuts, size bolts, 1/4, 1/16, 3/8, 7/16, 1/2, 9/16 and 11/16 inch; fits S. A. E. Standard Nuts, size bolts, 1/4, 1/16, 3/8, 7/16, 1/2, 9/16 and 11/16, inch; fits hex. head cap screws, 1/16, 1/8, 1/16, 3/8, 1/16 1/2, 5/8, and 3/4 inch.

Per Set

No. 665—Set consists of five wrenches, one each Nos. 606, 607, 608, 609 and 610..... $3 60

One set in cardboard box; wt per set 3 lbs.

AUTOMOBILE AND GENERAL PURPOSE



In Rolls.

Drop forged from high grade steel, mottled finish; bright heads and milled openings; case hardened, double end; brown canvas roll, lined with white canton flannel.

An assortment of wrenches that will fit 32 sizes of nuts and cap screws as follows: fits U. S. Standard Nuts, size bolts, 1/16, 1/8, 3/16 and 1/4 inch; fits Manufacturers Standard Nuts, size bolts, 1/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch; fits A. L. A. M. Standard Nuts, size bolts, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16 and 11/16 inch; fits S. A. E. Standard Nuts, size bolts, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16 and 11/16 inch; fits hexagon head cap screws, 1/16, 1/4, 5/16, 3/8, 1/16, 1/2, 5/8 and 3/4 inch.

Per Set

No. 165—Roll complete with five wrenches, assorted; roll 11 ins long, 2 1/2 ins in diam..... $7 50

One set in roll; wt per roll about 3 lbs.

SOCKET WRENCHES

SQUARE OPENINGS

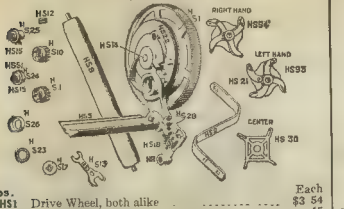
Malleable iron, hardened. Square openings for U. S. Standard nuts, cap screws and set screws. A shoulder prevents the nut working far up into the wrench and the open shank prevents clogging with dirt, also enabling the user to handle the wrench in places where a brace would not go.

Nos.	154	1550	1560
Size opening, ins	1/2	19/32	11/16
Fits bolts, size, in	1/4	5/16	3/8
Fits cap screw, diam in	5/8	7/16	9/16
Fits screw, size, in	1/2	9/16	5/8
Wt per doz, lbs	2 1/2	3	4 1/2
Per Doz	$9 45	10 80	13 50

Nos.	157	158	160	161
Size opening, ins	25/32	7/8	1 1/8	1 1/4
Fits bolts, size, in	7/16	1/2	5/8	3/4
Fits cap screw, diam, in	5/8	3/4	7/8	1
Fits set screw, size, in	1/2	5/8	1 1/8	1 1/4
Wt per doz, lbs	4 3/4	5 1/2	4	5
Per Doz	$14 70	15 75	18 75	20 25

Nos. 157, 158, 160 and 161 half doz; Nos. 157, 1550 and 1560 one doz in box.

REPAIRS FOR LAWN MOWERS
—BLUE GRASS—
FOR Nos. 4714, 4716, 4718 AND 4720.



Nos.		Each
HS1	Drive Wheel, both alike	$3 54
NR	R. H. Roller Bracket	45
NL	L. H. Roller Bracket	45
HS22	R. H. Side Plate	3 54
HS33	L. H. Side Plate	3 54
E4	Straight Knife Bar—	
	14-in	✙ 2 31
	16-in	2 76
	18-in	3 24
	20-in	✙ 3 75
HS5	Straight Knife—	
	14-in	1 29
	16-in	1 44
	18-in	1 65
	20-in	1 74
HS6	Spiral Cutter, complete—	
	14-in	✙13 05
	16-in	✙14 25
	18-in	✙15 30
	20-in	✙16 80
HS7	Spiral Cutter Blades, each—	
	14-in	✙ 1 74
	16-in	✙ 1 95
	18-in	✙ 2 19
	20-in	✙ 2 40
HS8	Wood Roller—	
	14-in	✙ 1 35
	16-in	1 59
	18-in	1 86
	20-in	✙ 1 95
HS9	Handle Irons, both alike—	
	14-in	✙ 90
	16-in	✙ 99
	18-in	✙ 1 35
	20-in	✙ 90
HS10	L. H. Pinion	90
HS11	R. H. Pinion	90
HS12	Case Hardened Ratchet Pin	18
HS13	Wrench	✙ 30
HS14	Drive Wheel Bolt	✙ 30
HS15	Pointed Screw for R. H. Cone	✙ 30
HS16	Cup-pointed Screw for L. H. Cone	✙ 30
HS17	Drive Wheel Washer	18
HS18	Roller Bracket Bolt	✙ 30
HS19	Bolt for Handle Iron	✙ 30
HS20	Screw for Lower Blade	18
HS21	Set Screw for Spider	✙ 30
HS93	Left Hand Spider	✙ 1 26
HS94	Right Hand Spider	✙ 1 26
HS30	Center Spider	✙ 66
HS29	Wood Handle, complete	✙ 3 30
HS23	Ball Retainer and Balls	78
HS24	Right Hand BB Cone	✙ 1 26
HS25	Left Hand BB Cone	✙ 1 26
HS26	Ball Bearing Cups	✙ 66
HS28	Adjusting Screw to Knife Bar	30
HS31	Center Knife Bar Adjusting Screw	✙ 30

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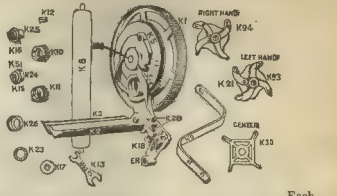
REPAIRS FOR LAWN MOWERS
—BLUE GRASS—
FOR No. 25 BLUE GRASS AUTOMATIC MOWER



Nos.		Each
K1	Drive Wheel, both alike	$3 60
ER	R. H. Roller Bracket	42
EL	L. H. Roller Bracket	42
K4	L. H. Side Plate	3 60
K5	R. H. Side Plate	3 60
K2	Straight Knife Bar—	
	Ins	14 16 18 20
	Each	✙$3 00 ✙3 60 ✙4 05 ✙4 80
K3	Straight Knife—	
	Ins	14 16 18 20
	Each	$1 35 1 44 1 69 1 74
K6	Spiral Cutter Complete—	
	Ins	14 16 18 20
	Each	✙$13 05 ✙14 25 ✙15 45 ✙16 50
K7	Spiral Cutter Blades, each—	
	Ins	14 16 18 20
	Each	✙$1 44 ✙1 44 ✙1 59 ✙1 74
K8	Wood Roller—	
	Ins	14 16 18 20
	Each	$1 44 1 59 1 89 1 95
K9	Handle Irons, both alike—	
	Ins	14 16 18 20
	Each	✙$0 90 ✙99 ✙1 14 ✙1 26
K10	L. H. Pinion	1 26
K11	R. H. Pinion	1 26
K12	Double Ratchet Pin	18
K13	Wrench	✙ 18
K14	Drive Wheel Bolt	✙ 30
K15	Pointed Screw for R. H. Cone	✙ 30
K16	Cup-pointed Screw for L. H. Cone	✙ 30
K17	Drive Wheel Washer	18
K18	Roller Bracket Bolt	✙ 30
K19	Bolt for Handle Iron	✙ 30
K20	Screw for Lower Blade	18
K21	Set Screw for Spider	✙ 30
K93	Left Hand Spider	✙ 1 26
K94	Right Hand Spider	✙ 1 26
K30	Center Spider	✙ 66
K22	Wood Handle	✙ 3 30
K23	Ball Retainer and Ball	78
K24	Right Hand BB Cone	✙ 1 26
K25	Left Hand BB Cone	✙ 66
K26	Ball Bearing Cups	✙ 66
K27	Cone-pointed Headless Set Screw for End of Knife Bar	✙ 30
K28	5/16x2¾ inch Screw or Adjusting	✙ 30
K29	Hexagon Nut for Set Screw on End of Knife Bar	✙ 18
K31	Cone for End of Knife Bar	✙ 30
K32	Brass Eccentric for Knife Bar	✙ 1 86
K33	Machine Screw for Eccentric	✙ 18
K34	Taper Pin for Cross Rod	✙ 18
K35	Thumb Nut for Adjusting	30

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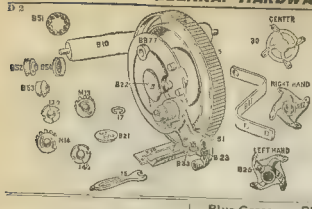


REPAIRS FOR LAWN MOWERS

—BLUE GRASS— AND —BLUE RIBBON—

†F. O. B. Indiana Factory Only.

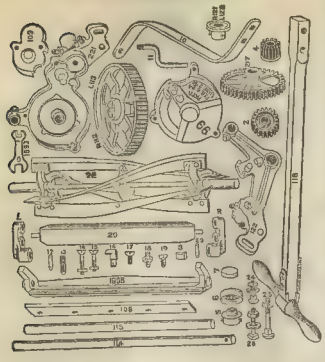
	Blue Grass 1900 Model		Blue Ribbon 1904 Model		Blue Ribbon 1905 Model		Blue Ribbon 1907 Model		Blue Ribbon 1909 Model	
	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each
Drive wheel, both alike	S	$3 54	02	†$2 40	HW01	†$3 00	BBHW	†$3 54	XX	†$3 00
Right hand roller bracket	B	45	NHR	† 45			HR	† 45	WR	† 45
Left hand roller bracket	B1	45	NHL	† 45			HL	† 45	WL	† 45
Left hand pinion	B89LH	1 20	NW13	† 60	HW13	† 1 20	HW13	† 1 20	X89	† 75
Right hand pinion	B88RH	1 20	NW14	† 60	HW14	† 1 20	HW14	† 1 20	X88	† 75
Double ratchet pin	B90	15								
Right hand ratchet clutch			NW13½	† 45	HW13½	† 60	HW13½	† 60		
Left hand ratchet clutch			NW14½	† 45	HW14½	† 60	HW14½	† 60		
Wrench	B15	† 15	NW15	† 15	HW15	† 15	HW15	† 15	X15	† 15
Pinion cap bolt									X18	† 15
Grinding wire					HW17	† 9	HW17	† 9		
Drive wheel bolt	B22	† 30	NW18	† 30	HW18	† 30	HW18	† 30		
Cotter for end of cutter shaft					HW19	† 15	HW19	† 15		
Pointed screws for right hand cone	B25RH and B25½LH	† 30					HW20	† 30		
Drive wheel washer	B21	15	NW21	† 15	HW21	† 15	HW21	† 15	X21	† 15
Roller bracket bolt	B23	† 30	NW23	† 30	HW23	† 30	HW23	† 30	X23	† 30
Bolt for handle iron	B24	† 30	NW24	† 30	HW24	† 30	HW24	† 30	X24	† 30
Lower blade screws			NW25	† 30						
Screws for straight knife bar	B33	30	NW26	† 30						
Adjusting screw for knife bar	B34	30							XX25	† 30
Set screw for spider	B26	† 30			HW26	† 30	HW26	† 30	X26	† 30
Left hand spider	93	† 1 20	NW16L	† 1 20	HW28	† 1 20	HW93	† 1 20	X79	† 1 20
Right hand spider	94	† 1 20	NW16R	† 1 20	HW29	† 1 20	HW94	† 1 20	X78	† 1 20
Center spider	30	† 60	NW16C	† 1 20	HW30	† 60	HW30	† 60	X43	† 60
Pin for ratchet clutch					HW49	† 15	HW49	† 15		
Wood handle, complete	B50	† 2 40	NW50	† 2 40	HW50	† 2 40	HW50	† 2 40	X50	† 1 80
Ball retainer and balls	B51	75					B51	75	X51	† 75
Right hand ball-bearing cone	B52	† 1 20					B52	† 1 20	X52	† 1 20
Set screw and nut for journal box					HW20	† 30				
Screw for front cross bar					HW22	† 30				
Left hand ball-bearing cone	B53	† 1 20					B53	† 1 20	X53	† 1 20
Ball-bearing cups	B54	† 60					B54	† 60	X54	† 60
Cone for knife bar	B55	† 30								
Screws for lower blades	B56	15								
Right hand side plate	B877	3 54	NW3	† 3 00	HW55	† 3 54	B155	† 3 54	X2	† 3 54
Left hand side plate	BB66	3 54	NW2	† 3 00	HW66	† 3 54	B166	† 3 54	X3	† 3 54
Screws for front cross bars							HW22	† 30		
Bolt for straight knife bar					HW25	† 30	HW25	† 30		
Journal bearings, both alike			W2	† 75	HW2	† 75				
Cap for pinion									XX4	† 48
Ratchet pins									XX90	† 15
Cotter for end of wheel shaft									X19	† 15
Set screw for side plate									XX22	† 15
Cross rod									XX5	† 1 20

Size, ins	Blue Grass 1900 Model 14	16	18	20	Size, ins	Blue Ribbon 1904 Model 10	12	14	16	18
Straight knife bar No. 1906	†$2 25	2 70	† 3 30	† 3 75	No. 1895	†$2 40	†$2 85	†$3 09	† 3 30	† 354
Straight knife No. B20	1 35	1 44	1 59	1 65						
Spiral cutter, complete No. B300	†13 05	†14 25	†15 45	†16 50	No. NW8	†7 20	†8 40	†9 45	†10 65	†11 85
Spiral cutter blades No. B9	† 1 65	†1 89	† 2 16	† 2 40	No. NW9	†1 20	†1 44	†1 68	† 1 89	† 2 16
Wood roller No. B10	† 1 35	1 59	1 80	† 1 89	No. NW10	† 90	†1 08	†1 29	† 1 56	† 1 77
Handle irons, both alike No. B11	† 87	† 96	†1 08	† 1 20	No. NW11	† 60	† 75	† 84	† 96	† 1 08

Size, ins	Blue Ribbon 1905 and 1907 Model 14	16	18	20	Size, ins	Blue Ribbon 1909 Model 14	16	18
Straight knife and bar No. HW7	†$3 54	† 4 14	† 4 80	† 5 34	No. XX7	†$3 09	† 3 30	† 3 54
Spiral cutter, complete No. HW8	†13 05	†14 25	†15 45	†16 50	No. XX8	†13 05	†14 25	†15 45
Spiral cutter blades No. HW9	† 1 65	† 1 89	† 2 16	† 2 40	No. XX9	† 1 65	† 1 89	† 2 16
Wood roller No. HW10	† 1 35	† 1 59	† 1 80	† 1 89	No. XX10	† 1 35	† 1 55	† 1 80
Handle irons, both alike No. HW11	† 87	† 96	† 1 08	† 1 20	No. XX11	† 90	† 96	† 1 08

REPAIRS FOR LAWN MOWERS

—BLUE GRASS—1905 MODEL



Nos.		Each
2	Intermediate gear	✣$ 1 80
3	Steel pawl, all alike	✣ 30
4	Pinion	✣ 1 20
5	Ball-bearing cone	✣ 1 20
6	Cup, with balls and retainer	✣ 1 20
7	Washer for ball-bearing cup	✣ 15
2R	Right hand roller bracket	✣ 45
2L	Left hand roller bracket	✣ 45
10	Handle brace—	
	14-in.	✣ 84
	16-in.	✣ 96
	18-in.	✣ 1 08
	20-in.	✣ 1 20
11	Sharpening crank	✣ 30
12	Pin for ratchet plates—R121 and L122	✣ 15
13	Bed-knife adjusting screw	✣ 30
14	Long bolt for gear box	✣ 30
15	Short bolt for gear box	✣ 15
16	Hook for handle brace	✣ 15
17	Machine screw for stationary knife plate	✣ 15
18	Adjusting screw and nut for ball-bearing cup	✣ 21
19	Cup point set screw	✣ 30
20	Wood roller—	
	14-in.	✣ 1 20
	16-in.	✣ 1 35
	18-in.	✣ 1 44
	20-in.	✣ 1 59
22	Cylinder complete with four knives—	
	14-in	✣ 12 60
	16-in	✣ 13 80
	18-in	✣ 15 00
	20-in	✣ 16 20

(Continued next column)

✣F. O. B. Indiana Factory Only.

REPAIRS FOR LAWN MOWERS

—BLUE GRASS—1905 MODEL

Nos.		Each
22½	Cylinder complete with five knives—	
	14-in	✣$13 05
	16-in	✣ 14 25
	18-in	✣ 15 45
	20-in	✣ 16 50
23	Pin for pinion	✣ 15
24	Bolt and washer for roller bracket	✣ 30
25	Bolt for wood handle	✣ 30
26	Bolt for end of cast bed knife back	✣ 45
99	Outside cap for left hand side plate	✣ 1 20
108	Lower straight knife—	
	14-in	✣ 1 44
	16-in	✣ 1 65
	18-in	✣ 1 89
	20-in	✣ 2 16
109-4	Shield	✣ 75
110-4	Right hand cylinder head for four-knife	✣ 2 40
110-5	Right hand cylinder head for five-knife	✣ 2 85
111-4	Left hand cylinder head for four-knife	✣ 2 [illegible]
111-5	Left hand cylinder head for five-knife	✣ 2 85
112	Cylinder ring for four-knife	✣ 1 20
113	Cylinder ring for five-knife	✣ 1 44
114	Wheel shaft—	
	14-in	✣ 96
	16-in	✣ 1 20
	18-in	✣ 1 44
	20-in	✣ 1 65
115	Front cross rod—	
	14-in	✣ 1 20
	16-in	✣ 1 44
	18-in	✣ 1 65
	20-in	✣ 1 89
1906	Cast bed knife back—	
	14-in	✣ 2 61
	16-in	✣ 2 85
	18-in	✣ 3 [illegible]
	20-in	✣ 3 30
217	Master gear wheel	✣ 2 40
118	Wood handle	✣ 3 30
119	Spiral blade for cylinder—	
	14-in.	✣ 1 44
	16-in	✣ 1 68
	18-in	✣ 1 89
	20-in	✣ 2 16
R112	Right hand drive wheel	✣ 2 40
L113	Left hand drive wheel	✣ 2 40
221	Left side frame	✣ 7 20
122	Right side frame	✣ 4 8[illegible]
R121	Right side ratchet plate	✣ 60
L122	Left side ratchet plate	✣ 60
1893	Wrench	✣ 15

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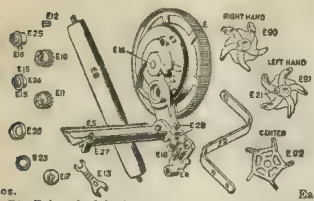
REPAIRS FOR LAWN MOWERS

—BLUE GRASS—

FOR Nos. 1114, 1116, 1118 AND 1120



Nos.		Each
E1	Drive wheel, both alike	✚$ 3 54
ER	R. H. roller bracket	✚ 45
EL	L. H. roller bracket	✚ 45
E2	L. H. side plate	✚ 3 54
E3	R. H. side plate	✚ 3 54
E4	Straight knife bar—	
	14-in	✚ 2 25
	16-in	✚ 2 70
	18-in	✚ 3 00
	20-in	✚ 3 69
E5	Straight knife—	
	14-in	✚ 1 35
	16-in	✚ 1 44
	18-in	✚ 1 59
	20-in	✚ 1 65
E6	Spiral cutter, complete—	
	14-in	✚ 13 05
	16-in	✚ 14 25
	18-in	✚ 15 45
	20-in	✚ 16 50
E7	Spiral cutter blades, each—	
	14-in	✚ 1 65
	16-in	✚ 1 89
	18-in	✚ 2 16
	20-in	✚ 2 40
E8	Wood roller—	
	14-in	✚ 1 35
	16-in	✚ 1 59
	18-in	✚ 2 01
	20-in	✚ 1 89
E9	Handle irons, both alike—	
	14-in	✚ 87
	16-in	✚ 96
	18-in	✚ 1 08
	20-in	✚ 1 20
E10	L. H. pinion	✚ 1 20
E11	R. H. pinion	✚ 1 20
E12	Double ratchet pin	✚ 15
E13	Wrench	✚ 15
E14	Drive wheel bolt	✚ 30
E15	Pointed screws for R. H. cone	✚ 30
E16	Cup-pointed screw for L. H. cone	✚ 30
E17	Drive wheel washer	✚ 15
E18	Roller bracket bolt	✚ 30
E19	Bolt for handle iron	✚ 30
E20	Screws for lower blade	✚ 15
E21	Set screw for spider	✚ 30
E91	Left hand spider	✚ 20
E90	Right hand spider	✚ 1 20
E92	Center spider	✚ 1 60
E22	Wood handle, complete	✚ 40
E23	Ball retainer and balls	✚ 2 75
E24	Right hand BB cone	✚ 20
E25	Left hand BB cone	✚ 1 20
E26	Ball-bearing cups	✚ 1 60
E27	Center knife bar adjusting screw	✚ 30
E28	Adjusting screws to knife bar	✚ 30

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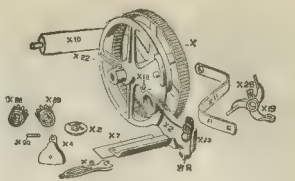
REPAIRS FOR LAWN MOWERS

—BLUE RIBBON—

1913 MODEL



Nos.		Each
X	Drive wheel, both alike	✚$ 3 00
2	Journal bearings, both alike	✚ 51
	W. R. Roller bracket R. H	✚ 45
	W. L. Roller bracket L. H	✚ 45
X2	R. H. side plate	✚ 3 54
X3	L. H. side plate	✚ 3 54
X4	Pinion cap	✚ 51
X7	Straight knife and bar—	
	12-in	✚ 2 85
	14-in	✚ 3 09
	16-in	✚ 3 30
	18-in	✚ 3 54
X8	Spiral cutter, complete—	
	12-in	✚ 8 40
	14-in	✚ 9 45
	16-in	✚ 10 55
	18-in	✚ 11 85
X9	Spiral cutter blades, each—	
	12-in	✚ 1 44
	14-in	✚ 1 65
	16-in	✚ 1 89
	18-in	✚ 2 16
X10	Wood roller—	
	12-in	✚ 1 08
	14-in	✚ 1 35
	16-in	✚ 1 59
	18-in	✚ 1 80
X11	Handle irons, both alike—	
	12-in	✚ 75
	14-in	✚ 84
	16-in	✚ 96
	18-in	✚ 1 08
X88	R. H. pinion	✚ 75
X89	L. H. pinion	✚ 75
X90	Ratchet pins	✚ 15
X15	Wrench	✚ 15
X64R	Spiral cutter spider (Right Hand)	✚ 1 20
X64L	Spiral cutter spider (Left Hand)	✚ 1 20
X64C	Spiral cutter spider (Center)	✚ 1 20
X19	Cotter for end of wheel shaft	✚ 15
X20	Set screw and nut for journal box	✚ 30
X21	Drive wheel washer	✚ 15
X23	Roller bracket bolt	✚ 30
X24	Bolt for handle iron	✚ 30
X25	Bolts for straight knife bar	✚ 30
X26	Set screw for spider	✚ 30
X50	Wood handle, complete	✚ 2 40

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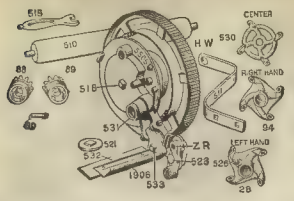
REPAIRS FOR LAWN MOWERS
—BLUE RIBBON—No. 1905A.



Nos.		Each
HW500	Drive wheel, both alike	$3 60
531	Phosphor bronze jrnl. bearings, both alike	✣ 75
ZR	Roller bracket, right hand	✣ 45
ZL	Roller bracket, left hand	✣ 45
5505	R. H. side plate	✣ 3 60
5504	L. H. side plate	✣ 3 60
1906	Straight knife bar—	
	14-in	✣ 2 28
	16-in	✣ 2 76
	18-in	✣ 3 24
	20-in	✣ 3 75
532	Straight knife—	
	14-in	✣ 1 32
	16-in	1 44
	18-in	✣ 1 56
	20-in	✣ 1 68
508	Spiral cutter, complete—	
	14-in	✣13 20
	16-in	✣14 10
	18-in	✣15 30
	20-in	✣16 50
509	Spiral cutter blades, each—	
	14-in	✣ 1 68
	16-in	✣ 1 92
	18-in	✣ 2 16
	20-in	✣ 2 40
510	Wood roller—	
	14-in	1 32
	16-in	1 44
	18-in	1 59
	20-in	1 68
511	Handle irons, both alike—	
	14-in	✣ 87
	16-in	✣ 96
	18-in	✣ 1 11
	20-in	✣ 1 23
89	L. H. pinion	1 23
88	R. H. pinion	1 23
90	Double ratchet pin	18
515	Wrench	✣ 18
518	Drive wheel bolt	✣ 30
520	Set screw and nut for journal box	✣ 30
521	Drive wheel washer	18
523	Roller bracket bolt	✣ 30
524	Bolt for handle iron	✣ 30
533	Bolt for end of straight knife bar	✣ 30
526	Set screw for spider	✣ 30
28	Left hand spider	✣ 1 23
94	Right hand spider	✣ 1 23
530	Center spider	✣ 63
550	Wood handle, complete	✣ 2 40
555	Shaft collar	✣ 18
556	Lower blade screws	✣ 30
557	Adjusting screw for knife bar	30
534	Lower blade screws	21
535	Set screws for shaft collar	✣ 21

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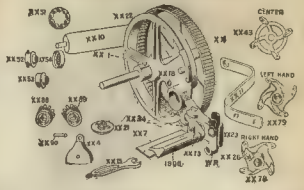
REPAIRS FOR LAWN MOWERS
—BLUE RIBBON—1909A MODEL



Nos.		Each
XX	Drive wheel, both alike	$3 00
WR	Right hand roller bracket	42
WL	Left hand roller bracket	42
XX22	Right hand side plate	3 54
XX33	Left hand side plate	3 54
XX4	Cap	54
1906	Straight knife bar—	
	14-in	✣ 2 31
	16-in	2 76
	18-in	✣ 3 30
XX7	Straight knife—	
	14-in	✣ 1 35
	16-in	1 50
	18-in	1 65
XX8	—Spiral cutter, complete—	
	14-in	✣13 20
	16-in	✣14 25
	18-in	✣15 45
XX9	Spiral cutter blades—	
	14-in	✣ 1 68
	16-in	✣ 1 95
	18-in	✣ 2 25
XX10	Wood roller—	
	14-in	1 35
	16-in	1 65
	18-in	✣ 1 86
XX11	Handle irons, both alike—	
	14-in	✣ 90
	16-in	✣ 99
	18-in	✣ 1 11
XX88	Right hand pinion	75
XX89	Left hand pinion	75
XX90	Ratchet pins	18
XX13	Bolt for straight knife bar	✣ 30
XX15	Wrench	✣ 18
XX18	Pinion cap bolt	✣ 30
XX19	Cotter for end of wheel shaft	✣ 18
XX21	Drive wheel washer	18
XX23	Roller bracket bolt	✣ 30
XX24	Bolt for handle iron	✣ 30
XX26	Set screw for spider	30
XX50	Wood handle, complete	✣ 2 40
XX51	Ball retainer and balls	78
XX52	Right hand BB cone	✣ 1 29
XX53	Left hand BB cone	✣ 1 29
XX54	Ball-bearing cups	✣ 66
XX34	Adjusting screw for knife bar	30
XX43	Center spiral cutter spider	✣ 66
XX78	Right hand spiral cutter spider	✣ 1 29
XX79	Left hand spiral cutter spider	✣ 1 29

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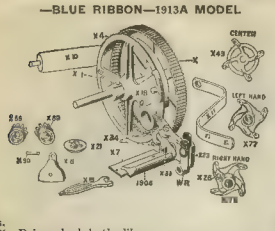
REPAIRS FOR LAWN MOWERS

—BLUE RIBBON—1913A MODEL



Nos.		Each
X	Drive wheel, both alike	$2 70
WR	Right hand roller bracket	42
WL	Left hand roller bracket	42
X4	Right hand side plate	3 54
X5	Left hand side plate	3 54
1906	Straight knife bar—	
	12-in	✚ 1 86
	14-in	✚ 2 31
	16-in	✚ 2 76
	18-in	✚ 3 24
X7	Straight knife—	
	12-in	✚ 1 20
	14-in	1 38
	16-in	1 50
	18-in	✚ 1 65
X8	Spiral cutter, complete—	
	12-in	✚ 8 25
	14-in	✚ 9 45
	16-in	✚10 65
	18-in	✚11 70
X9	Spiral cutter blades—	
	12-in	✚ 1 50
	14-in	✚ 1 74
	16-in	✚ 1 95
	18-in	✚ 2 19
X10	Wood roller—	
	12-in	✚ 1 14
	14-in	✚ 1 38
	16-in	1 65
	18-in	✚ 1 86
X11	Handle irons, both alike—	
	12-in	✚ 75
	14-in	✚ 90
	16-in	✚ 99
	18-in	✚ 1 14
X88	Right hand pinion	75
X89	Left hand pinion	75
X6	Pinion cap	✚ 36
X90	Ratchet pins	18
X15	Wrench	✚ 18
X18	Pinion cap bolt	✚ 30
X19	Cotter for end of wheel shaft	✚ 18
X21	Drive wheel washer	18
X23	Roller bracket bolt	✚ 30
X24	Bolt for handle iron	✚ 30
X33	Bolt for straight knife bar	✚ 30
X26	Set screw for spider	✚ 30
X50	Wood handle, complete	✚ 2 40
X34	Adjusting screw for knife bar	30
X46	Center spiral cutter spider	✚ 66
X21R	Right spiral cutter spider	✚ 1 26
X21L	Left spiral cutter spider	✚ 1 26

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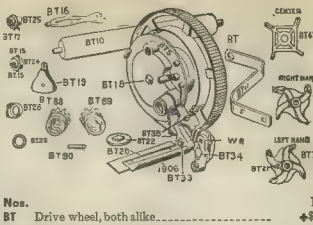
REPAIRS FOR LAWN MOWERS

—SPEEDMORE—BALL-BEARING No. 30



Nos.		Each
BT	Drive wheel, both alike	✚$3 00
WR	Right hand roller brackets	✚ 45
WL	Left hand roller brackets	✚ 45
BT4	Left hand side plate	✚ 3 54
BT5	Right hand side plate	✚ 3 54

1906 Straight knife Bar		BT20 Straight Knife	
12 in	✚$1 77	12 in	✚ 1 20
14 in	✚ 2 25	14 in	✚ 1 29
16 in	✚ 2 70	16 in	✚ 1 44
18 in	✚ 3 18	18 in	✚ 1 56

BT7 Spiral Cutter Complete		BT180 Spiral Cutter Blades	
12 in	✚ 11 85	12 in	✚ 1 44
14 in	✚ 13 05	14 in	✚ 1 65
16 in	✚ 14 25	16 in	✚ 1 89
18 in	✚ 15 45	18 in	✚ 2 16

BT10 Wood Roller		BT11 Handle Irons Both Alike	
12 in	✚ 1 08	12 in	✚ 87
14 in	✚ 1 35	14 in	✚ 96
16 in	✚ 1 59	16 in	✚ 1 08
18 in	✚ 1 80	18 in	✚ 1 20

BT88	Right hand pinion	✚ 75
BT89	Left hand pinion	✚ 75
BT90	Ratchet pin	✚ 15
BT14	Pinion cap bolt	✚ 30
BT15	Pointed screw for R. H. Cone	✚ 30
BT16	Pin wrench	✚ 15
BT17	Cup pointed screw for L. H. Cone	✚ 30
BT18	Drive Wheel bolt	✚ 30
BT19	Cap for pinion	✚ 48
BT21	Set screw for spider	✚ 30
BT22	Drive wheel washer	✚ 15
BT23	Ball retainer and balls	✚ 75
BT24	Right hand ball-bearing Cone	✚ 1 20
BT25	Left hand ball-bearing Cone	✚ 1 20
BT26	Ball-bearing Cups	✚ 60
BT27	Bolt for handle iron	✚ 30
BT33	Machine bolt for knife bar	✚ 30
BT34	Roller bracket bolt	✚ 30
BT35	Adjusting screw for knife bar	✚ 30
BT36	Wood handle complete	✚ 2 40
BT79	Left hand spider	✚ 1 20
BT78	Right hand spider	✚ 1 20
BT43	Center spider	✚ 60

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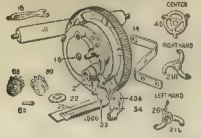
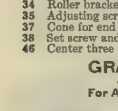
REPAIRS FOR LAWN MOWERS
—CYCLONE—C400A MODEL



Nos.				Each
14	Drive wheel, both alike			$2 40
2	Journal bearings, both alike			✚ 54
404	Right hand roller bracket			✚ 45
405	Left hand roller bracket			✚ 45
13	Right hand side plate			3 15
15	Left hand side plate			3 15
1906	Straight knife bar	20	Straight knife	
	12-in.		12-in. ✚	1 26
	14-in. ✚	2 31	14-in. ✚	1 35
	16-in. ✚	2 76	16-in	1 44
	18-in. ✚	3 30	18-in. ✚	1 65
17	Spiral cutter, complete	180	Spiral cutter blades	
	12-in. ✚	8 25	12-in. ✚	1 50
	14-in. ✚	9 45	14-in. ✚	1 74
	16-in. ✚	10 65	16-in. ✚	1 95
	18-in ✚	11 85	18-in. ✚	2 25
10	Wood roller	11	Handle irons, both alike	
	12-in. ✚	1 11	12-in ✚	75
	14-in. ✚	1 35	14-in. ✚	90
	16-in. ✚	1 65	16-in ✚	99
	18-in. ✚	1 86	18 in. ✚	1 11
88	Right hand pinion			75
89	Left hand pinion			75
90	Ratchet pin			18
16	Pin wrench			✚ 18
18	Drive wheel bolt			✚ 30
21L	Left hand three arm spider			✚ 1
21R	Right hand three arm spider			✚ 1 29
22	Drive wheel washer			18
24	Bolt for handle iron			✚ 30
25	Wood handle, complete			2 40
26	Set screw for spider			✚ 30
33	Machine bolt for knife bar			✚ 30
34	Roller bracket bolt			✚ 30
35	Adjusting screw for knife bar			✚ 30
37	Cone for end of knife bar			✚ 30
38	Set screw and nut for journal box			✚ 30
46	Center three arm spider			✚ 66

GRASS CATCHERS
—BLUE GRASS—
For All Model Lawn Mowers.
Extra Quality.



Heavy white canvas; with galvanized iron roller flanged bottom so constructed when catcher is attached directly over roller the grass will slide backward to lower level of catcher; heavy galvanized wire frame, adjustable steel wire hooks; steel wire handle for carrying. Depth catcher 13 inches. Per Doz

No. BG1510—Adjustable, for mowers from 12 to 16 ins; wt per doz 40 lbs $22 50

No. BG1560—Adjustable, for mowers from 16 to 20 ins; wt per doz 40 lbs 27 00

Good quality white canvas; heavy galvanized wire frame; adjustable steel hooks; non-skid bottom.

Nos.	BG151	BG156
For mower size, ins	12 to 16	16 to 20
Depth, ins	13	13
Wt per doz, lbs	40	40
Per Doz	$18 00	21 45

One doz in carton.

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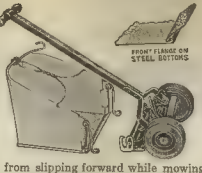
GRASS CATCHERS
—BLUE GRASS—



Galvanized Bot. Per L.

No. BG50G—Round back; heavy duck sides; side is fastened to the bottom by a double fold of sheet metal; projections on the bottom prevent grass from slipping forward while mowing, for mowers 12 to 18 ins; depth 17 ins; width 18 ins; wt per doz 48 lbs $27 45

No. BG160G—Square back; heavy duck sides; side is fastened to the bottom by a double fold of sheet metal; for mowers 12 to 18 ins; depth 16½ ins; width 17 ins; wt per doz 40 lbs 30 00

No. BG260G—Square back; heavy duck sides; has a central handle which permits of the catcher being carried with one hand when filled with grass; attached to mower by means of brackets; for mowers 12 to 18 ins; depth 16½ ins; width 16 ins; wt per doz 42 lbs .. 22 95

One doz in carton.

For All Model Lawn Mowers.

Good quality white canvas; heavy galvanized wire frame; adjustable steel hooks.

Nos.	BG240	BG245
For mower size, ins	12 to 16	16 to 20
Depth, ins	13	13
Doz in carton	1	1
Wt per doz, lbs	22	22
Per Doz	$17 55	19 05

One doz in carton.

LAWN ROLLERS
WATER BALLAST
Hand, With Roller Bearings.

Best grade steel; electric welded seams; body painted green, handles painted red. Equipped with face plate scraper.

Weights can be regulated by injecting water or sand into the roller.

Nos.	WB5	WB7
Diam, ins	18	24
Rolling width, ins	23¼	23¼
Wt empty lbs	76	94½
Wt filled with water, lbs	274	418
Wt filled with sand, lbs	423	665
Shipping wt, lbs	85	110
Each	$42 75	48 75

Packed loose.

DUNHAM,
Hand, With Plain Bearings.

Best grade steel, electric welded seams; body painted green, handles painted red. Equipped with face plate scraper.

Weight can be regulated by injecting water or sand into the roller.

Nos.	2	4
Diam, ins	14	18
Rolling width, ins	24	24
Wt filled with water, lbs	175	265
Wt filled with sand, lbs	262½	397½
Shipping wt, lbs	68	82
Each	$27 00	✚31 50

✚F. O. B. Michigan Factory Only.

HICKORY AXE HANDLES

DOUBLE BIT

—PINE KNOT—Hickory.

Double Bit, Oval.
All white hickory, hand shaved.

	Per Doz
No. 28D—36 in	$15 45
No. 28DS—36 in, gauged and slotted, 4 and 5 gauge	16 20

One doz in carton; wt 22 lbs.

—CYCLONE—Hickory.

Double Bit, Octagon.
Good quality hickory, hand shaved.

	Per Doz
No. 43D—36 in	$11 40
No. 43DS—36 in, gauged and slotted, 4 and 5 gauge	12 45

One doz in carton; wt 21 lbs.

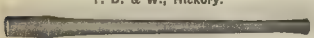
—MOHAWK—Hickory.

Double Bit, Octagon.
Fair quality hickory, hand shaved.

	Per Doz
No. 44D—36 in	$9 00
No. 44DS—36 in, gauged and slotted, 3, 4 and 5 gauge	9 75

One doz in carton; wt 19 lbs.

T. D. & W., Hickory.



Double Bit, Oval.
Standard grade hickory, turned.

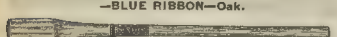
	Per Doz
No. 21D—Hercules grade, 36 in	$13 50

Two doz in crate; wt 42 lbs.

OAK AXE HANDLES

DOUBLE BIT

—BLUE RIBBON—Oak.

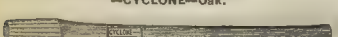


Double Bit, Oval.
Good weight, clear white oak butts, free from defects, hand shaved.

	Per Doz
No. 134—36 in	$11 55

One doz in carton; wt 20 lbs.

—CYCLONE—Oak.



Double Bit.
Good white oak, contains occasional knots or other slight defects, but all good serviceable handles; hand shaved.

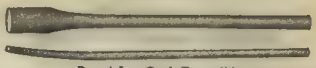
	Per Doz
No. 135—36 in	$8 25

One doz in carton; wt 18 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5, when ordering specify gauge wanted. No. 3 gauge fits 3½, 4 and 4¾ lb axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

BROAD AXE HANDLES

T. D. & W., Hickory.



Broad Axe, Oval, Reversible.
Standard grade hickory, turned.

	Per Doz
No. XTB—Perfection, 30 in	$18 00

Two doz in crate; wt 42 lbs.

ADZE HANDLES

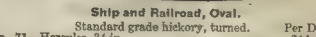
T. D. & W., Hickory.

House Carpenter, Oval.
Standard grade hickory, turned.

	Per Doz
No. 60—Triumph, 34 in; wt per doz 25 lbs	$15 75
No. 61—Hercules, 34 in; wt per doz 28 lbs	14 25

Two doz in crate.

T. D. & W., Hickory.



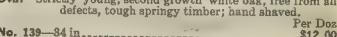
Ship and Railroad, Oval.
Standard grade hickory, turned.

	Per Doz
No. 71—Hercules, 34 in	$14 25

Two doz in crate; wt 48 lbs.

COAL PICK HANDLES

—BLUE GRASS—Oak.

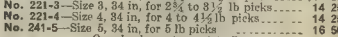


Oval—Strictly young, second growth white oak, free from all defects, tough springy timber; hand shaved.

	Per Doz
No. 139—34 in	$12 00

One doz in carton; wt 21 lbs.

—BLUE RIBBON—Hickory.

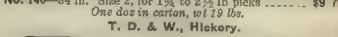


Oval—White hickory with not over one third red wood, turned.

	Per Doz
No. 221-2—Size 2, 34 in, for 1¾ to 2½ lb picks	$14 25
No. 221-3—Size 3, 34 in, for 2¾ to 3½ lb picks	14 25
No. 221-4—Size 4, 34 in, for 4 to 4½ lb picks	14 25
No. 241-5—Size 5, 34 in, for 5 lb picks	16 50

One doz in carton; wt 23 lbs.

—BLUE RIBBON—Oak.

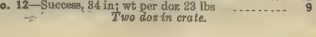


Oval—Good weight clear white oak butts, free from defects, hand shaved.

	Per Doz
No. 140—34 in. Size 2, for 1¾ to 2¼ lb picks	$9 75

One doz in carton, wt 19 lbs.

T. D. & W., Hickory.



Oval—Standard grades hickory, turned.

	Per Doz
No. 010—Perfection, 34 in; wt per doz 26 lbs	$16 05
No. 11—Hercules, 34 in; wt per doz 23 lbs	12 30
No. 12—Success, 34 in; wt per doz 23 lbs	9 75

Two doz in crate.

WEDGES

GRADY, Corrugated.

Solid metal rustproof, noncorrosive. Tremendous holding qualities due to fish hook corrugations.

For Hatchet and Hammer Handles.

Per box of 3 Doz

No. 5—Length 1⅛ ins; width ½ in $4 05

(Sold only in full boxes.)

Three doz mounted on cardboard counter display board; wt per box 5½ lb.

Solid metal, rustproof, noncorrosive. Tremendous holding qualities due to fish hook corrugations.

For Axe Handles.

Per box of 2 Doz

No. 10—Length 1⅛ ins; width ⅛ in $5 25

(Sold only in full boxes.)

Two doz mounted on cardboard counter display board; wt per box ½ lb.

HATCHET HANDLES

—BLUE GRASS—Hickory.

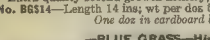
For Scout's Hatchets, Sportsman's and Hunter's Axes.

Extra quality second growth hickory, polished. Per Doz

No. BGS14—Length 14 ins; wt per doz 5 lbs $6 75

One doz in cardboard box.

—BLUE GRASS—Hickory.



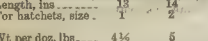
For Shingling, Half, Claw, and Lathing Hatchets.

Extra quality second growth hickory, polished.

Nos.	B-513	B-514	B-515	B-13	B-14
Length, ins	13	14	15	13½	13½
For hatchets, size	1	2	3	Underhill Pat.	Haines Pat.
Wt per doz, lbs	4½	5	5½	5	5
Per Doz			$5 70		

One doz in cardboard box.

—BLUE GRASS—Hickory.



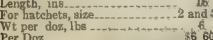
For Broad or Bench Hatchets.

Extra quality second growth hickory, polished.

Nos.	B-616	B-617	B-618
Length, ins	16	17	18
For hatchets, size	2 and 3	4 and 5	6
Wt per doz, lbs	6	6½	7
Per Doz	$6 60	8 25	8 25

One doz in cardboard box.

—BLUE GRASS—Hickory.



For Orange Box Hatchets.

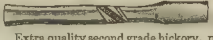
Extra quality second growth hickory, polished. Per Doz

No. B-701—Length 12½ ins $6 60

One doz in cardboard box; wt per doz 4 lbs.

HATCHET HANDLES

—BLUE GRASS—Hickory.



Octagon, For Nos. 371-1, 372-2. Blue Grass Hatchets.

Extra quality second grade hickory, polished.

Nos.	B-313	B-314
Length, ins	13	14
For hatchets, size	1	2
Wt per doz, lbs	4½	5
Per Doz	$6 60	6 60

One doz in cardboard box.

—BLUE GRASS—Assortment—Hickory.

Assortment contains one dozen Blue Grass handles as follows:

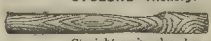
1 only No. B13 lathing hatchet handles.
1 only No. B14 lathing hatchet handle.
2 only No. B616 16 in. broad hatchet handle.
2 only No. B1212 12 in. riveting hammer handle.
1 only No. B1213 13 in. riveting hammer handle.
1 only No. B814 14 in. machinists hammer handle.
1 only No. B815 15 in. machinists hammer handle.
1 only No. B816 16 in. machinists hammer handle.
1 only No. B817 17 in. machinists hammer handle.
1 only No. B916 16 in. blacksmith's hammer handle.

Per Ass't

No. BG45—Ass't; wt 5 lbs $6 60

One ass't in cardboard box.

—CYCLONE—Hickory.



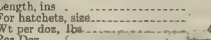
For Shingling, Half, Claw, and Lathing Hatchets.

Straight grain, clear heavy timber.

Nos.	C-113	C-114	C-115
Length, ins	13	14	15
For hatchets, size	1	2	3
Wt per doz, lbs	4½	5	5½
Per Doz		$3 00	

One doz in cardboard box.

—CYCLONE—Hickory.



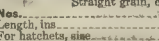
For Broad or Bench Hatchets.

Straight grain, clear heavy timber.

Nos.	C-216	C-217
Length, ins	16	17
For hatchets, size	2 and 3	4 and 5
Wt per doz, lbs	6	6½
Per Doz	$3 30	4 05

One doz in cardboard box.

T. D. & W., Hickory.



For Rig Builders' Hatchets.

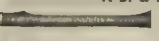
For size 3 hatchets; length 18 inches. Per Doz

No. RE-18—All white second growth hickory $6 30

No. R1-18—Straight grain, clear heavy timber 4 50

One doz in cardboard box; wt 7 lbs.

T. D. & W., Peerless Grade Hickory.



For Shingling, Half, Claw and Lathing Hatchets.

All sound, straight grain, heavy, practically all white hickory.

Nos.	513	514
Length, ins	13	14
For hatchets, size	1	2
Wt per doz, lbs	4½	5
Per Doz	$3 90	3 90

One doz in cardboard box.

R. R. PICK AND MATTOCK HANDLES

—BLUE RIBBON—Hickory.

Oval—White hickory with not over 10 inches in red on one end, turned.

	Per Doz
No. 121—36 in	$14 25

One doz in crate; wt 36 lbs.

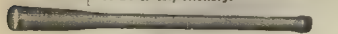
—CYCLONE—Hickory.

Oval—Good quality hickory, turned.

	Per Doz
No. 143—36 in	$9 75

Two doz in crate; wt 60 lbs.

T. D. & W., Hickory.



Oval—Standard grades hickory, turned.

	Per Doz
No. 020—Perfection, 36 in	$22 50
No. 20—Triumph, 36 in	18 75
No. 21—Hercules, 36 in	15 75
No. 22—Success, 36 in	12 30
No. 23—Eagle, 36 in	9 75

Two doz in crate; wt 65 lbs.

—BLUE RIBBON—Oak.

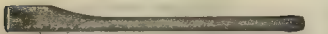
Oval—Good weight, clear white oak butts, free from defects, turned.

	Per Doz
No. 137—36 in	$12 75

One doz in carton; wt 36 lbs.

POLL PICK HANDLES

T. D. & W., Hickory.



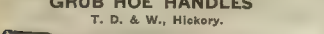
Oval—Standard grades hickory, turned.

	Per Doz
No. 21P—Hercules, 34 in	$12 75

Two doz in crate; wt 70 lbs.

GRUB HOE HANDLES

T. D. & W., Hickory.



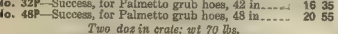
Standard grades hickory, turned.

	Per Doz
No. 31—Hercules, 40 in	$18 00
No. 32—Success, 40 in	15 00
No. 32P—Success, for Palmetto grub hoes, 42 in	16 35
No. 48P—Success, for Palmetto grub hoes, 48 in	20 55

Two doz in crate; wt 70 lbs.

SLEDGE HANDLES

—BLUE RIBBON—Hickory.



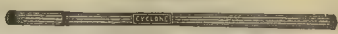
Octagon—All white hickory, hand shaved.

	Per Doz
No. 145—36 in	$11 55

One doz in carton; wt 19 lbs.

SLEDGE HANDLES

—CYCLONE—



Good quality white hickory; carefully turned.

	Per Doz
No. 243—36 in	$5 70

One doz in carton; wt 19 lbs.

T. D. & W., Hickory.

Oval—Standard grades hickory, turned.

	Per Doz
No. 040—Perfection, 36 in	$14 55
No. 41—Hercules, 36 in	11 55

Two doz in crate; wt 43 lbs.

—BLUE GRASS—Oak.

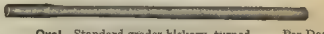
Oval—Strictly young, second growth white oak, free from all defects, tough, springy timber, hand shaved.

	Per Doz
No. 141—36 in	$12 00

One doz in carton; wt 20 lbs.

STRIKING HAMMER HANDLES

T. D. & W., Hickory.



Oval—Standard grades hickory, turned.

	Per Doz
No. 190—Perfection, 36 in; wt per doz 25 lbs	$14 55
No. 91—Hercules, 36 in; wt per doz 19 lbs	11 55

Two doz in crate.

MAUL HANDLES

—BLUE GRASS—Oak.

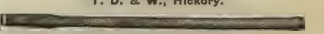
Railroad, Spike and Ship, Oval.

Good weight, clear white oak butts, free from defects, turned.

	Per Doz
No. 142—36 in	$11 55

One doz in crate; wt 18 lbs.

T. D. & W., Hickory.



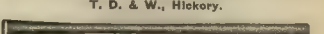
Railroad, Ship and Spike, Oval, Knob End.

Standard grades hickory, turned.

	Per Doz
No. 150—Perfection, 36 in	$14 55
No. 151—Hercules, 36 in	11 55

Two doz in crate; wt 40 lbs.

T. D. & W., Hickory.



Post, Oval, Knob End.

Standard grades hickory, turned.

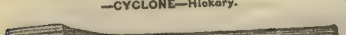
	Per Doz
No. 2—Eagle, 36 in	$10 20

Two doz in crate; wt 48 lbs.

HICKORY AXE HANDLES

SINGLE BIT

—CYCLONE—Hickory.

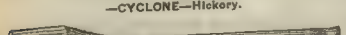


Single bit, straight pattern, plain end, oval.
Good quality white hickory, hand shaved.

	Per Doz
No. 45A—36 in	$11 55
No. 45A$—36 in, gauged and slotted, 3, 4 and 5 gauge	12 30

One doz in carton; wt 21 lbs.

—CYCLONE—Hickory.



Single bit, straight pattern, plain end, octagon.
Good quality white hickory, hand shaved.

	Per Doz
No. 46A—36 in	$11 55
No. 46A$—36 in, gauged and slotted, 3, 4 and 5 gauge	12 30

One doz in carton; wt 21 lbs.

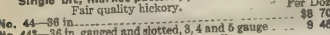
—MOHAWK—Hickory.

Single bit, market pattern, plain end, octagon.
Fair quality hickory.

	Per Doz
No. 44—36 in	$8 70
No. 44$—36 in, gauged and slotted, 3, 4 and 5 gauge	9 45

One doz in carton; wt 18 lbs.

—UNCLE SAM—Hickory.

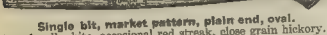


Single bit, market pattern, plain end, oval.
Nearly all white, occasional red streak, close grain hickory.

	Per Doz
No. 20—36 in	$11 10

One doz in carton; wt 18 lbs.

—UNCLE SAM—Hickory.

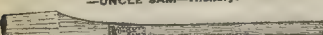


Single bit, straight pattern, plain end, oval.
Nearly all white, occasional red streak, close grain hickory.

	Per Doz
No. 19—36 in	$11 10

One doz in carton; wt 20 lbs.

—BIG SANDY—Hickory.

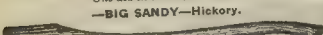


Single bit, market pattern, plain end, oval.
All serviceable handles, good white stock, contains occasional knots, mixed red and white.

	Per Doz
No. 15—36 in	$8 25

One doz in carton; wt 20 lbs.

—BIG SANDY—Hickory.



Single bit, straight pattern, plain end, oval.
All serviceable handles, good white stock, contains occasional knots, mixed red and white.

	Per Doz
No. 14—36 in	$8 25

One doz in carton; wt 23 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3½, 4, and 4½ lb. axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

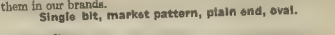
HICKORY AXE HANDLES

SINGLE BIT

—UNCLE REMUS—Hickory.

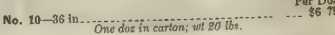
Light timber, containing defects, such as knots, checks and seasoning cracks. Intended for rehandling old axes. We do not recommend them for new axes and will not drive them in our brands.

Single bit, market pattern, plain end, oval.



	Per Doz
No. 10—36 in	$6 75

One doz in carton; wt 20 lbs.



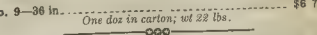
Single bit, straight pattern, plain end, oval.

	Per Doz
No. 9—36 in	$6 75

One doz in carton; wt 22 lbs.

—OGO—

T. D. & W., Hickory.



Single bit, market pattern, plain end, octagon.
Standard grades hickory, hand shaved.

Nos.	22-0	21-0	22-42
Grade	Success	Hercules	Success
Length, ins	36	36	42
Per Doz	$11 85	13 60	$17 25

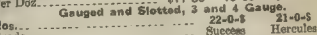
Gauged and Slotted, 3 and 4 Gauge.

Nos.	22-0-$	21-0-$
Grade	Success	Hercules
Length, ins	36	36
Per Doz	$14 25	14 25

Two doz in crate; wt 42 lbs.

T. D. & W., Hickory.

Single bit, market pattern, plain end, oval.



Standard grades hickory, turned.

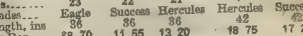
Nos.	23	22	21	1	2
Grades	Eagle	Success	Hercules	Hercules	Success
Length, ins	36	36	36	42	42
Per Doz	$8 70	11 55	13 20	18 75	17 25

Gauged and Slotted, 3, 4 and 5 Gauge.

Nos.	22$	21$
Grades	Success	Hercules
Length, ins	36	36
Per Doz	$12 30	13 95

Two doz in crate; wt 42 lbs.

T. D. & W., Hickory.



Single bit, straight pattern, plain end, oval.
Standard grades hickory, turned.

Nos.	31
Grades	Hercules
Length, ins	36
Per Doz	$12 75

Gauged and Slotted, 3, 4 and 5 Gauge.

Nos.	31$
Grades	Hercules
Length, ins	36
Per Doz	$13 50

Two doz in crate; wt 42 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3½, 4 and 4½ lb axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

F. O. B. Tennessee Factory Only.

TIE WEDGES

Sizes given below are approximate only.

—BLUE GRASS—

Extra quality solid forged tool steel, natural finish.

Nos.	47-3	47-3½	47-4
Wt each, lbs	3	3½	4
Width at point, ins	2⅛	2⅜	3⅛
Length, ins	6½	7¼	7½
Per 100 Lbs		$28 50	

Packed loose.

HORSESHOE

Best cast steel, warranted.

Nos.	1020A-3½	1020A-4
Wt each, lbs	3½	4
Width at point, ins	2⅜	3⅛
Length, ins	7¼	7½
Per 100 Lbs	$28 50	

Packed loose.

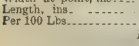
TENNESSEE

Good quality cast steel.

Nos.	100-3	100-3½	100-4
Wt each, lbs	3	3½	4
Width at point, ins	2⅛	2 1/16	2⅛
Length, ins	6½	6¾	7¼
Per 100 Lbs		$24 75	

Packed loose.

WOOD CHOPPERS WEDGES

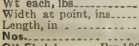


Truckee Pattern.

Cast steel, polished point.

Wt each, lbs		3½	4	4½	5
Width at point, ins		1⅞	2	2⅛	2¼
Length, in		8½	9	9¼	9¼
Nos.	90-3½	90-4	90-4½	90-5
Oil Finish. Per 100 Lbs.			$22 50	
Nos.		91-3½	91-4	91-4½	
Red Finish. Per 100 Lbs.			$24 75	

Packed loose.

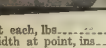


Common Pattern.

Cast steel, polished point.

Wt each, lbs	3½	4	4½	5
Width at point, ins	1⅞	2	2⅛	2¼
Length, inches	8½	9	9¼	9¼
Nos.	92-3½	92-4	92-4½	92-5
Oil Finish. Per 100 Lbs.			$21 00	
Nos.	93-3½	93-4	93-4½	93-5
Red Finish. Per 100 Lbs.			$22 50	

Packed loose.



SAW WEDGES

First quality cast steel, oil finish.

Nos.	1020C-2	1020C-2½	1020C-3
Wt each, lbs	2	2½	3
Length, ins	7	8	9
Width point, in	3⅛	3⅝	3¾
Per 100 Lbs		$35 25	

Packed loose.

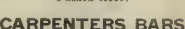
STONE WEDGES

First quality cast steel, oil finish.

Nos.	1050-1½	1050-2
Wt each, lbs	1½	2
Length, ins	4¾	4¾
Width point, in	1 9/16	1⅝
Per 100 Lbs	$35 25	24 75

Packed loose.

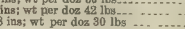
CARPENTERS BARS



High grade octagon tool steel. With claw and pinch point.

	Per Doz
No. 1—¾x30 ins; wt per doz 50 lbs	$8 70
No. 2—¾x24 ins; wt per doz 42 lbs	8 25
No. 18—¾x18 ins; wt per doz 30 lbs	4 95

Packed loose.



High grade octagon tool steel. With claw and chisel point.

	Per Doz
No. 11—¾x30 ins; wt per doz 48 lbs	$8 25
No. 22—¾x24 ins; wt per doz 39 lbs	7 80

Packed loose.

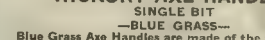
HICKORY AXE HANDLES

SINGLE BIT

—BLUE GRASS—

Blue Grass Axe Handles are made of the finest second growth, white hickory, selected for grain, color and weight, rigidly inspected after each operation.

—BLUE GRASS—Hickory.

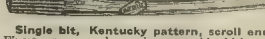


Single bit, Kentucky pattern, scroll end, octagon.
Finest super second growth young white hickory, hand shaved.

	Per Doz
No. 40—36 in	$18 75
No. 40S—36 in, gauged and slotted, 3, 4 and 5 gauge	19 50

One doz in carton; wt 22 lbs.

—BLUE GRASS—Hickory.



Single bit, Kentucky pattern, scroll end, oval.
Finest super second growth young white hickory, hand shaved.

	Per Doz
No. 50—36 in	$18 75
No. 50S—36 in, gauged and slotted, 3, 4 and 5 gauge	19 50

One doz in carton; wt 22 lbs.

—BLUE GRASS—Hickory.

Single bit, straight pattern, plain end, octagon.
Finest super second growth young white hickory, hand shaved.

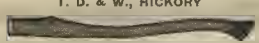
	Per Doz
No. 41—36 in	$18 75
No. 41S—36 in, gauged and slotted, 3, 4 and 5 gauge	19 50

One doz in carton; wt 21 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3½, 4 and 4½ lb axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

BOY'S HICKORY AXE HANDLES

SINGLE BIT
T. D. & W., HICKORY



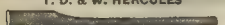
Single Bit, Market pattern, plain end oval.
Standard grades hickory turned.

Nos.	21B	22B
Grades	Hercules	Success
Length, ins	26	28
Per Doz	$9 90	8 40

Two doz in crate; wt 36 lbs.

MINER'S AXE HANDLES

T. D. & W. HERCULES



Single Bit-Hickory.
Standard grade; all sound; straight turned.

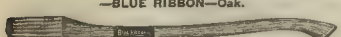
Per Doz
No. 31M—26 in $9 90
Two doz in crate; wt per doz 19 lb.

OAK AXE HANDLES

—BLUE GRASS—Oak.

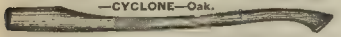
Single bit, market pattern, plain end, oval.
Strictly young, second growth white oak, free from all defects, tough, springy timber, hand shaved. Per Doz
No. 130—36 in $15 75
One doz in carton; wt 19 lbs.

—BLUE RIBBON—Oak.



Single bit, market pattern, plain end, oval.
Good weight, clear white oak butts, free from defects, hand shaved. Per Doz
No. 131—36 in $11 70
One doz in carton; wt 21 lbs.

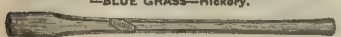
—CYCLONE—Oak.



Single bit, market pattern, plain end, oval.
Good white oak, contains occasional knots or other slight defects, but all good serviceable handles, hand shaved. Per Doz
No. 132—36 in $8 25
No. 132S—36 in, gauged and slotted, 3, 4 and 5 gauge .. 9 00
One doz in carton; wt 19 lbs.

HICKORY AXE HANDLES

DOUBLE BIT
—BLUE GRASS—Hickory.



Double Bit, Octagon.
Finest super second growth young white hickory, hand shaved. Per Doz
No. 40D—36 in $18 75
No. 40DS—36 in, gauged and slotted, 4 and 5 gauge ... 19 50
One doz in carton; wt 20 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3 1/16, 4 and 4 1/16 lb axes. No. 4 gauge fits 4 1/2 and 5 lb axes. No. 5 gauge fits 5 and 5 1/2 lb axes.

HICKORY AXE HANDLES

DOUBLE BIT
—BLUE GRASS—Hickory.

Double Bit, Oval.
Finest super second growth young white hickory, hand shaved. Per Doz
No. 50D—36 in $18 75
No. 50DS—36 in, gauged and slotted, 4 and 5 gauge ... 19 50
One doz in carton; wt 23 lbs

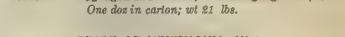
—BELKNAP SPECIAL—Hickory.

Double Bit, Octagon.
White, second growth hickory, hand shaved. Per Doz
No. 16S—36 in, gauged and slotted, 4 and 5 gauge ... $18 45
One doz in carton; wt 21 lbs.

—BELKNAP SPECIAL—Hickory.

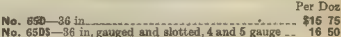
Double Bit, Oval.
White, second growth hickory, hand shaved. Per Doz
No. 17S—36 in, gauged and slotted, 4 and 5 gauge ... $18 45
One doz in carton; wt 21 lbs.

—PRIDE OF KENTUCKY—Hickory.



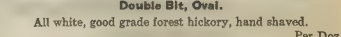
Double Bit, Octagon.
All white, good grade forest hickory, hand shaved. Per Doz
No. 65D—36 in $15 75
No. 65DS—36 in, gauged and slotted, 4 and 5 gauge ... 16 50
One doz in carton; wt 20 lbs.

—PRIDE OF KENTUCKY—Hickory.



Double Bit, Oval.
All white, good grade forest hickory, hand shaved. Per Doz
No. 66D—36 in $15 75
No. 66DS—36 in, gauged and slotted, 4 and 5 gauge ... 16 50
One doz in carton; wt 22 lbs.

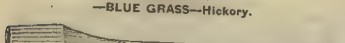
—PINE KNOT—Hickory.



Double Bit, Octagon.
All white hickory, hand shaved. Per Doz
No. 18D—36 in $15 45
No. 18DS—36 in, gauged and slotted, 4 and 5 gauge ... 16 20
One doz in carton; wt 22 lbs.

Note—Gauged and slotted axe handles furnished in gauge Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3 1/16, 4 and 4 1/16 lb axes. No. 4 gauge fits 4 1/2 and 5 lb axes. No. 5 gauge fits 5 and 5 1/2 lb axes.

HICKORY AXE HANDLES
SINGLE BIT
—BLUE GRASS—Hickory.

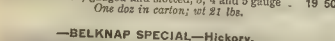


Single bit, straight pattern, plain end, oval.
Finest super second growth young white hickory. Hand shaved

	Per Doz
No. 51—36 in	$18 75
No. 51$—36 in, gauged and slotted, 3, 4 and 5 gauge	19 50

One doz in carton; wt 21 lbs.

—BELKNAP SPECIAL—Hickory.

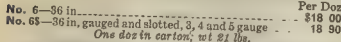


Single bit, Kentucky pattern, scroll end, octagon.
White, second growth hickory, hand shaved.

	Per Doz
No. 6—36 in	$18 00
No. 6$—36 in, gauged and slotted, 3, 4 and 5 gauge	18 90

One doz in carton; wt 21 lbs.

—BELKNAP SPECIAL—Hickory.

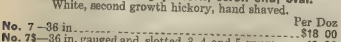


Single bit, Kentucky pattern, scroll end, oval.
White, second growth hickory, hand shaved.

	Per Doz
No. 7—36 in	$18 00
No. 7$—36 in, gauged and slotted, 3, 4 and 5 gauge	18 90

One doz in carton; wt 21 lbs.

—PRIDE OF KENTUCKY—Hickory.

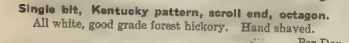


Single bit, Kentucky pattern, scroll end, octagon.
All white, good grade forest hickory. Hand shaved.

	Per Doz
No. 63—36 in	$15 75
No. 63$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 21 lbs.

—PRIDE OF KENTUCKY—Hickory.



Single bit, Kentucky pattern, scroll end, oval.
All white, good grade forest hickory, hand shaved.

	Per Doz
No. 64—36 in	$15 75
No. 64$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 21 lbs

—PRIDE OF KENTUCKY—Hickory.

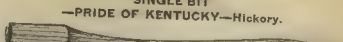
Single bit, market pattern, plain end, octagon.
All white, good grade forest hickory, hand shaved.

	Per Doz
No. 65—36 in	$15 75
No. 65$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 22 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3½, 4 and 4½ lb axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

HICKORY AXE HANDLES
SINGLE BIT
—PRIDE OF KENTUCKY—Hickory.

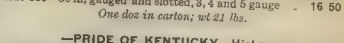


Single bit, market pattern, plain end, oval.
All white, good grade forest hickory, hand shaved.

	Per Doz
No. 66—36 in	$15 75
No. 66$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 21 lbs.

—PRIDE OF KENTUCKY—Hickory.

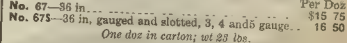


Single bit, straight pattern, plain end, oval.
All white, good grade, forest hickory, hand shaved.

	Per Doz
No. 67—36 in	$15 75
No. 67$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 23 lbs.

—PRIDE OF KENTUCKY—Hickory.



Single bit, straight pattern, plain end, octagon.
All white, good grade forest hickory, hand shaved.

	Per Doz
No. 68—36 in	$15 75
No. 68$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 50

One doz in carton; wt 23 lbs.

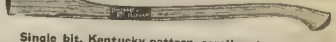
—PINE KNOT—Hickory.

Single bit, Kentucky pattern, scroll end, octagon.
All white hickory, hand-shaved.

	Per Doz
No. 18—36 in	$15 45
No. 18$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 20

One doz in carton; wt 20 lbs.

—PINE KNOT—Hickory.

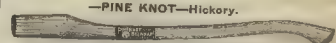


Single bit, Kentucky pattern, scroll end, oval.
All white hickory.

	Per Doz
No. 28—36 in	$15 45
No. 28$—36 in, gauged and slotted, 3, 4 and 5 gauge	16 20

One doz in carton; wt 21 lbs.

—CYCLONE—Hickory.



Single bit, market pattern, plain end, octagon.
Good quality white hickory, hand shaved.

	Per Doz
No. 43—36 in	$11 55
No. 43$—36 in, gauged and slotted, 3, 4 and 5 gauge	12 30

One doz in carton; wt 19 lbs.

Note—Gauged and slotted axe handles furnished in gauges Nos. 3, 4 and 5; when ordering specify gauge wanted. No. 3 gauge fits 3½, 4 and 4½ lb axes. No. 4 gauge fits 4½ and 5 lb axes. No. 5 gauge fits 5 and 5½ lb axes.

NO. 1 STEWART BALL BEARING, ENCLOSED TYPE CLIPPING MACHINE FOR HORSES, MULES AND COWS

The gearing is all enclosed in a dust and dirt proof case and runs in oil constantly.

It has a solid tripod base, a strong upright and its gears are all cut from solid steel made file hard.

A slow turning of the handle is transformed by the ingenious mechanism of the gears to a high speed in the knife.

It turns so easily that it is mere play to run it.

The entire machine is sturdy, compact and perfect in every detail of material and workmanship.

The price puts it within reach of every farmer and horse owner.

No. C1—Ball bearing, complete with 6 ft. of flexible shaft and Stewart clipping knife and handle, shipping w't 36 lbs. ..... each *$14.00*

STEWART ELECTRIC CLIPPING MACHINE

PEDESTAL TYPE

For Horses, Cows and Mules.

Where there is considerable clipping to do this machine quickly pays for itself. Equipped with ½ H. P. motor, at a speed of 1800 R. P. M., it clips very fast and takes care of a large amount of work. Clips horses, mules and cows.

For the efficiency and smooth, easy running required in clipping, no machine equals the Stewart.

Pedestal Type.

The 6½-ft flexible shaft is connected by universal joint to armature shaft of motor, making a positive drive with no chance for lost motion.

Fitted with improved Stewart Single Tension Clipping Head, requiring less tension than any other style of head; knives stay sharp longer and give more efficient service.

Used for sheep shearing by fitting with a Special Sheep Shearing Attachment.

Has good length cord and convenient switch for starting and stopping.

Furnished in 32, 110 or 220 volt, direct current; 110 or 220 volt, 60 cycle alternating current.

No. F85P.T.—Stewart electric clipping machine, shipping w't 100 lbs.★ ..... each *$80.00*

No. F3250—Stewart sheep shearing attachment, shipping w't 15 lbs.★ ..... each *$32.50*

No. F11250—Stewart combination electric shearing and clipping machine, shipping w't 115 lbs., each★ *$112.50*

Specify on orders whether machine is for direct or alternating current, also if 32V, 110V, or 220V.

STEWART SHEEP AND GOAT SHEARING MACHINE

The gearing is all enclosed in a dust and dirt proof case, and runs in oil constantly.

Solid tripod base, strong upright, and gears cut from steel made file hard.

A slow turning of the handle is transformed, by the ingenious mechanism of the gears, to a high speed in the knife.

Solid core shaft with universal joints, may be turned in any direction.

Shears are of simple adjustment and of equal tension throughout. Perfectly balanced, will shear all grades of wool.

No. C9—Ball bearing, each joint in the shaft and the shear is fitted with ball bearings, the large balance wheel aids in easy turning, fitted with No. C7 Stewart ball bearing shear, 2 combs and 2 cutters, w't boxed 50 lbs., each *$24.00*

STEWART ELECTRIC SHEARING MACHINES

PEDESTAL TYPE

This machine is especially adaptable where a large flock of sheep is to be shorn.

Includes ½ H. P. motor, at a speed of 1800 R. P. M. It saves time in shearing and removes the wool in one unbroken blanket, leaving a smooth, even stubble for the following year's growth.

The universal jointed shaft that drives the shear is connected direct to armature shaft of motor, driving shearing head smoothly without any lost power. Equipped with Stewart Air Cooled Shearing Head. For fast shearing, economy and durability it cannot be equalled. It gets the wool faster, and because of its perfected mechanism runs absolutely smooth.

Pedestal Type.

Used as a clipping machine, by fitting with a Special Clipping Attachment.

Has good length cord and convenient switch for starting and stopping.

Furnished in 32, 110 or 220 volt, direct current; 110 or 220 volt, 60 cycle alternating current.

No. F95PS—Stewart electric shearing machine, shipping w't 100 lbs.★ ..... each *$95.00*

No. F1750—Stewart clipping attachment, shipping w't 15 lbs.★ ..... each *$17.50*

No. F11250—Stewart combination electric shearing and clipping machine, shipping w't 115 lbs., each★ *$112.50*

Specify on orders whether machine is for direct or alternating current, also if 32V, 110V, or 220V.

★Items Marked Thus ★ Are Shipped From Factory Only.

CLIPPING ATTACHMENTS FOR CLIPPING HORSES, MULES AND COWS

For Use on Nos. C6, C8, C9 and "New Model" Sheep Shearing Machines.

No. C1050SC—Clipping attachment, complete with 6 ft. of high grade flexible shaft and chain, eye spindle, Stewart horse clipping knife and handle and connecting parts as illustrated, shipping w't 10 lbs., each *$10.50*

POWER SHEARING MACHINE

STEWART "ONE MAN"

Belts to Any Farm Engine

Has complete clutch bracket with 3½ inch pulley. Readily belted to any engine. When not shearing, simply throw the clutch lever over to put out of gear. The bracket is of heavy cast iron made to fasten to a post or side of building.

A very high grade sheep shearing machine operated by one man and designed especially for the farmer who has an engine and from a few up to 200 or 3000 sheep.

Three universal joints give a wide range of flexibility to the shaft so that operator can shear any part of the sheep without changing his position.

No. C25 O. M. S.—Stewart One-Man Power Shearing Machine, complete with 42 in. jointed shaft, No. C7 Shear, 2 Combs, 4 cutters and bolts for attaching the clutch bracket. ..... each *$25.00*

SHIPPING WEIGHT 40 LBS.

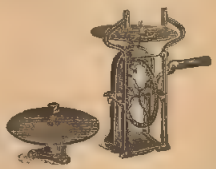
SHEEP AND GOAT SHEARING ATTACHMENTS

For use on Stewart Nos. C1 or C2 Chicago horse clipping machines.

No. C77—Ball bearing, for Nos. C1 and C2 Chicago horse clipping machines or on any hand power Stewart sheep shearing machines, consists of solid core shearing shaft fitted with ball bearings, No. C7 Stewart ball bearing shear and 2 combs and 4 cutters, w't 20 lbs., complete, each *$16.00*

In ordering ball bearing sheep shearing machine attachments mention number of machine and when it was purchased.

THE NEW NO. C2 STEWART AUTOMATIC GRINDER



The best hand operated sharpening device made for horse clipping or sheep shearing machine plates.

Grinding disc is covered with emery cloth on the same principle as the large power grinding machines used in large shearing plants. This emery cloth surface can be renewed any time at very little expense. Grinder is practically everlasting. It is the most practical grinder for dealers or others who have considerable grinding to do and who do not wish to purchase a power grinder.

In ordering give our names and numbers of plates to be sharpened so proper clamp rods will be supplied. No cams to change on this grinder. Each grinder shipped complete with emery cloth, liquid cement, clamp block and clamp rod. Diameter of disc 14½ in., height of grinder over all 2 ft., w't boxed for shipment 110 lbs.

No. C2—Automatic grinder, complete as described, each *$45.00*

THE IMPROVED STEWART NO. C11 GRINDERS

For use on the No. C1 horse clipping machine and on the No. C9 sheep shearing machine. Constructed of metal throughout, may be attached to the machine in place of the shaft by means of an ingenious mechanism. This attachment makes is possible to put a perfect edge on the knives of No. C1 horse clipper or Nos. C8 or C9 sheep shearer in a few seconds time, obviating the time and expense incurred in sending them away to be sharpened.

No. C11—Grinder attachment complete, w't boxed 8 lbs., each *$6.75*

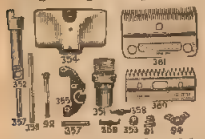
PARTS FOR STEWART CUTTING HEAD FOR HORSE CLIPPING MACHINES

Patented.

AS SUPPLIED SINCE JANUARY 1, 1915

Caution—Do not file or grind any part of the clipping head in any way. It is exactly right to cut best. The only grinding to be done is to re-sharpen the cutting plates when they get dull, and that must be done right.

Be sure to let parts Nos. C358 and C359 alone. If they should be removed in any way, do not attempt to use the clipper head until they are properly replaced. Remove before grinding and replace after.



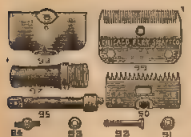
Complete.

This clipping handle and knife will fit **only the square end type of shaft** as furnished with all Stewart horse clipping machines since January 1, 1915.

No. C1B—Handle and knife, complete	each		$4.50
No. C2B—Knife, without handle	each		3.50
No. C3B—Handle only	each		1.50
No. C351—Taper sleeve	each		.50
No. C352—Drive pin	each		.35
No. C353—Drive ball	each		.15
No. C354—Brace	each		.75
No. C355—Cross head	each		.50
No. C356—Cross head pin	each		.15
No. C357—Guide pins	each		.10
No. C358—Ball boss	each		.05
No. C359—Socket boss	each		.10
No. C360—Top plate	each		1.50
No. C361—Bottom plate	each		2.00
No. C91—Tension spring	each		.15
No. C92—Tension bolt	each		.10
No. C94—Tension nut	each		.10

STEWART HORSE CLIPPING KNIVES AND PARTS FOR SAME

AS SUPPLIED BEFORE JANUARY 1, 1915



This clipping handle and knife will fit only the round end type of shaft as furnished will all Stewart horse clipping machines before January 1, 1915.

No. C1C—Handle and knife, complete	each		$4.50
No. C2C—Knife, without handle	each		3.50
No. C3C—Handle only	each		1.50
No. C90—Top plate	each		1.50
No. C91—Tension spring of handle	each		.15
No. C92—Tension bolt of handle	each		.10
No. C93—Eccentric roll of handle	each		.15
No. C94—Tension nut of handle	each		.10
No. C95—Pin and shaft of handle	each		.35
No. C97—Shank of handle	each		.50
No. C98—Front part of handle	each		.60
No. C99—Bottom plate	each		2.00

ASSORTMENT OF PARTS FOR STEWART C1B AND C1C CLIPPING HEADS

In order to simplify the handling of orders from dealers for small Clipping Machine repair parts, the factory has gotten up a small assortment, consisting of nine 5 & 10 cent parts for which the demand is greatest.

No. C23—ASSORTMENT OF PARTS FOR STEWART C1B AND C1C CLIPPING HEADS:—

Quantity	No.	Part		Where Used
12	C91	Tension Springs	$0.15 Each	C1B or C1C Head
12	C92	Tension Bolts	.10 Each	C1B or C1C Head
6	C93	Eccentric Rolls	.15 Each	C1C head only
12	C94	Tension Nuts	.10 Each	C1C or C1B Head
6	C353	Drive Balls	.15 Each	C1B head only
6	C356	Cross Head Pins	.15 Each	C1B head only
12	C357	Guide Pins	.10 Each	C1B head only
6	C358	Ball Boss	.05 Each	C1B head only
6	C359	Socket Boss	.10 Each	C1B head only

Total Value..$9.00

Each assortment put up in a pasteboard box with separate compartment for each item, properly labeled with part number and description, weight per assortment 1 lb., per assortment $9.00

COMBS AND CUTTERS FOR STEWART HAND POWER SHEEP SHEARING MACHINES

No. C276.

No. C277.

No. C276—Cutter or top plate ..... each $0.30
No. C277—Comb or bottom plate ..... each 1.00

The No. C277 Comb and No. C276 Cutter here shown are for the Stewart No. C5 and Stewart No. C7 Shears. They will not fit the Stewart No. C12 or No. C4 Shears.

STEWART T.L.O. (TAKE LESS OFF) SHEEP AND GOAT SHEARING COMBS

An amazing new invention that sheep ranchers in Texas, Western and Northern states have been waiting for. Leaves sufficient covering on the animal's body to protect it from severe weather. Designed on a new principle, which leaves the desired length of wool or mohair on animal, at the same time it runs with all the ease and smoothness of the thinnest comb of standard type. The T.L.O. Comb is no heavier than the ordinary standard comb and owing to its special design can be reground and sharpened until completely used up, without touching or interfering with the bevel and set of teeth. The deflected teeth beyond the cutting surface are drawn and spring tempered to prevent breaking.

Showing Hump of Curved Teeth.

Showing Cutting Surface of Teeth.

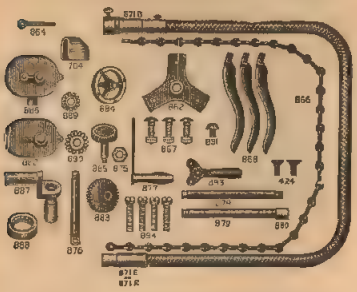
These sheep shearing combs will fit the Nos. C7 and C5 Stewart Shearing Heads or any other shearing head on which the No. C277 regular Stewart Sheep Shearing Comb is now being used. Used in connection with the regular No. C276—3 prong cutter.

No. C1 3/16—T. L. O. Narrow type Stewarts Sheep Shearing Comb, **especially pointed and bevelled for shearing dense-wooled sheep of the Merino type** ..... each $1.75

No. C2 3/8—T, L. O. Narrow type, Stewarts Sheep Shearing Comb, **especially pointed and bevelled for shearing goats and light open-wooled sheep only** ..... each $1.75

ONE IN A LITHOGRAPHED TIN BOX

PARTS FOR STEWART NO. C1 BALL BEARING ENCLOSED GEAR CLIPPING MACHINES



AS SUPPLIED SINCE AUGUST 1, 1908

No. C704—Gear cap ..... each $0.75
No. C862—Leg bracket ..... each .75
No. C864—Cotter pin ..... each .02
No. C866—Chain, 6 ft. long ..... each 3.00
No. C867—Bracket, stud and nut ..... each .08
No. C868—Legs ..... each .50
No. C871—Shaft, without chain, 6 ft. long, **old style, with round end ferrule to fit No. C1C clipping head,** each 3.50
No. C871A—Shaft, without chain, 6 ft. long, **new style, with square end ferrule to fit No. C1B clipping head,** each 3.50

IMPORTANT NOTE—When shaft is for machine purchased since Jan. 1, 1915, specify it as No. C871A.

No. C871E—3 in. ferrule for No. C871 shaft.. each $0.35
No. C871F—3 in. ferrule for No. C871A shaft, each .35
No. C871B—5 in. ferrule for No. C871 or No. C871A shaft ..... each .50
No. C875—Handle nut ..... each .05
No. C876—Eye spindle ..... each .55
No. C877—Crank, complete ..... each .75
No. C879—Either section of upright, 13 in. long, each ..... .60
No. C880—Coupling for upright ..... each .30
No. C882—Gear case cover ..... each 1.00
No. C883—Intermediate gear and pinion ..... each 2.50
No. C884—Balance wheel and spindle ..... each 1.50
No. C885—Drive gear and spindle ..... each 2.00
No. C886—Gear case ..... each 1.50
No. C887—Gear head ..... each 1.75
No. C888—Balls and ball cup ..... per set .85
No. C889—Small cog ..... each .50
No. C890—Large cog ..... each .60
No. C891—Gear cap screw ..... each .05
No. C424—Grip handle screws ..... each .05
No. C893—Grip handle ..... each .35
No. C894—Gear case screw ..... each .05

ACCESSORIES FOR ALL STEWART HORSE CLIPPING MACHINES

No. C897G—Shaft **with chain,** 6 ft. long, with **old style, round end ferrule to fit No. C1C clipping head** for No. C1 horse clipping machines, each $6.50

No. C898G—Shaft **with chain,** 6 ft. long with **new style, square end ferrule to fit No. C1B clipping head** for No. C1 horse clipping machine, each $6.50

No. C722G—Shaft **with chain,** 6½ ft. long, with **old style, round end ferrule to fit No. C1C clipping head** for No. C2 horse clipping machine, each $8.75

No. C723G—Shaft **with chain,** 6½ ft. long, with **new style, square end ferrule to fit No. C1B clipping head** for No. C2 horse clipping machine, each $8.75

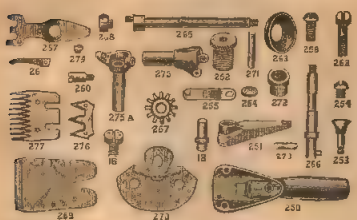
All horse clipping machines supplied since January 1, 1915 have been fitted with square end shafts, which fit only the No. C1B clipping head with square shank. The No. C1C, old style, round shank clipper head will fit only the old style, round end shaft.

No. C866A—Chain links, separate, for flexible, per dozen $0.75
No. C2OQ—Oil, in quart cans ..... per quart .75
No. C4OG—Oil, in gallon cans ..... per gallon 2.00
No. C1CG—Chain Paste, 1 lb. can ..... each .40

STEWART HORSE AND COW CLIPPER PLATE ASSORTMENT

No. C2100—Assortment consists of—
4 only—C360 Top Plates
4 only—C361 Bottom plates
2 only—C90 Top Plates
2 only—C91 Bottom Plates
Per assortment $21.00
ONE ASSORTMENT MOUNTED ON A HANDSOME EASEL DISPLAY CARD MEASURING 16x22 in.

NO. C5 STEWART SHEAR AND PARTS



Shear Complete.

	Each.
No. C250—Shell	1.50
No. C251—Lid	1.50
No. C252—Tension nut	.35
No. C253—Tension pin	.35
No. C254—Oil hole screw	.05
No. C255—Tension spring	.10
No. C16—Comb screw	.15
No. C257—Fork, complete	3.50
No. C258—Tension spring screw	.05
No. C18—Fork pin	.15
No. C260—Joint screw	.05
No. C261—Fork tongue	.35
No. C262—Lid screw	.05
No. C15—Ferrule	.15
No. C264—Tension nut disc	.10
No. C265—Main spindle	.80
No. C266—Joint spindle	.60
No. C267—Cog	.50
No. C268—Crank roller	.25
No. C269—Leather handle grip	.50
No. C269A—Lace for handle grip	.25
No. C270—Joint guards, set	.40
No. C270A—Lace for joint guard	.15
No. C271—Tongue pin	.05
No. C272—Shell cup	.15
No. C273—Joint spindle pin	.05
No. C274—Fulcrum ball	.10
No. C275—Upper joint yoke	1.50
No. C275A—Lower joint yoke	1.50
No. C276—Cutter	.30
No. C277—Comb	1.00

NO. C7 STEWART BALL BEARING SHEARS AND PARTS

Complete.

No. C7—Complete with 1 set comb and cutter, w't 3¾ lbs. ..... each $10.50

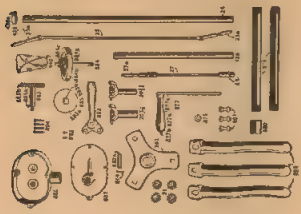
This is the shear supplied with all No. C9 ball bearing shearing machines.

Will fit on any Stewart hand power sheep shearing machine no matter when purchased. All that is necessary is to mention the year in which the machine was bought. With this new shear there can be no question about the ease with which the work of sheep shearing is done.

PARTS FOR NO. C7 BALL BEARING SHEAR

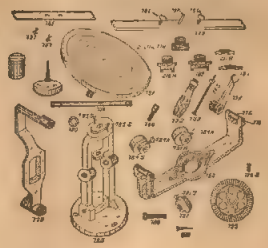
	Each.
No. C250A—Frame	$1.50
No. C251—Lid	1.50
No. C252—Tension nut	.35
No. C253—Tension pin	.35
No. C254—Oil hole screws	.05
No. C255—Tension spring	.10
No. C16—Comb screws	.15
No. C257—Forks	3.50
No. C258—Tension spring screw	.05
No. C18—Fork pin	.15
No. C261—Fork tongue	.35
No. C262—Lid screws	.05
No. C263A—Ferrule	.15
No. C264—Tension nut disc	.10
No. C268—Crank roller	.25
No. C269—Leather handle grip	.50
No. C269A—Lace for No. C269 grip	.25
No. C1DL—Joint guards, set	.35
No. C270A—Lace for DL guard	.15
No. C271—Tongue pin	.05
No. C272—Shell cup	.15
No. C273—Joint spindle pin	.05
No. C274—Fulcrum ball	.10
No. C276—Cutter	.30
No. C277—Comb	1.00
No. C278—Joint spindle	.60
No. C279—Main spindle ball race	.40
No. C280—Main spindle	.75
No. C31-9—Cogs without threads	.50
No. C282—Upper joint yoke	1.50
No. C30-9X—Lower joint yoke	1.50
No. C284—Ball bearings for main spindle	.40
No. C285—Ball bearings for gears	.50

PARTS FOR NO. C8 STEWART SHEEP SHEARING MACHINE



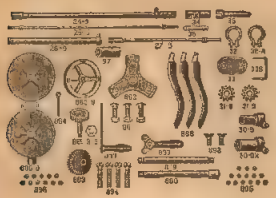
		Each.
No.	C24—Long tube	$2.00
No.	C25—Long spindle, complete	2.50
No.	C25A—End of long spindle	.35
No.	C25B—Pin for C25A or C27A	.05
No.	C26—Short tube	1.50
No.	C27—Short spindle, complete	1.00
No.	C27A—Cog end of short spindle	.35
No.	C30—Yoke, ⅜ in. diameter	1.50
No.	C30A—Yoke, ⅝ in. diameter	1.50
No.	C432—Cogs	.75
No.	C34—Bayonet ferrule	.35
No.	C34A—Pin for No. C34 ferrule	.05
No.	C436—Tube clamp, complete	.40
No.	C436A—Tube clamp screw	.10
No.	C440—Leather guard	.30
No.	C862—Foot bracket	.75
No.	C864—Cotter pin for gear stud	.02
No.	C867—Bracket studs	.08
No.	C868—Feet	.50
No.	C875—Crank nut	.05
No.	C877—Complete crank	.75
No.	C879—Uprights either section, 13 in. long	.60
No.	C880—Couplings for uprights	.30
No.	C882—Gear case cover	1.00
No.	C883—Complete intermediate gear and pinion	2.50
No.	C884—Complete balance wheel and spindle	1.50
No.	C885—Drive gear and spindle	2.00
No.	C886—Gear case	1.50
No.	C424—Grip handle screws	.05
No.	C893—Grip handle	.35
No.	C894—Gear case screws	.05
No.	C24X—Complete jointed shaft (less gear)	7.50

PARTS FOR NO. C3 STEWART AUTOMATIC GRINDER



		Each.
No.	C775—Oscillator	$3.00
No.	C776—Cross bar roller	.25
No.	C778—Cross bar	1.50
No.	C779—Roller pin	.10
No.	C780—Guide plug	.40
No.	C781—Grinding disc	6.00
No.	C782—Cross arm	2.00
No.	C783—Flat tension spring	.50
No.	C784H—Cam used when sharpening horse clipper plates	.70
No.	C784S—Cam used when sharpening sheep shearing plates	.70
No.	C784A—Set screw for cams	.05
No.	C785—Frame	7.50
No.	C785S—Cross arm screws	.05
No.	C871G—Thumb Screw	.20
No.	C787—Clamp for No. C90 or No. C360 top plate	.25
No.	C788—Oscillator bolt	.50
No.	C789—Clamp for No. C99 or C361 bottom plate	.25
No.	C430—Frame washer	.05
No.	C791—Pinion	.75
No.	C784A—Set screw for pinion	.05
No.	C792—Wood handle	.20
No.	C793—Handle bolt	.15
No.	C794—Crank only	1.00
No.	C425—Set screw for crank	.05
No.	C795—Driving gear	2.50
No.	C784A—Set screw for driving gear	.05
No.	C796—Axle	.50
No.	C797—Bolts for tension spring	.10
No.	C798—Guide pin	.10
No.	C799—Base screw	.05
No.	C216H—Clamp for No. C216 clamp	.25
No.	C217H—Clamp for No. C217 cutter	.25
Nos.	C276H and C277H—Clamp for either No. C276 cutter or No. C277 comb	.25

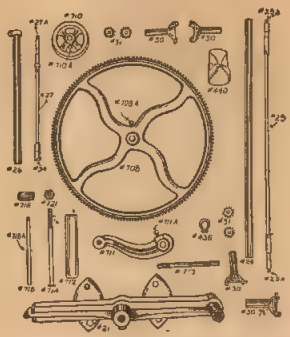
Customers are kindly asked to order repair parts carefully. If in doubt, better mail the part to be duplicated and if your name and address as well as ours is on the parcel there will be neither delay nor error in taking care of your wants. Always order repair parts by our numbers and names.



PARTS FOR NO. C9 STEWART SHEARING MACHINES

	Each.
No. C24-9—Long tube	$2.00
No. C25-9—Long spindle, complete	2.50
No. C26-9—Short tube	1.50
No. C27-9—Short spindle	1.00
No. C30-9—Yoke	1.50
No. C30-9X Yoke	1.50
No. C267—Cog threaded	.50
No. C31-9—Cog, not threaded	.50
No. C32—Upper tube clamp	.35
No. C32A—Lower tube clamp	.35
No. C33—Leather guard	.25
No. C33B—Hook for leather guard	.02
No. C34—Bayonet ferrule	.35
No. C35—End of long or short spindle	.35
No. C36—End of short spindle pin	.05
No. C37—Back bushing	.20
No. C44X—Complete B. B. jointed shaft (less shear)	8.50
No. C862—Leg bracket	.75
No. C864—Cotter pin	.02
No. C865-9—Balance wheel and spindle	1.75
No. C867—Bracket stud and nut	.08
No. C868—Legs	.50
No. C875—Hexagon nut for crank	.05
No. C877—Crank, complete	.75
No. C879—Either portion of upright	.60
No. C880—Coupling for upright	.30
No. 882-9—Gear case cover	1.00
No. C883—Intermediate gear and pinion	2.50
No. C885—Drive gear and spindle	2.00
No. C886-9—Gear case	1.50
No. C424—Grip handle screws	.05
No. C893—Grip handle	.35
No. C894—Gear case screws	.05
No. C285—Set of ball bearings for gears	.50
No. C284—Set of ball bearings for spindles	.40

PARTS FOR STEWART NEW MODEL SHEEP AND GOAT SHEARING MACHINES



	Each
No. C21—Frame	$6.00
No. C24—Long tube	2.00
No. C25—Long spindle, complete	2.50
No. C25A—End of long spindle	.35
No. C25B—Pin for Nos. C25A and C27A spindle ends	.05
No. C26—Short tube	1.50
No. C27—Short spindle, complete	1.00
No. C27A—Cog end of short spindle	.35
No. C30—Yoke ⅛ in. diameter for shaft	1.50
No. C30A—Yoke ⅞ in. diam. for attaching shaft to machine	1.50
No. C432—Cog	.75
No. C34—Bayonet ferrule	.35
No. C34A—Pin for No. C34 ferrule	.05
No. C436—Tube clamps	.40
No. C440—Leather guard	.30
No. C708—Drive wheel	5.00
No. C708A—Set screw for drive wheel	.05
No. C710—Balance wheel	1.50
No. C710A—Set screw for balance wheel	.05
No. C711—Crank only	1.00
No. C711A—Set screw for crank	.05
No. C712—Wood handle for crank	.50
No. C713—Axle for No. C708 drive wheel	.75
No. C714—Bolt for wood handle of crank	.25
No. C716—Spur pinion	.60
No. C718—Pinion shaft	.50
No. C34A—Lock pin	.05
No. C721—Hexagon nut for handle bolt	.10
No. C24X—Complete jointed shaft (less shear)	7.50

TINNERS' SNIPS

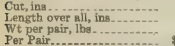
—BLUE GRASS—Combination Pattern.

Tempered straight blades; jaws are ground and shaped so they will cut curves and irregular shapes as well as straight work.

Nos.	200	199	198
Cut, ins	2½	3	3½
Length over all, ins	11½	12½	13½
Wt per pair, lbs	1¾	2	2¼
Per Pair	$5 40	6 00	6 75

One pair in carton.

—BLUE GRASS—



Forged steel, with crucible tool steel laid blades; full polished; gun metal finished handles; every snip carefully tested.

Nos.	Cut, ins	Length over all, ins	Wt per pair, lbs	Per Pair
412	2	8	1½	$3 00
411	2¼	9	1¾	3 60
410	2½	11½	1¾	4 50
409	3	12½	2¼	5 10
408	3½	13½	2¾	5 70
407	4	14½	3½	7 20
406½	4½	15½	3¾	8 25

Nos. 412 and 411 six pair in carton; Nos. 410 to 406½ one pair in carton.

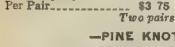
—PINE KNOT—

Drop forged steel, with crucible steel laid blades polished; black japanned handles.

Nos.	10	9	8	7	6½
Cut, ins	2½	3	3½	4	4½
Length over all, ins	10	11	12¼	14	16
Wt per pair, lbs	1	2	2½	2¾	3
Per Pair	$3 75	4 05	4 80	5 70	6 75

Two pairs in carton.

—PINE KNOT—Household.

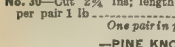


Solid drop forged carbon steel polished steel cutting edges, japanned handles. Used for cutting wire cloth, poultry netting, No. 16 wire, stove pipe and for general household and merchant's use. Per Doz Pair

No. 30—Cut 2¾ ins; length over all 10 ins; wt per pair 1 lb $23 25

One pair in paper envelope.

—PINE KNOT—Pocket.



Drop forged steel, carefully tempered; highly polished blades; black japanned finished handles. Per Doz

No. 72—Cut 2 ins; length over all 7 ins $19 50

Half doz in box; wt per doz 6¼ lbs.

—PINE KNOT—

Solid drop-forged from carbon steel; carefully tempered; polished cutting edges; japanned handles; machine hollow ground. Per Doz

No. 40—Cuts 3¼ ins; length 12 ins $25 50

One third doz in box; wt per doz pair 12½ lbs.

TINNERS' SNIPS

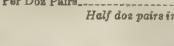
NEW STAR

Cast iron, ground blades, polished; japanned handles.

Nos.	2	2½	3
Cut, ins	2	2½	3
Length over all, ins	9¾	11	12
Wt per pair, lbs	4	12	24
Per Doz Pairs	$12 00	13 50	15 00

Half doz pairs in cardboard box.

P. S. & W. Circular.

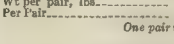


Drop forged of refined iron, with cast steel laid blades, properly hardened; black enameled handles.

Nos.	C9	C8	C7
Cut, ins	3	3½	4
Length over all, ins	12	12½	14½
Wt per pair, lbs	1½	2	2½
Per Pair	$8 25	9 00	10 50

One pair in paper.

LYON, Circular and Scroll.



Best steel blades, polished; forged handles, maroon enameled; made so as to easily cut circles, scrolls, etc.

Nos.	190	180	170
Cut, ins	2½	3	3½
Length over all, ins	12½	13	14
Wt per pair, lbs	1½	1¾	2¼
Per Pair	$5 40	6 00	6 75

One pair in cardboard box.

PEXTO

Improved Trojan.

Drop forged steel, crucible tool steel laid blades, full polished; gun metal finish handles. Specially designed for straight and irregular cutting, small circles and scrolls. Will cut 26 gauge metal. Per Pair

No. 79—Length cut 2½ ins; length over all 13 ins $8 25

One in carton; wt per pair 2 lbs.

BERRIDGE, Double Cutting.

Drop forged of refined iron, center blade of solid steel tool; outer jaw laid steel; polished jaws; japanned handles; blades can be inserted in metal at any point; will cut stove pipe, bottom of pails, cans, etc., also suitable for round or square work; size cut 2 inches, length over all 13½ inches. Each

No. 3B—Wt each 2 lbs $7 80

No. 2B—With solid steel crimping attachment; wt each 2¼ lbs 9 00

One in carton.

BLOW TORCHES

TURNER MASTER LINE

Burns Gasoline or Kerosene.

Polished heavy seamless drawn brass tank, concave bottom; pistol grip handle. One opening on top making it impossible to overflow. Equipped with safety valve that automatically opens and closes at 40 lbs. pressure making it safe against bursting, etc. The baffle is the obstruction in the burner on which the flame is constantly applied, heating the fuel to a hot dry gas insuring vaporization, thus generating 400 degrees more heat on lower fuel consumption. The flared tube in the front of the fuel jet automatically syphons the correct proportion of air regardless of the size of flame desired.

TURNER

Burns Gasoline or Kerosene.

Heavy burner produces powerful and very hot flame.

Each

No. 43—Capacity 1 qt; diam 4 ins; height over all 10¼ ins **$16 50**

One in carton; wt each 4 lbs.

TURNER

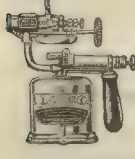
Burns Gasoline or Kerosene.

Extra heavy burner giving very large hot flame.

Each

No. 45—Capacity 1 qt; diam 4 ins; height over all 10¼ ins **$18 75**

One in carton; wt each 4 lbs.



TURNER

Burns Gasoline or Kerosene.

Flat type auto torch with extra heavy burner.

Each

No. 52—Capacity 1 pt, length base 5 ins; width 2½ ins; height over all 10½ ins **$19 50**

One in carton; wt each 3 lbs.

TURNER

Burns Gasoline or Kerosene.

Two jet hydro-carbon burner in which both jets junction, producing a flame within a flame.

Each

No. 48—Capacity 1 qt; diam 4 ins; height over all 10½ ins **$20 25**

One in carton; wt each 4 lbs.

THE "IMP"

All brass, nickel plated. Will heat or solder anything; starts with a match; has no pump or valve; is entirely automatic and burns two hours on one filling. For hand or bench work. Produces a perfect Bunsen flame of over 2,000 degrees Fahrenheit. Per Doz

No. 372—Height over all 5 in; diam 2 ins **$39 00**

One in carton, one doz in wood box; wt per doz 3¼ lbs.

BLOW TORCHES

COMMON SENSE

Heavy brass construction. With copper burner coil. Adapted to light soldering uses, such as for Doctors, Druggists, Garage Mechanics, Electricians also for removing paint, thawing water pipes and general household purposes. Its working facilities are produced by expansion and will generate without pre-heating; has no needles or adjustments.

Per Doz

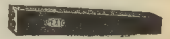
No. 1—Capacity ½ pt **$37 50**

One in carton; wt per doz 6 lbs.

RIVET SETS AND HEADERS

TINNERS'

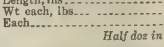
Drop forged steel, black finish, polished face, oil tempered.



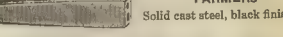
Nos.	0	1	2	3	4
Size hole, ins	3/32	¼	7/32	5/32	11/32
For iron rivets, lbs	12,10	8	6	5,4	3,2½
Length, ins	5	4½	4½	4½	4
Wt each, lbs	¾	¾	½	½	1/11
Each	$2 19	1 80	1 80	1 50	1 50
Nos.	5	6	7	8	
Size hole, ins	9/32	5/32	½	7/32	
For iron rivets, lbs	2,1¾	1½	1¾	12,10 oz.	
Length, ins	4	4	3½	3¾	
Wt each, lbs	5/11	¼	¾	½	
Each	$1 14	1 14	99	99	

Half doz in cardboard box.

FARMERS'



Solid cast steel, black finish.



Nos.	1F	2F	3F	4F
For copper rivets, Nos	7	8, 9	10	12
Length, ins	4½	4½	4½	4½
Wt per doz, lbs	7¾	4¾	4½	4
Per Doz	$5 55	5 55	5 55	5 55

Half doz in cardboard box.

STOVE PIPE MANDRELS

For Seaming Or Riveting Stove Pipe.

P. & B., Hollow.

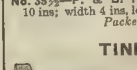
Cast iron, polished; with heavy clamp for attaching to bench. Each

No. 35½—P. & B. Holdfast. Length of shoulder 10 ins; width 4 ins, length over all 35½ ins **$9 00**

Packed loose; wt each 37 lbs.

TINNERS' TOOLS

GROOVING TOOLS



Japanned, forged steel, with polished tempered face.

Nos.	00	0	1	2	3
Size, ins	⅛	7/32	5/16	9/32	¼
Length, ins	5½	5½	5½	5½	5
Wt each, lbs	1¾	1¾	1¾	1½	1
Each	3 30	3 30	3 15	3 15	2 85
	$0 75	*75*	*63*	*63*	*50*

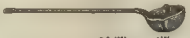
Packed loose.

MELTING LADLES

Malleable iron, double lipped.

Nos.	4	5	6
Diam of bowl, ins	4	5	6
Length over all, ins	16	19	21
Wt per doz, lbs	16	24	30
Per Doz	$7 95	12 75	15 00

Packed loose.



Wrought iron, double lipped, with eye for hanging.

Nos.	3½W	4W
Diam bowl, ins	3½	4
Lead capacity, lbs	3¼	4
Length of handle, ins	13	14
Wt per doz, lbs	15	16
Per Doz	$23 25	27 75

Packed loose.

GAS FURNACES

Double Burner.

Top of heavy sheet-iron brick lined. Each

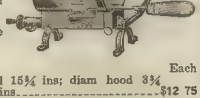
No. 2—Length 14½ ins; width 8½ ins; height 7 ins $19 80

One in wood box; wt each 12¾ lbs.

Single Burner.

Cast iron base, legs and burner, sheet iron hood.

Price does not include oldering copper.



Each

No. 1—Length over all 15¾ ins; diam hood 3¾ ins; height over all 7½ ins $12 75

Packed loose; wt each 4½ lbs.

FIRE POTS

BUTTLE'S PATENT

Burns Charcoal.

Japanned sheet iron body, cast iron legs, base, door and sliding top; base burner with double damper and reversible flue. Fitted with wire bail, wood handle. Each

No. 2—Height over all 16¾ ins; diam 8 ins; size opening 3¾x2¼ ins $16 50

One in crate; wt each 19 lbs.

FIRE POTS

CLAYTON AND LAMBERT

Burns Gasoline Only.

Heavy gauge seamless drawn steel tank reinforced, tinned inside and out, fitted with patented cushion protection band preventing injury to the base of the tank. Supplied with a large funnel and filler plug having a dust proof cap. Top section can be removed, thus producing an open fire. Each

No. 1—Capacity 1 gal; height over all 13 ins; diam base 9½ ins 33 00

One in box; wt each 13 lbs. *$34 60*

Each

No. 1-MP—Melting pot for No. 1, extra 1 95 *$1 65*

CLAYTON AND LAMBERT

Burns Gasoline Only.

Heavy gauge seamless drawn steel tank, tinned inside and out, fitted with cushion protection band at base. Supplied with brass ears, elbows, tees, pump, large funnel and filler plug with dust-proof cap, also three piece coil cup and top plate which enables operator to remove section by unscrewing three large brass nuts exposing burner and coil. Rubber bulb and hose fastened to brass fitting with check valve; wire bail with wood handle. Each

No. 12—Capacity 1 gal; height over all 17 ins; diam of base 8½ ins 24 00

One in carton; wt each 12 lbs. *$24 80*

Each

No. 12MP—Melting pot for No. 12, extra 1 95 *$1 65*

CLAYTON AND LAMBERT

Burns Gasoline Only.

Heavy gauge seamless drawn steel tank, tinned inside and out making it rust proof. Fitted with cushion protection band at base and supplied with automatic brass air pump, brass ears, elbows, tees, large funnel and filler plug with dust proof cap, also three piece coil cup and top plates which permits operator to remove section by unscrewing large brass nuts exposing burner and coil. The coil is made of extra heavy pipe and the burner of steel. The needle point valves are fitted with stuffing boxes. Each

No. 22—Capacity 1 gal; height over all 17 ins; diam of base 8½ ins 24 00

One in carton; wt each 12 lbs. *$25 00*

Each

No. 22 MP—Melting pot for No. 22, extra 1 95 *$1 65*

TURNER

Burns Gasoline Only.

Seamless drawn steel tank, bottom welded in. Spider casting supports the prig hts and eliminates leaks.

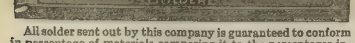
Extra large uprights and one piece coil cup sufficiently heavy to withstand rough use and abuse, will not warp.

Malleable top plate and one piece shield furnished. Each

No. 76—Capacity 7 pints; height over all 14½ ins; diam base 9½ ins 24 00

One in carton; wt each 12 lbs.

SOLDER
—BELKNAP'S GUARANTEED—

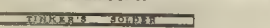


All solder sent out by this company is guaranteed to conform in percentage of materials composing it to the percentages indicated in describing it. Owing to the difficulty of consumers in getting honest solder, we have discarded the conventional method of description and changed to below. The first two figures given in each case indicate the percentage of tin and the next two figures the percentage of lead. Each bar of solder excepting wire solder, sent out by us will be stamped to show the percentages of tin and lead. In about 2 pound bars.

Per 100 Lbs

No. 38-62—Called No. 1 tinners'
No. 40-60—Called commercial half and half
No. 45-55—Called strictly half and half
No. 50-50—W.B.B. & Co., warranted half and half
No. 38P—38-62 Plumbers' wiping
100 lbs in wood box.
} Prices on application.

TINKER'S 50-50



Prices on application. Per Doz Bars

No. 6—Size 6½x1⅝x¼ in; approx 10 bars to the lb
One gro in wood box; wt per gro about 15 lbs.

WIRE SOLDER

A composition of lead and tin; on spools.

40% Tin; 60% Lead.

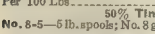
Nos.	8-10	10-10	8-60
Size spool, lbs	10	10	60
Gauge wire	8	10	8

Per 100 Lbs **Prices on application.**

50% Tin; 50% Lead. Per 100 Lbs

No. 8-5—5 lb. spools; No. 8 gauge wire **Prices on application.**

IN HANKS



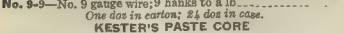
A composition of lead and tin, 40% tin, 60% lead.

Per Doz Hanks

Prices on application.

No. 9-9—No. 9 gauge wire; 9 hanks to a lb
One doz in carton; 2¼ doz in case.

KESTER'S PASTE CORE



This solder contains, in little cells running through the center of each stick, all the flux necessary. A perfect union can be made by laying a small piece of this solder on the parts to be joined and melting it with a gasoline torch or soldering iron. Non-corrosive and is especially adapted to electrical work.

Per 100 Lbs

No. 1—18 in. sticks, 5 sticks to lb
No. 4—18 in. sticks, 25 sticks to lb
1 lb in box.
} Prices on application.

KESTER'S ACID CORE, SELF-FLUXING

The solder is a hollow wire filled with an acid soldering flux of Strait's tin and St. Joe lead. The solder tube is a series of cells each separated from the others so that excess flux can not flow from remaining cells.

A practical solder for all general repair work including automobile repairs, household utensils etc. Can be used with or without soldering copper etc., ⅛ inch in diameter.

Per 100 Lbs

No. T-1ACS—1 lb. spools
No. T-5ACS—5 lb. spools
No. T-10ACS—10 lb spools
} Prices on application.

WIRE SOLDER

KESTER'S ACID CORE, SELF-FLUXING, Household Size.

Strait's tin and St. Joe's lead. A hollow wire solder filled with an acid soldering flux. The solder tube is a series of cells each separated from the others so that excess flux can not flow from remaining cells A practical solder for all general repair work including radio parts, household utensils, automobiles, etc. Can be used with or without soldering copper, etc. Per Carton of 10

No. T-10MM—Diam ⅛ in; ¼ lb in tin box **Prices on application.**

10 boxes in counter display stand; wt per carton 3 lbs.

KESTER'S ROSIN CORE, SELF FLUXING

A hollow wire solder filled with rosin soldering flux. The solder tube is a series of cells, each separated from the others so that excess flux can not flow from remaining cells. Especially designed for radio, telephone, switchboard and delicate electrical work; will not splatter or corrode. Can be used with or without soldering coppers

Diameter 1/16 inch. Per 100 Lbs

No. T1R—1 lb spools
No. T5R—5 lb spools
} Prices on application.

KESTERS ROSIN CORE, SELF-FLUXING RADIO SOLDER

A hollow ribbon of genuine tin and lead having inside a pure rosin flux, which is in proportion to the surrounding solder and feeds out as solder is used. Designed for assembling and repairing radio sets, switch board and other delicate electrical work, will not run over delicate parts, which causes high leakage.

Per carton of 10

No. T10RR—About ¼ lb in tin box. **Prices on application.**

10 boxes in counter display stand; wt per carton 3 lbs.

SUPREME, Household Size. Small Bars on Display Cards.

For repairing household utensils, small aluminum castings, aluminum patterns etc. Will solder aluminum to aluminum or aluminum to any other metal, melting point 500° fahrenheit.

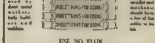
Prices on application.

Per Card

No. 123—Wt per card about 1 lb

One doz bars on display card.

SUPER, Garage Size. Half Pound Bars.

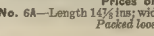


For repairing automobile parts, heavy aluminum casting and aluminum patterns, as are usually repaired by garage men. Will solder aluminum to brass or wrought iron copper or aluminum; melting point 500°fahrenheit. Per Lb

Prices on application.

No. 6A—Length 14⅞ ins; width 5/8 ins; depth 1¼ ins
Packed loose.

BAR LEAD



For ingot lead, see Department 3. Per 100 Lbs

No. 4—In 4 oz bars, 25 lbs to box **Prices on application.**

TINNERS' TOOLS

HOLLOW PUNCHES

Japanned, forged steel with polished tempered face.

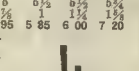
Nos.	4-H	6-H	8-H	10-H	12-H	14-H
Hole, ins	1/8	3/16	3/16	5/16	1/4	1/4
Length, ins	4 1/2	4 1/2	4 1/2	5	5	5
Wt each, lbs	1/8	1/4	3/16	1/2	5/8	3/4
Each	$2 40	2 40	2 40	3 00	3 66	4 29

Nos.	16-H	18-H	20-H	24-H
Hole, ins	1	1 1/16	1 1/16	1 1/16
Length, ins	5	5 1/2	5 1/2	5 3/4
Wt each, lbs	1/4	1	1 1/4	1 5/8
Each	4 95	5 85	6 00	7 20

Packed loose.

P. S. & W. ADJUSTABLE ROOFING TONGS

Stow's Pattern.



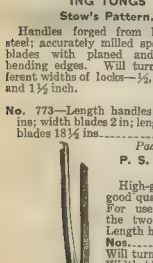
Handles forged from high-grade steel; accurately milled special steel blades with planed and polished bending edges. Will turn five different widths of locks—1/2, 3/4, 1, 1 1/4 and 1 1/2 inch.

Each

No. 773—Length handles 21 ins; width blades 2 ins; length blades 18 1/4 ins $20 70

Packed loose; wt each 9 1/2 lbs.

P. S. & W. REGULAR ROOFING TONGS

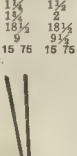


High-grade special tough steel handles; good quality steel blades, accurately milled. For use on the roof for drawing together the two layers of tin before cleating. Length handles 21 inches.

Nos.	771	771 1/4	771 1/2
Will turn lock, ins	1	1 1/4	1 1/2
Width blades, ins	1 1/2	1 3/4	2
Length blades, ins	18 1/2	18 1/2	18 1/2
Wt each, lbs	8	9	9 1/2
Each	$15 75	15 75	15 75

Packed loose.

P. S. & W. GUTTER TONGS

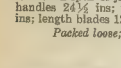


Handles forged from high grade special tough steel; accurately milled steel blades with planed and polished bending edges.

Each

No. 777—Depth of jaws 14 ins; length handles 24 1/2 ins; width blades 1 3/4 ins; length blades 12 1/2 ins $15 75

Packed loose; wt each 10 lbs.



P. S. & W. HAND ROOFING DOUBLE SEAMERS

Cast iron. Used for laying standing seam roofing by hand following the roofing tongs.

Nos.	744	745
Inches	3/4x1	1x1 1/4
Match up with roofing tongs, in	1x1 3/4	1 1/4x1 1/2
Wt each, lbs	8	9 1/2
Each	$4 50	4 80

Packed loose.

TINNERS' TOOLS

P. S. & W. DOUBLE ROOFING SEAMERS

Burritts Patent.

Will do the work more evenly than by any other process, and leave the formed lock of uniform height. Will work well over uneven roof boarding and will double seam hips and ridges with perfect ease. Fitted for I. C. tin. Set consists of two pairs.

Per Set

No. 742—Common gauge. Follows 1 and 1 1/4 ins tongs finishing a lock 3/4 in high $66 75

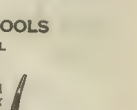
No. 742 1/2—Wide gauge. Follows 1 3/4 and 1 1/2 ins tongs finishing a lock 1 in high 66 75

Packed loose; wt per set 40 lbs.

SLATER'S TOOLS

RED DEVIL

Hammer.



Drop forged tool steel, polished and tempered point, head and cutting edges, painted red; sure grip leather filled handle. Made with sharp point on end for punching slate, claw for removing nails and sheet edge on neck between handle and hammer head for breaking slate.

Each

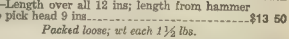
No. 582—Length over all 12 ins; length from hammer head to pick head 9 ins $13 50

Packed loose; wt each 1 1/2 lbs.

RED DEVIL

Ripper

Forged from tool steel, polished and tempered blade; shank and handle painted red. For removing nails and broken slate.



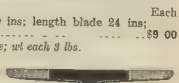
Each

No. 583—Length over all 30 ins; length blade 24 ins; length handle 6 ins $9 00

Packed loose; wt each 3 lbs.

RED DEVIL

Stake



Forged from tool steel, polished and tempered blades and point; body painted red. For breaking slate in any shape.

Each

No 584—Length over all 18 ins $5 25

Packed loose; wt each 8 lbs.

RED DEVIL

Punch.

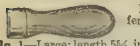
Forged from tool steel, polished and tempered point; body painted red. For punching holes in slate.

Each

No. 585—Length over all 4 1/2 ins $1 05

Half doz in cardboard box; wt each 4 ozs.

SOLDERING COPPER HANDLES



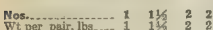
Hardwood, plain finish, metal ferrule, tinned.

Per Doz

No. 1—Large; length 5½ ins; for coppers 2½ to 6 lbs; $2 40
No. 2—Small; length 5 ins; for coppers 1 to 2½ lbs; 2 25

Packed loose; No. 1 wt per doz 2¼ lbs; No. 2, 2 lbs.

SOLDERING COPPERS



Best quality drawn copper bolts shaped under a hammer.

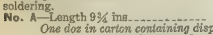
Nos.	1	1½	2	2½	3	4	5	
Wt per pair, lbs	1	1½	2	2½	3	4	5	6
Length copper, ins	3	4¼	4¼	5½	5½	5	6¼	
Length over all, ins	11	12	13	13½	14½	16	16	17¾

Per Pair

Prices on application.

Packed loose.

HANDY

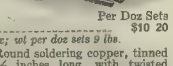


Pure copper point, heavily tinned; hardwood handle, black enameled; nickel plated ferrule. For radio, electrical and household soldering. Per Doz

No. A—Length 9¾ ins **Prices on application.**

One doz in carton containing display card with one mounted; wt per doz 1½ lbs.

SOLDERING SETS



Octagon soldering copper, 9 inches long, with black enameled handle; scraper with black enameled iron handle, 5¼ inches; box of rosin, bar of solder and piece of tin for tinning the copper. Per Doz Sets

No. 56—Household size $10 20

One set in cardboard box; wt per doz sets 9 lbs.

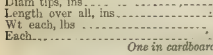
Round soldering copper, tinned 10½ inches long, with twisted wire shank securely fastened in basswood handle. Box of powdered rosin and bar of solder, also instructions for using. Per Doz Sets

No. 2—Family size $30 00

One set in wood box, wt per doz sets 12 lbs.

ELECTRIC SOLDERING COPPERS

"Also Dept. 5 Page 1228".



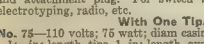
Blued steel casing; between casing and element is a layer of asbestos. Smooth hardwood handle; 6 feet flexible cord and attachment plug. For general work.

With One Tip.

Nos.	200	300
Volts	110	110
Watts	200	300
Diam casing, ins	1½	1½
Diam tips, ins	1	1½
Length over all, ins	16	16
Wt each, lbs	2¼	3
Each	$22 50	27 00

One in cardboard box.

DOVER



Blued steel casing; between casing and element is a layer of asbestos; smooth hardwood handle, varnished; 6 feet flexible cord and attachment plug. For switch board work, engraving, electrotyping, radio, etc.

With One Tip. Each

No. 75—110 volts; 75 watt; diam casing⅝ in; diam tips 1/16 in; length tips 1 in; length over all 13½ ins $18 75

One in cardboard box; wt each 1¼ lbs.

ELECTRIC SOLDERING COPPERS

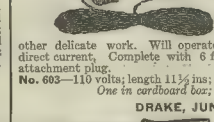
DRAKE, MECHANICS

Elements wound with nichrome wire on lava spool; removable solid copper tip; ebonized wood handle. A practical and economical iron adapted for all heavy work. Will operate on either alternating or direct current. Complete with 6 feet of cord and separable attachment plug. Each

No. 703—110 volts; length 12 ins; size tip 1x2¼ ins $13 50

One in cardboard box; wt each 1¼ lbs.

DRAKE, RADIO

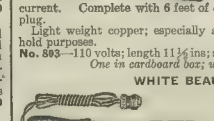


Elements wound with nichrome wire on lava spool; removable solid copper tip; ebonized wood handle, light weight point. For radio, electric switch boards and other delicate work. Will operate on either alternating or direct current. Complete with 6 ft. of cord and separable attachment plug. Each

No. 603—110 volts; length 11½ ins; size tip ⅜x2¼ ins $6 75

One in cardboard box; wt each 1 lb.

DRAKE, JUNIOR



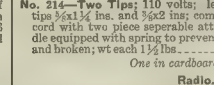
Elements wound with nichrome wire on lava spool; solid copper tip; ebonized wood handle. Will operate on either alternating or direct current. Complete with 6 feet of cord separable attachment plug.

Light weight copper; especially adapted for general house hold purposes. Each

No. 803—110 volts; length 11½ ins; size tip ⅜x2 ins $4 65

One in cardboard box; wt each ¾ lbs.

WHITE BEAUTY



Nickel chromium heating element, mica insulated; hardwood handle, natural smooth finish. Tip replaced by removing pin. Will operate on either direct or alternating current.

Mechanic. Each

No. 214—Two Tips; 110 volts; length 12¾ ins; size tips ⅜x1¼ ins. and ⅜x2 ins; complete with six ft. of cord with two piece seperable attachment plug; handle equipped with spring to prevent cord being twisted and broken; wt each 1½ lbs 7 50

$3 50

One in cardboard box

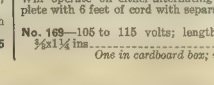
Radio. Each

No. 201—One Tip; 110 volts; length 11½ ins; size tip ⅛x⅞ ins; complete soldering paste, solder and six ft. of cord with one piece plug; wt each ¾ lbs 4 05

$2 00

One in cardboard box

WARD



Highest grade nichrome wire, wound on special lavarock core; mica lining thoroughly insulates inside of sleeve; solid copper swivel point adjustable to any position to 45 degrees; all metal parts electro nickel plated; hardwood handle, baked rubberoid finish. Will operate on either alternating or direct current. Complete with 6 feet of cord with separable attachment plug. Each

No. 169—105 to 115 volts; length 13¾ ins; size tip ⅜x1¼ ins $6 00

One in cardboard box; wt each ¾ lb.

BLOW TORCHES

BELCO

Burns Gasoline or Kerosene.

Heavy brass tank; concave bottom with brass filler plug; needle point valve. Bronze burner with underflow across base of burner insuring quick generation in wind or coldest weather; wood handle grip; fitted with solid hook for soldering copper.

Nos.	2000	2100
Capacity	1pt	1 qt
Wt each, lbs	3	5
Each	$12 75	13 50

One in cardboard box.

BURNERS FOR BELCO TORCHES

	Each
No. 136—For No. 2000	$8 25
No. 135—For No. 2100	8 25

Packed loose; wt each 6 ozs.

CLAYTON AND LAMBERT

Burns Gasoline or Kerosene.

Polished drawn brass seamless top and body, heavy brass soldered concaved bottom; cast iron drip cup and pipe.

Designed for heavy work. For brazing, tempering and straightening of automobile frames and axles. Equipped with automatic brass pump and burner made of generator metal, having upper cleaner and lower shut-off needle and hardwood handle. Height 15 inches; diameter 5¾ inches.

Each

No. 206—Capacity 2 qts.... 29 25

$30 00

One in cardboard box; wt each 7 lbs.

CLAYTON AND LAMBERT

Burns Gasoline or Kerosene.

Designed for general mechanics use. Generator metal, automatic brass pump and burner with upper cleaner and lower shut-off needle. Height 11 inches; diameter 5¾ inches.

Each

No. 208—Capacity 1 qt.... 18 75 *$19 00*

One in cardboard box; wt each 5 lbs.

CLAYTON AND LAMBERT

Burns Gasoline Only.

Capacity one quart; diameter 5¾ inches. With automatic brass pump.

Each

No. 32—With soldering attachment; height over all 11 ins.... 18 00

$18 00

One in cardboard box; wt each 5 lbs

CLAYTON AND LAMBERT

Burns Gasoline Only.

Capacity 1 pint; diameter 4¾ inches. With automatic brass pump.

Each

No. 38—With soldering iron attachment; height over all 8½ ins.... 17 25

$17 00

One in cardboard box; wt each 4 lbs.

CLAYTON AND LAMBERT

Burns Gasoline Only.

Seamless drawn brass tank; with double spring brass pump. Concave bottom to serve as a funnel when filling.

Bronze metal burner; tapered burner tube fitted with solid hook and support for holding soldering coppers.

Each

No. 130—Capacity 1 qt; diam 4½ ins; height 11¾ ins.... 17 25

$17 00

One in cardboard box; wt each 5 lbs.

BLOW TORCHES

TURNER

Polished heavy brass tank; concaved bottom, with brass filler plug; bronze metal burners, produces a much higher degree of heat than other hydro carbon burners. The adjustment is simple and easily regulated. Air valve is located at base of pump barrel. Recommended for all ordinary work for which a common blow torch is used and especially for light brazing, annealing light material, brazing on rubber tires and paint burning.

TURNER

Burns Gasoline Only.

Self lubricated pump with automatic checks; fitted in handle.

Each

No. 92—Capacity 1 qt; diam 4 ins; height over all 9¾ ins.... $19 50

One in carton; wt each 4 lbs.

TURNER

Burns Gasoline Only.

Closed generator type with underflow across base of burner, insuring quick generation.

Self lubricated parachute type pump with automatic check fitted in handle. Complete with removable soldering hook.

Each

No. 205—Capacity 1 qt; diam 5¾ ins; height over all 9¾ ins.... $15 00

One in carton; wt each 4 lbs

TURNER

Burns Gasoline or Kerosene.

Constructed with shut-off and adjusting needle separate, preventing an enlarged orifice. Baffle in burner gasifies either gasoline or kerosene.

Self lubricated parachute type pump with automatic check fitted in tank; corrugated wood handle.

Each

No. 9—Capacity 1 pt; diam base 4¾ ins; height over all 8½ ins.... $15 00

One in carton; wt each 3 lbs.

TURNER

Burns Gasoline or Kerosene

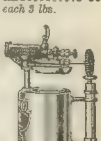
Constructed with shut-off and adjusting needle separate, preventing an enlarged orifice. Baffle in burner gasifies either gasoline or kerosene.

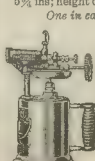
Self lubricated pump with automatic check fitted in handle. Extra large burner recommended for outside work.

Each

No. 38T—Capacity 1 qt; diam base 5¾ ins; height over all 9⅞ ins.... $16 50

One in carton; wt each 4 lbs.





TURNER

Burns Gasoline or Kerosene.

Constructed with shut-off and adjusting needle separate, preventing an enlarged orifice. Baffle in burner gasifies either gasoline or kerosene.

Self lubricated parachute pump with automatic check fitted in tank; corrugated wood handle.

Each

No. 39—Capacity 1 qt; diam base 5½ ins; height over all 9¾ ins.... $17 25

One in carton; wt each 4 lbs.

SQUARING SHEARS

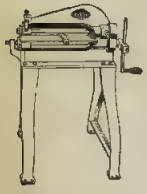
Capacity No. 18 Gauge Iron and Lighter

No.	122B	132B	137B	142B	152B
Length Cutting Blades, In.	22	30	36	42	52
Length Short Front Arms, In.	12½	-	-	-	--
Length, Long Front Arms, In.	--	19	25¼	25¼	25¼
Length Rear Gauge Arms, In.	24	30	30	30	30
Width Bed Plate, In.	12	14	14	14	14
Shipping Wght. lbs	375	540	650	850	1000
With Side Tables, Each	$177.00	192.00	257.00	327.00	457.00
Without Side Tables, Each	177.00	190.00	250.00	320.00	450.00

NOTE No. 122B furnished with short front arms. Other numbers are furnished with long front arms. Nos. 137, 142 and 152 regularly equipped with hold-down attachment. Nos. 142 152 have extensible steel treadle. Wood top shelf can be furnished for Nos. 122 and 132, and finger guard can also be fitted, but at an extra cost.

RAPID SLITTING SHEARS

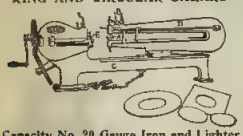
Capacity No. 16 Gauge Iron and Lighter



Permit the most rapid means for slitting iron used in cornice, furnace, blow pipe, ventilation work, etc. The cutters are made from a special high grade tool steel, properly hardened and tempered and have two cutting edges, making them reversible. The crank is adjustable to different leverages

No. 255 Diameter of cutters, 3½ inches; depth of cutting head to gauge, 18 inches; depth cutting head to face, 10 inches; size of table, 20x8 inches; shipping weight, 380 lbs. ..... Each, **$150.00**

RING AND CIRCULAR SHEARS



Capacity No. 20 Gauge Iron and Lighter

Intended for cutting circles or internal rings.

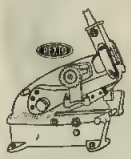
No.	238	288
Diameter Cutters, In.	1⅝	1⅝
Diameter Clamping Discs, In.	2¾	2¾
Depth Cutting Head to Gauge, In.	9½	9½
Depth Cutting Head to Frame, In.	10	30
Depth Circle Arm, In.	16½	36½
Will circle from Square Blanks, In	3¼ to 22	3¼ to 42¼
Will cut Rings small as (inside diameter), In.	3¼	3¼
Will cut Rings large as (outside diameter), In.	22	42½
Shipping Weight, Lbs.	195	290
Each	$140.00	180.00

Note: Can be furnished for power with tight and loose pulleys when specified.

PEXTO TINNERS' TOOLS

LEVER SHEARS

Capacity No. 10 Gauge Iron and Lighter



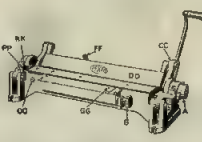
These shears are commended for the slitting of sheets, length or crosswise, with ease up to their full rated capacity. Will cut bar iron ¼x 1½ inches. No. R0296 will cut rods up to ½ inch diameter.

No. 0296 Length of cut, 7⅞ inches; length of gauge rod, 14½ inches; shipping weight, 175 lbs. . . . . Each, **$120.00**

With Rod Cutter

No. R0296 Same as No. 0296, except is fitted with rod cutter..... Each, **$140.00**

BAR FOLDERS



Will form 3/16 Inch Locks and Wider, No. 22 Gauge Iron and Lighter, 1/2 Inch Locks on No. 24 Gauge, 3/32 Inch Locks on XX Tin

They are intended for forming the edges of sheet metal at various angles. They will produce closed locks as well as open or round locks for inserting a wire in the flat sheet.

No.	62B	63B
Length. In.	29	30
Will form closed and open locks, In.	⅛ to 1	⅛ to 1
Will form open locks to received wire up to, In.	⅛	⅜
Shipping Weight, Lbs.	140	220
Each	$110.00	130.00

SHEET IRON FOLDERS

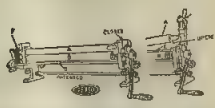
Capacity No. 22 Gauge Iron and Lighter

Folders on this page are of all iron construction, carefully machined, fitted with planed steel bending blade, and where an indispenable folder is required for ordinary use

No. 2B Length, 30 inches; will form locks ⅛ to ⅝ inches; shipping weight, 105 lbs... . . . . Each, **$36.00**

Note: Entire Page Factory Shipment Only

FORMING MACHINES

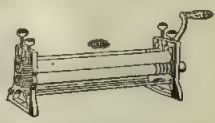


Capacity No. 22 Gauge Iron and Lighter Slip Roll Pattern

Machine cut steel compensating gears. In these formers gripping rolls have an extreme clearance of ½ inch. Grooves cut in rolls are intended to allow work with a wire to be formed.

No.	0381A	381A	382A	0384A
Length of Rolls, In...	42	37	30	20
Diam. of Rolls, In....	2	2	2	1½
Shipping Wt., Lbs	200	180	165	80
Each	$96.00	72.00	68.00	60.00

Note: Tight pulley, or tight and loose pulleys and iron floor legs can be fitted when so ordered. When preferred all three rolls can be arranged driven at extra cost



Capacity No. 22 Gauge Iron and Lighter Plain Pattern

Solid housings, machine cut steel compensating gears. Grooves cut in rolls are intended to allow work with a wire to be formed. Wire should only be formed between the grooves cut for that purpose.

No.	372	373	380
Length of Rolls, Inches	37	21	20
Diam. of Rolls, Inches..	2	2	1½
Shipping Weight, Lbs...	165	140	60
Each	$62.00	53.00	46.00

GROOVING MACHINES

Capacity No. 24 Gauge Iron and Lighter—With Flattening Attachment

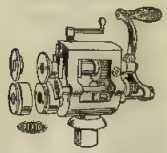
For grooving the longitudinal seams in stove pipe and other sheet metal cylinders.

Six grooving rolls are furnished, one each with ⅞, ⅝ and ⅜ inch grooves, two with inch grooves and one flattening roll.

No. 518A Will groove work length, 30 inches; diameter of smallest pipe that can be grooved, 2 inches; shipping weight, 260 lbs. ..... Each, **$130.00**

PEXTO TINNERS' TOOLS

TURNING MACHINES

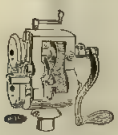


Capacity No. 22 Gauge Iron and Lighter

For preparing a seat in vessels, etc. to receive a wire. Furnished complete with offset standard.

No.	*541	*542
Diameter of Rolls, In.	2	3
Smallest diam. of wire that can be used, In.	3/8	1/2
Largest diam. of wire that can be used, In.	1/4	5/8
Shipping Weight, Lbs.	25	81
Each	$40.00	46.00

WIRING MACHINES

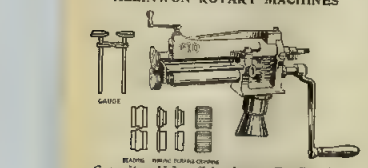


Capacity No. 22 Gauge Iron and Lighter

For working metal around wire after the seat has been prepared with the Turning Machine. Furnished complete with standard.

*No. 525A Diameter of rolls, 3 in.; will receive wire up to diameter, 7/8 in.; shipping weight, 81 lbs. ..... Each, $10.50

ALLINWON ROTARY MACHINES



Capacity—Using Crimping or Beading Rolls No. 26 gauge iron and lighter.

Capacity—Using Turning, Wiring or Burring Rolls No. 24 gauge iron and lighter.

Five Operations with One Machine

Furnished complete with standard and five pairs of rolls: viz; crimping, beading, turning, wiring, and burring and one extra gauge. Provided with forward and reverse drive.

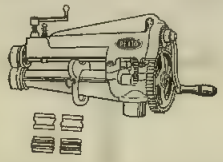
*No. 632 Depth throat to frame, 6¼ in.; depth throat to gauge, 5⅛ in.; width of crimping rolls, 1⅞ in.; width of beading rolls, 1⅞ in.; diameter of turning and wiring rolls, 1⅞ in.; smallest wire that can be used with turning rolls, 11 gauge; wiring rolls receive wire up to 5 gauge; widest flange or burr that can be turned with burring rolls, ⅞ inches; distance between shaft centers, 1¼ in.; shipping weight, 60 lbs. ..... Each, $100.00

BEADING MACHINES

Capacity No. 24 Gauge Iron and Lighter.

Connecting gears are cut from solid steel; reinforced frame and cap. Furnished complete with standard and four pairs of rolls; one pair each Ogee ⅜ inch, triple ⅝ inch single ¼ and ⅞ inch.

*No. 620 Depth throat to frame, 6¼ in.; depth throat to gauge. 5½ in.; diameter of rolls, 1⅛ in.; width of rolls, 1⅛ in.; distance between shaft centers, 1⅞ in.; shipping weight 50 lbs. ..... Each, $28.00

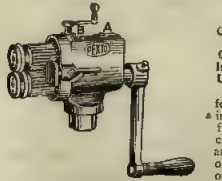


Capacity No. 20 Gauge Iron and Lighter.

Driving Gears are cut from solid cast iron. Connecting Gears are machine cut steel. Furnished complete with standard and three pairs of beadings rolls.

No.	*617B	*619B
Depth Throat to frame, In.	13	7½
Depth Throat to Gauge, In.	12	6⅝
Distance between Shaft Centers, In.	2⅜	2⅜
Diameter Rolls, In.	2¾	2⅜
Width Rolls, In.	1⅝	1⅜
Ratio of Gearing	3½ to 1	2⅜ to 1
Size Single Bead in Rolls, In.	⅜	¼
Size Ogee Bead in Rolls, In.	1	⅜
Size Triple Bead in Rolls, In.	1	⅝
Shipping Weight, Lbs.	140	85
Each	$110.00	90.00

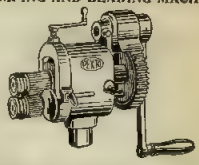
CRIMPING AND BEADING MACHINES



Capacity No. 24 Gauge Iron and Lighter Used for making a uniform crimp and bead or crimp only in pipe of black or galvanized iron. Constructed of steel except frame and crank. Furnished complete with offset standard and one pair of steel blank collars.

No.	581	0581
Style of Crimp	Spiral	Straight
Diameter Beading Rolls, In.	1⅛	1⅛
Diameter Crimping Rolls, In.	1⅛	1⅛
Width Crimping Rolls, In.	1¾	1¾
Width Beading Rolls, In.	1	1
Size of Ogee Bead, In.	⅜	⅜
Shipping Weight, Lbs.	30	30
Each	$13.25	13.25

CRIMPING AND BEADING MACHINES



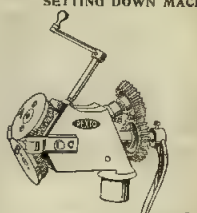
Capacity No. 20 Gauge Iron and Lighter.

For facilitating the putting together of pipe. These machines are adjustable for two speeds, geared for heavy work and may be run direct drive on light iron.

No. 585A has spiral crimping rolls, No. 0585A has straight crimping rolls. Furnished complete with standard and one pair of blank rolls.

No.	585A	0585A
Diameter Beading Rolls, In.	1⅛	1⅛
Diameter Crimping Rolls, In.	1⅛	1⅛
Width Crimp Rolls, In.	1¾	1¾
Width Bead Rolls, In.	1	1
Size Ogee Bead, In.	⅜	⅜
Ratio Gearing	3:1	3:1
Distance between Shaft Centers, In.	1⅞	1⅞
Shipping Weight Lbs.	65	85
Each	$52.00	52.00

SETTING DOWN MACHINE

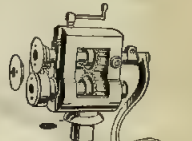


With Inclined Faces.

For setting down seams preparatory to double seaming and for closing seams in other work. Furnished complete with standard.

No.	*561	*562
Capacity Gauge Iron and Lighter	24	18
For seams up to	⅝	½
Shipping Weight, Lbs.	60	100
Each	$56.00	100.00

BURRING MACHINES



Capacity No. 22 Gauge Iron and Lighter.

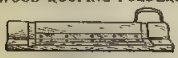
For burring or flanging bottoms and bodies of vessels, etc. Furnished complete with standard.

No.	*576A	*577A
Diameter of Rolls, In.	1¼	2⅛
Widest Flanges or Burr that can be turned, In	⅛	¼
Shipping Weight, Lbs.	21	25
Each	$34.00	38.00

Note: All the Above Marked Thus (*) Factory Shipment Only

PEXTO TINNERS' TOOLS

WOOD ROOFING FOLDERS



Common Type

Constructed with well seasoned wood, with blades fitted of high grade special steel, accurately machined and finely finished. Hinges and handles made of the best materials.

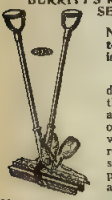
No.	13C	23C	33C
Size for Sheets, Width In.	20	28	30
Forms Locks, In.	⅛	⅞	1
Shipping Weight, Lbs.	9	11	14
Each	$7.00	8.00	8.50

Improved Type

Same as common type except has an adjustable gauge.

No.	113	123
Size for Sheets, Width, In.	20	30
Forms Locks, In.	⅛ to ⅝	⅛ to ⅝
Shipping Weight, Lbs.	10	17
Each	$9.50	11.50

BURRITT'S ROOFING DOUBLE SEAMERS



Nos. 742 and 742½ are fitted for I. C. Tin. No. 0742 is fitted for Iron Roofing.

For standing lock will do the work more evenly than by any other process and leave the formed lock of uniform height. They work well over uneven roof boarding and double seam hips and ridges with perfect ease. Two pair in a set.

No.	742	742½	0742
To Follows Tongs, In.	1&1¼	1¼&1½	1½&1¾
Finishing a Lock Height, In.	¾	1	1
Weight Per Set of Two Pairs, Lbs.	40	40	42
Per Set of Two Reamers	$36.00	36.00	36.00

ADJUSTABLE PIN ROOFING TONGS

Forged steel handles, milled steel blades, natural finish. Will turn five different widths of locks, ⅜, ¾, 1, 1¼ and 1½ inches, by means of the gauge pin holes.

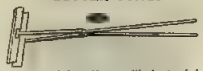
No. 773 Length of handles, 21 in.; size of blades: length, 18⅛ in.; width, 2 in.; shipping weight, 17 lbs. .....Each, **$9.50**

BABY HANDY SEAMER

Adjustable for seams of different widths from ⅛ to ⅞ inches. Can be carried in tool kit or pocket.

No. 791 Size overall, 7¼x3½ in.; size blade: length, 3½ in.; width ⅞ in.; weight, 1 lb. ..... Each, **$3.40**

GUTTER TONGS



Forged steel handles, milled steel jaws.

No. 777 Length of handles, 24⅛ in.; depth of jaws, 14 in.; size of blades: length, 12½ in., width, 1¾ in.; weight each, 10 lbs..... .....Each **$7.20**

DOUBLE SEAMING STAKES

Cast iron with polished faces. Complete with four heads.

No. 949 Size of heads, A-6 in. diameter; B 8½x2⅝x3¾ in.; C-5½x4⅛ in.; D-5⅝x 4¼x3¾ in.; shipping weight, 110 lbs..... .....Each, **$36.00**

DOUBLE SEAMING STAKES

Wrought iron with steel faces.

No. 921 Length large end, 17 in.; length small end, 12 in.; size of each end, 3x1⅝ in.; weight each, 37 lbs.....Each, **$42.00**

CONDUCTOR STAKE

Cast iron with polished faces.

No. 971 Length of large end, 15 in.; length of small end, 11½ in.; diameter of large end, 2¼ in.; diameter of small end, 1⅝ in.; weight each, 28 lbs.....Each, **$18.00**

BLOW HORN STAKE

Wrought iron with steel faces.

No. 925 Length of large end, 9 in.; length of small end, 18 in.; diameter small end, ⅝ to 1½ in.; diameter of large end ½ to 1⅝ in.; weight each, 14 lbs..... ....Each, **$36.00**

CANDLE MOULD STAKES

Wrought iron with steel faces.

No. 956 Length of large end, 18⅛ in.; length of small end, 9⅛ in.; diameter of large end, ⅛ to ⅞ in., diameter of small end, ⅛ to 1⅛ in.; weight each, 7⅛ lbs.... .....Each, **$16.00**

NOTE: Entire Page Factory Shipment Only.

HATCHET STAKES

Wrought iron with steel faces.

No.	941	943	944
Length of Blade, In.	16	13	11
Width of Blade at Center, In.	2½	2⅛	2⅛
Width of Blade at Ends, In.	1⅞	1¼	1⅜
Weight Each, Lbs.	14	8½	6½
Each	$18.00	16.00	14.00

BEAKHORN STAKES

Wrought iron with steel faces.

No.	901	904
Length of Round End, In	16½	14
Length of Flat End, In.	21½	19
Width of Flat End Tapers, In.	2½x1⅞	2x1½
Diam. of Round End, In.	⅞ to 2½	⅝ to 2
Weight Each, Lbs.	48	27
Each	$48.00	42.00

NEEDLE CASE STAKES

Wrought iron with steel faces.

No. 957 Length of round end, 10⅝ in.; length of flat end, 8 in.; width of flat end, 1 in.; diameter of round end, ⅜ to ⅝ in.; weight each, 4 lbs. .....Each, **$13.00**

ROUND HEAD STAKES

Cast iron, polished face.

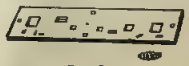
No. 965 Length, 12⅛ in; diameter of head, 3 in.; weight each, 9½ lbs. ....Each, **$4.50**

SQUARE HEAD STAKES

Wrought iron with steel faces.

No.	936	938	939
Size of Face, In.	2¾x4½	3x5	1¾x2½
Weight, Lbs.	11	14	8
Each	$13.00	15.00	10.00

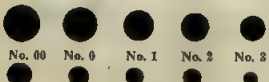
BENCH PLATES



Cast Iron.

No.	982	981	980
Width, Inches	6	8	12
Length, Inches	30	37½	48
Weight, Lbs.	31	46	85
Each	$6.50	9.25	13.00

TINNERS' TOOLS
PEXTO RIVET SETS AND HEADERS



Full Size Cuts of Holes

Forged from high quality steel, gun-metal finish. Specially adapted for sheet metal workers. Approximate length, 4¾ to 5½ inches.

No.	Diameter of Hole Inches	Drill Gauge No.	For Iron Rivets Pounds	For Copper Rivets No.	For Copper Rivets Inches	Each
00	1/16	78	14	..	..	$1.05
0	5/64	56	10-12	5	1/4	1.05
1	1/16	52	7-8	6	5/32	.90
2	.2130	3	6	7	3/16	.90
3	.1910	11	4-5	8	3/16	.70
4	.1660	19	2½-3	9	3/16	.70
5	.1495	25	1¾-2	10-11	1/8	.55
6	.1405	28	1½	12	1/8	.55
7	.1285	30	1-1¼	13	5/32	.50
8	.1100	35	10-12 oz.	14	5/32	.50

No. 00, 0, 1 and 2, two; No. 3 to 8, six in a box.

PEXTO HAND GROOVERS

Forged from a special, tough, high grade steel, scientifically hardened; highly polished heads.

No.	Size of Groove Inches	Length Overall Inches	Weight Pounds	Each
00	1/16	5¾	1/8	$2.00
0	3/32	5¾	1/8	2.00
1	1/16	5¾	1/8	1.80
2	1/8	5¾	1/8	1.80
3	3/32	5¾	1/8	1.75
4	1/16	5¾	1/8	1.75
5	3/32	5¾	1/8	1.75
6	1/16	5¾	1/8	1.75
7	1/16	5¾	1/8	1.75
8	3/32	4⅝	1/8	1.75

Loose, Not Packed

PEXTO HOLLOW PUNCHES

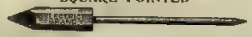
Approximate lengths, 5½ to 6½ inches.

Forged Steel

Diam., In.	3/16	1/4	5/16	3/8
Per Inch	$2.10	2.10	2.10	2.10
Diam., In.	7/16	1/2	1¾	1½
Per Inch	$2.10	2.10	2.10	2.10

Six in a Box

SOLDERING COPPERS
SQUARE POINTED

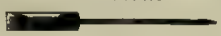


Drawn Copper bolts, forged. With square point for common use.

Wt. Pair, Lbs.	Advance Over Base Price ½	1	1½	2	2½
Per Pound	.$0.30	.06	.03	.02	.01
Wt. Pair, Lbs.	3	4	5	6	7
Per Pound	Base	Base	Base	Base	Base
Wt. Pair, Lbs.	8	9	10	12	14
Per Pound	Base	Base	Base	Base	Base

Loose, Not Packed

FLAT BOTTOM



Drawn Copper bolts, forged. With flat point for bottoming use.

Wt. Pair, Lbs.	Advance Over Base Price 3	4	5	6
Per Pound	Base	Base	Base	Base
Wt. Pair, Lbs.	8		10	12
Per Pound	Base		Base	Base

Loose, Not Packed

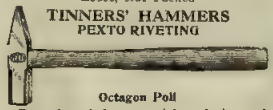
ROOFING COPPERS

Drawn copper bolts, forged. With handle and shield. Designed especially for roofers' use.

Wt. Pair, Lbs.	Advance Over Base Price 4	6	8
Per Pound	Base	Base	Base
Wt. Pair, Lbs.	10	12	14
Per Pound	Base	Base	Base

Loose, Not Packed

TINNERS' HAMMERS
PEXTO RIVETING



Octagon Poll

Drop forged from special analysis steel, highly polished. Hardened faces and peins. Selected second growth white hickory handles.

No.	Size of Face Inches	Weight of Each Less Handle Ounces	Per Dozen
0R	1¾	32	$44.00
1R	1⅝	20	21.00
2R	1½	16	18.40
3R	1⅜	12	17.30
4R	⅞	8	16.30
5R	⅝	4	15.00

One-Half Dozen in a Box

PEXTO SETTING

Square Poll

Drop forged from special analysis steel, highly polished. Hardened faces and peins. Selected second growth white hickory handles

No.	Size of Face Inches	Weight of Each Less Handle Ounces	Per Dozen
1S	1¾	20	$21.00
2S	1	16	18.40
3S	⅞	12	17.30
4S	¾	8	16.30
5S	⅝	4	15.00

One Half Dozen in a Box

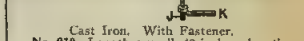
STOVE AND FURNACE PIPE MANDRELS
SECURITY

Wrought iron; designed especially for putting Security stove and furnace pipe together easily and rapidly, furnished complete with bench fastener and selected hardwood mallet.

No. 450 Diameter, 3 inches; length overall, 37 inches. Weight, 33 lbs. ....Each, **$8.00**

One in a Crate

HOLLOW MANDREL STAKES
PEXTO



Cast Iron. With Fastener.

No. 910 Length overall, 40 inches; length of flat part, 9 inches; width of flat part, 6 inches; length of oval part, 31 inches; size oval part radius of circle, 2 inches. Weight, 60 lbs. .....Each, **$21.00**

One in a Case

METAL PUNCHES
WIZARD HAND PUNCHES

For shop and for out-of-shop work. Capacity, ¼ inch hole in No. 16 gauge and lighter. Furnished regularly with three punches and dies, viz.; 3/16, ⅞ and ⅛ inch.

No. 789 Length overall, 8¼ inches; depth of throat, 1⅜ inches. Weight complete with dies and punches, 3 lbs. .....Each, **$11.20**

Extra Dies .....Each, **.60**

Extra Punches .....Each, **1.30**

One in a Box

ELM CITY METAL PUNCHES

Made of high grade steel with polished head and japanned knurled handles. Interchangeable crucible steel dies. Adjustable gauge. Punches heavy gauge metal, not harder than regular cold rolled stock. Dies open. ⅛ inches and reach 1 inch from edge of metal. Length, 9 inches. Weight, 1¾ pounds

Size of Dies, In.	1/16	3/32	1/8	3/16
For Sheet Ir., Ga. No.	16	14	14	15
No. 17 Per Dozen	$33.00	33.00	33.00	33.00
Size of Dies, In.	1/4	5/16	3/8	1/4
For Sheet Ir., Ga. No.	15	16	16	
No. 17 Per Dozen	$33.00	33.00	33.00	

One-Twelfth Dozen in a Box

Extra Dies One male and one female die in a set.....Per Dozen Sets, **$7.50**

One Dozen Sets in a Box

TINNERS' HAND SNIPS

WISS

Straight Pattern

Steel forged, natural finish handles, polished blades. A piece of the finest crucible bar steel welded to the inside of the blades of the toughest steel forgings gives a perfect cutting edge. Blades are perfectly shaped with points made strong and the handles are formed so they will not tire the hand.

No.	Length of Cut Inches	Length Overall Inches	Weight Each Pounds	Each
6½W	4½	15¾	3½	$4.32
7W	4	14½	3⅛	3.62
8W	3½	13¾	2½	2.88
9W	3	12½	2	2.55
10W	2½	11½	1½	2.34
11W	2⅛	0½	⅞	1.73
12W	2	S	½	1.45

No. 6½W to 10W, One; No. 11W and 12W Six in a Box

PEXTO

Straight Pattern—1819 Original P. S. & W.

Forged from the choicest material, superfine steel cutting blades; blued handles, polished heads

No.	Length of Cut Inches	Length Overall Inches	Wit Cut Iron Gauge Number	Weight Each Pounds	Each
6½	4¼	15⅝	24	3½	$3.00
7	3⅞	14½	25	2⅞	2.50
8	3½	13½	26	2¼	2.00
9	3	12	27	1⅝	1.75
10	2½	11	28	1¼	1.60
11	2¼	10¼	28	1	1.20
12	2	8⅝	28	⅝	1.00

One in a Box

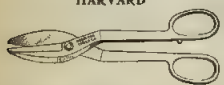
Circular Pattern—1819 Original P. S. & W.

Forged from the choicest materials, superfine steel cutting blades; blued handles, polished heads.

No.	Length of Cut Inches	Length Overall Inches	Wit Cut Iron Gauge Number	Weight Each Pounds	Each
C7	4	14¼	25	2⅞	$3.50
C8	3½	13½	26	2¼	3.00
C9	3	12	27	1⅝	2.75
C10	2¼	11	28	1¼	2.50

One in a Box

HARVARD



Straight Pattern

Solid forged steel, black handles, polished heads. Is adapted to all kinds of rough and ready use.

No. 99 Length of cut, 3 inches; length overall, 12½ inches. Weight per dozen, 22½ lbs. .....Per Dozen, **$17.60**

One-Twelfth Dozen in an Envelope, One-Third Dozen in a Box

HERCULES

Combination Pattern

Forged from the best materials, steel laid blades, blued handles, polished heads. Will easily cut circles, scrolls, etc., and are equally well adapted to the same class of work as the regular snip. Jaws are bevelled with straight cutting edges which allows the material to pass freely when cutting curves or changing direction of the cut.

No.	Length of Cut Inches	Length Overall Inches	Wit Cut Iron Gauge Number	Weigh Each Pounds	Each
148	3⅞	13½	26	2¼	$2.50
149	3	12½	27	2	2.25
150	2½	11½	28	1½	2.00

One in a Box

LYON

For Cutting Scrolls and Circles

These snips are especially adapted for cornice and tin work, and are equally well adapted for regular snip work. The blades are rounding and very sharp pointed and can be used for very delicate work. Best of materials with forged handles and steel blades are used. Finish, blued handles, polished heads.

No.	Length of Cut Inches	Length Overall Inches	Wit Cut Iron Gauge Number	Weight Each Pounds	Each
170	3½	14	25	2⅝	$2.50
180	3	13	26	2¼	2.25
190	2¾	11½	27	1⅝	2.00

One in a Box

SEARIGHT

Compound Lever

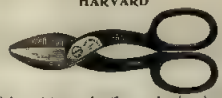
Forged with solid blades of high grade crucible tool steel, scientifically treated by measured heat. The compounding lever action gives an evenly distributed cutting stram from a close-throat start to the finish at the point of the blade. The short cutting blade is connected to the short lever handle by links on each side with close fitting shouldered rivets, making a rigid connecting frame without side-springing tendencies.

No.	Length of Cut Inches	Length Overall Inches	Wit Cut Iron Gauge Number	Weight Each Pounds	Each
TS	1½	7	24	⅞	$3.00
8S	2	8	18 to 20	⅞	4.50
10S	3	10½	16	1⅜	6.75
12S	3½	12	16	1⅜	9.00
14S	4	14	16	2⅛	10.50

One in a Box

POCKET SNIPS

HARVARD



Adapted to use by the mechanic, plumber, electrician and automobilist. Also for cutting wire, poultry netting, rubber packing, etc. Is made of solid steel, drop forged, with polished heads and black japanned handles.

No. 35 Length of cut, 2 inches; length overall, 7 inches. Weight per dozen, 6 lbs... ... .Per Dozen, **$15.90**

One Half Dozen in a Box

HOUSEHOLD SNIPS

MAC

Made of special grade metal. Finish, black handles, polished head.

No. 50 Length of cut, 2⅝ inches; length overall, 11 inches. Weight per dozen, 23 lbs. .... Per Dozen, **$6.00**

One Dozen in a Carton with Display Card

DOUBLE CUTTING SHEARS

BERRIDGE PATTERN

With Crimper

Forged from a high grade steel, scientifically tempered and hardened. Finish, black handles, polished heads. Complete with crimping attachment.

No. 2 Length of cut, 1⅜ inches, length overall, 13½ inches. Weight, 2⅝ lbs. ... ...Each, **$4.50**

One in a Box

BENCH SHEARS

Compound Lever With Detachable Blades

Black japanned malleable iron body, polished crucible steel blades, hardened and tempered.

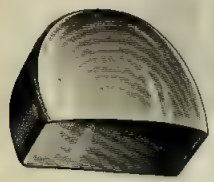
No. 44 Length of cut, 4 inches; length overall, 84¾ inches. Will cut iron up to 12 gauge. Weight, lbs. ....Each, **$20.00**

One in a Box

AUTO BODY AND FENDER REPAIRING TOOLS

PEXTO DOLLY BLOCKS

The special shapes of these Dolly Blocks make them invaluable as a Seaming Iron for irregular sheet metal products and for re-shaping and straightening fenders. They are without handles and patterned to fit the palm of the hand.



Cast iron, ground and highly polished.

No. 915 Length, 2⅝ inches; width, 3¼ inches; thickness, 1½ inches; weight each, 2¼ lbs. .....Each, **$1.10**

One in a Package

Cast iron, ground and highly polished.

No. 916 Length, 4¾ inches; width, 2⅝ inches; thickness, 1 inch; weight each, 2¾ lbs. .....Each, **$1.10**

One in a Package

FAIRMOUNT DOLLY BLOCKS

Drop forged steel, ground and highly polished.

No. 1058 Length, 4¾ inches; width 2¼ inches; thickness, 1⅞ inches, weight, 2½ lbs. .....Each, **$2.25**

Six in a Box

Drop forged steel, ground and highly polished.

No. 1059 Length, 2⅝ inches; width, 2¼ inches; thickness, 1⅞ inches; weight, 2½ lbs. .....Each, **$2.25**

Six in a Box

PEXTO BODY FINISHING OR DING HAMMERS

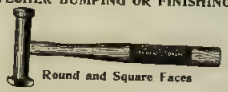
Round Faces

Drop forged from special analysis steel. Hardened faces. Full polished. Selected second growth white hickory handle.

No. 1315 Length of head, 5½ inches; size of large face, 1⅝x⅞ inches; size of small face, 1¼x⅝ inches; length of handle, 12¼ inches; weight each, 13 ounces. .....Per Dozen, **$42.00**

One-Twelfth Dozen in a Box

VLCHEK BUMPING OR FINISHING



Round and Square Faces

Drop forged from high carbon open hearth steel, tempered hard in center, tough edges, black finish, polished round and square face. Selected second-growth hickory handles.

No. 1300 Diameter of round face, 1¼ inches; size of square face, 1¼ inches; length of head, 4 inches; length overall, 14 inches. Weight each, less handle, 10 ounces. .....Per Dozen, **$15.00**

Half-Dozen in a Box

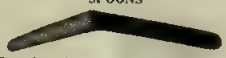
PEXTO BODY WORKERS SPOONS

Drop forged with natural finished handle and polished taper blade.

No. 2 Width, 1 inch; length, 11½ inches, weight, 7 ounces.....Each, **$1.25**

One in a Package

FAIRMOUNT BODY WORKER'S SPOONS



Drop forged and tempered. Ebony handle, polished taper blade.

No. 1074 Width, 1 inch; length, 11½ inches, weight each, 7 ounces. .....Each, **$1.25**

Six in a Box

FAIRMOUNT RIVET CUTTING CHISELS

Used for cutting rivets.

Drop forged from high quality octagon tool steel Ebony finish body, polished taper.

No. 1104 Size of octagon steel, ¾ inches; length, 11 inches; weight, 1¾ lbs. .....Each, **$1.50**

Six in a Box

SOLDERING POTS

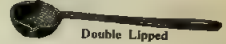
Cast iron, with heavy steel wire bail.

No.	Lead Capacity Pounds	Diameter Inches	Depth Inches	Weight Pounds	Each
0	10	5	3¾	3	$1.20
1	15	6	4	4	1.60
2	35	8	4¾	7	3.00
3	45	9	5½	11	3.50

Loose, Not Packed

MELTING LADLES

MALLEABLE IRON

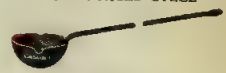


Double Lipped

No.	Lead Capacity Pounds	Diameter of Bowl Inches	Length of Handle Inches	Per Dozen
7800A	2	3	12¼	$3.50
7800B	4	4	12¼	4.50
7800C	7	5	14¼	7.50
7800D	12	6	15¼	8.50

Loose, Not Packed

DROP FORGED STEEL



Double Lipped

No.	Lead Capacity Pounds	Diameter of Bowl Inches	Thickness of Steel	Length of Handle Inches	Steel in Handle Inches	Per Dozen
806	18	6	10 Ga.	22	¾x1	$16.00
817	26	7	⅛ in.	24	⅞x1⅛	24.00
818	45	8	⅛ in.	30	⅞x1⅛	30.00
819	57	9	⅛ in.	32	⅞x1⅛	40.00
8110	80	10	⅛ in.	36	⅞x1⅛	48.00

Loose, Not Packed

GAS SOLDERING FURNACES

ODIN

For Natural Gas

Cast iron base and drilled burners, polished steel top lined with heavy fire brick. Adjustable air mixers. One burner is furnished with a stop cock for iron pipe connection.

No.	1	2
Number of Burners	1	2
Length, Inches	9½	11½
Width, Inches	8¼	7⅞
Height, Inches	7¼	7⅞
Weight, Lbs.	8¼	7
Each	$5.40	11¼
		6.70

Loose, Not Packed

BLOW TORCHES
CLAYTON AND LAMBERT

Double Needle, For Gasoline or Kerosene

Is extra large and is designed for brazing, tempering and preheating. Also used in the garage or repair shop for heating and straightening automobile axles, frames, etc. The C. & L. patented needle burner produces tremendous heat; it is made of generator metal and has two needles, the lower is the shut off and the upper a cleaner needle made so that it is impossible to enlarge the orifice. Tank is made of heavy gauge seamless drawn brass, reinforced and equipped with automatic brass pump. Burner has cast hook and support for holding a soldering copper; hook is removable

No. 206 Capacity, 2 quarts. Weight 7¾ lbs. ....Each, **$30.00**

Double Needle, for Gasoline or Kerosene

Is a powerful torch for the mechanic. Works perfectly in wind and weather far below zero. Is fitted with the C. & L. patented needle burner, producing tremendous heat; it is made of generator metal and has two needles, the lower is the shut off and the upper a cleaner needle made so that it is impossible to enlarge the orifice. Tank is made of heavy gauge seamless drawn brass, with cushion band at base and fitted with automatic brass pump Burner has cast hook and support for holding a soldering copper; hook is removable.

No.	210	208
Capacity	1 Pint	1 Quart
Weight, Lbs.	4½	5½
Each	$18.00	19.00

Double Needle, For Gasoline or Kerosene

Is oblong, being 1¾ inches thick, 5 inches long and stands 8½ inches high. Is especially adapted to requirements of automobile users, electricians and repair men, as it can easily be carried in the tool kit. Is made of heavy gauge brass with hinged supports at base to prevent tipping over. Improved C. & L. patented double needle burner is made of generator metal and produces an intensely hot blue flame; automatic pump forms part of the handle. Burner has cast hook and support for holding a soldering copper; hook is removable

No. 48 Capacity, 1 Pint. Weight, 4¾ lbs..... ..Each, **$24.00**

For Gasoline

Is desirable where intense heat is wanted. Burner is made of special generator metal that holds the heat longer, having a chamber that super heats the gas before it is burned. Burns perfectly under extreme conditions of wind and cold weather. Burner has rigid hook and support for holding soldering copper; hook is removable. Tank is of heavy gauge brass with patented cushion band at base and is fitted with improved patented brass pump.

No. 32 Capacity, 1 quart. Weight, 5¼ lbs.....Each, **$18.00**

All the Above, One in a Carton

BLOW TORCHES
CLAYTON AND LAMBERT

For Gasoline

Is a medum grade torch The burner is made of bronze metal having tapered burner tube, and produces a steady blue flame. It has hook and support for holding a soldering copper; hook is removable. Tank is made of seamless drawn brass with automatic brass pump with double springs. The bottom is concave which serves as a funnel in filling

No. 130 Capacity, 1 quart. Weight, 4¾ lbs.....Each, **$17.00**

For Gasoline

Is a superior quality competitive torch. The tank is made of polished brass with funnel shaped bottom Burner has an open generator that injects the air which mixes with the gas, producing a steady blue flame. Has automatic brass pump in tank. A detachable soldering cop per attachment is included which fits over the burner tube; hook is removable.

No.	146	144
Capacity	1 Pint	1 Quart
Weight, Lbs.	3¾	4½
Each	$14.00	15.00

HOT BLAST

For Gasoline

Is a general utility torch. Polished brass tank. With durable pump which cushions the pressure and gives a steady blast The burner is of special composition bronze metal with tapered burner tube and produces a steady blue flame.

No.	17	16
Capacity	1 Pint	1 Quart
Weight, Lbs.	3½	4¾
Each	$9.60	10.25

All the Above, One in a Carton

FIRE POTS
RELIABLE

For Gasoline

Is simple in construction, easy to operate, light in weight, and equally well adapted to both inside and outside work. Equipped with a powerful burner which is protected from draught by a shield. Has heavy steel tank and brass pump Complete with cast iron melting pot.

No. 196 Capacity, 2 quarts. Diameter at base, 9 inches; height bail down, 14 inches. height bail up, 19 inches; diameter of melting pot, 5 inches; height of melting pot, 4 inches. Weight complete, 30 lbs., Each, **$15.50**

One in a Case

FIRE POTS
CLAYTON AND LAMBERT

Improved Coil for Gasoline With Pump

Tank is made of heavy gauge seamless drawn steel, tinned inside and out, making it rust-proof and fitted with patented protection band at base of tank. It is supplied with brass ears, elbows and tees, large funnel and filler plug with dust-proof cap, also with the latest patented three-piece coil cup and top plate, which enables the operator to remove top section by unscrewing three large brass nuts, exposing the burner and coil.

No. 22 Capacity, 1 gallon. Weight, 11¾ lbs.....Each, **$20.60**

One in a Carton

With Bulb

Same as No. 22 except is fitted with air valve and bulb.

No. 12 Capacity, 1 gallon. Weight, 11¾ lbs. .....Each, **$20.20**

One in a Carton

For Gasoline

Is a general utility fire pot that is 18 in. high, 9⅝ in diameter at base and 6¾ in. at top. Tank is made of heavy gauge seamless drawn steel reinforced, tinned inside and out and fitted with patented cushion protection band at base. Large funnel and filler plug having dustproof cap and improved automatic brass pump. A pair of 12 lb. soldering copper can be heated and a pot of lead or solder melted at the same time. Top section can be removed, thus producing an open fire.

No. 1

Single Needle

No. 91 Capacity, 1 gallon. Weight 14 lbs. .....Each, **$26.60**

Double Needle

No. 1 Capacity, 1 gallon. Weight, 14½ lbs. ... . .Each, **$28.00**

One in a Carton

EXTRA BULBS FOR FIRE POTS

Best quality rubber.

No. 11 Diameter of bulb, 2 in.; length of bulb, 3½ in.; length of stem, 4 in., Each, **$1.00**

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER

FOR FORD CARS

Metal display board, lithographed in black and yellow. Can be used for counter, wall or window display; length 24 inches; width 12 inches.

Set consists of 18 wrenches;

3—No. 494
3—No. 774
3—No. 771
3—No. 2418
3—No. 3620
3—No. 5660

Per Set

No. A-56—Complete as described **28 80**
$15 15

One set in carton; wt per set 24 lbs.

WALDEN, WORCESTER, GENERAL SERVICE WRENCHES

Sheet metal display board, black finish; steel hooks for mounting wrenches. Length board 72 inches; width 24 inches. Set consists of 39 wrenches as follows:

3—No. 395	3—No. 5660
3—No. 444	3—No. 2716
3—No. 494	3—No. 2718
3—No. 856	3—No. 2724
3—No. 1018	3—No. 6016
3—No. 1020	3—No. 6018
3—No. 2418	

For service repairs on the following cars.

Chevrolet	Nash
Buick	Star
Chrysler	Peerless
Durant	Lincoln
Hupmobile	Studebaker
Willys Knight	Oldsmobile
Packard	Oakland
Dodge	Overland
Essex	Reo
Hudson	Jordan

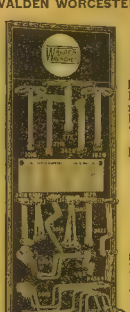
Per Set

No. A-39—Complete as described **78 00**
$10 25

One set in carton; wt per set 94 lbs.

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER, DISPLAY AND STOCK SETS



FOR FORD CARS

Wood back, sheet metal front, lithographed in black and golden rod; hooks are held by nut and check nut and there is no possibility of the board warping out of shape. Length 72 inches; width 24 inches.

Set consists of 48 wrenches as follows:

3—VG-3	3—No. 3620
3—No. 773	3—No. 3822
3—No. 1018	3—No. R4564
3—No. 1020	3—No. 5660
3—No. 1620	3—No. 5810
3—No. R1881	3—No. 6018
3—No. 2418	3—No. 6020
3—No. 2718	3—No. 6064

No. ---- **A-R80**
Per Set ---- **94 50**
$48 65

Wrenches packed in wood box; display board and hooks crated; wt 102 lbs.

WALDEN WORCESTER

Steel, sockets hexagonal shape and heat treated, 6 inch steel round offset handle. An interchangeable socket set for individual car owners use.

Set consists of: 1 6-inch offset handle, 6—Hexagonal sockets, sizes ½, 9/16, ⅝, 11/16, ¾ and ⅞ inches.

Per Set

No. A-300—Wt per set 1¾ lbs ---- **1 50**
One set in cardboard box *$0 80*

WALDEN WORCESTER

Steel sockets, machine turned and broached accurately to size.

The hexagon and squared sockets and plugs are for draining and refilling crank cases, transmissions and differential housings. Set consists of:

1—No. 1124 Tee handle having a 4 inch shank with cross bar for use with sockets and plugs,

7 hexagon sockets, sizes ½, ¾, 13/16, 1, 1 1/16, 1 1/8 and 1¼.

8 square sockets, sizes 5/16, ⅜, 7/16, ½, 9/16, ⅝, ¾ and 13/16.

8 plugs, sizes 5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16 and ¾.

Per Set

No. A-21—Size of steel box 12½x5½x2⅜ ins ---- **16 50**
One set in steel box; wt per set 4½ lbs. *$8 50*

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER

Handles made from extra heavy stock or approved shapes and suitable for hard service; socket made from high grade steel and heat treated; hardwood box, mahogany finish; designed for convenience and durability. A heavy duty set in every respect, brought out principally, for the garage repair man and general mechanic.

Set consists of:
1—No. 1125 Offset handle.
1—No. 1143 Combination tee handle and extension bar.
1—No. 1163 Brace wrench.
12—Hexagonal sockets, sizes 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8 and 15/16 inches.

Per Set
No. A-25—Size box 14½x6¾x3 ins. 23 10
One set in steel box; wt per set 14 lbs. *$12 00*

WALDEN WORCESTER

Sockets are made of steel, machine turned and broached accurately to size. Inside depth of socket is 1/8 inch more than thickness of the nut.

All parts are machine finished to size.

Set consists of:
1—No 516-9 inch ratchet wrench.
1—No. 1139-9 inch extension bar.
1—No. 1102 Universal joint
16 hexagonal sockets, sizes 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 21/32, 1, 1 1/16, 1 1/8 and 1 1/4 inches
Covers all the various bolt and nut standards. Size box 12x5¼x2⅝ inches.

Per Set
No. A-16—Wt per set 11 lbs. 26 10
One set in wood box. *$14 00*

WALDEN WORCESTER
INTER-CHANGEABLE SOCKET WRENCH SET

Nickel steel sockets and extra heavy duty handles, suitable for hard service. The reversible back spin ratchet can be used in combination with Tee handles (long or short shank) offset handles of brace speed wrenches. All parts and sockets are interchangeable.

Set consists of:
1— No. 1125 offset handle.
1— No. 1143 Combination tee handle and extension bar.
1—No. 1163 Brace wrench.
12 hexagonal sockets sizes 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1, 1 1/16, 1 1/8 and 1 1/4 inches.
Size of steel box 14½x8¾x3 inches.

Per Set
No. A-28—Complete as described 30 90
One set in steel box; wt each 14 lbs. *$15 60*

AUTOMOBILE WRENCH SETS

D 16

WALDEN WORCESTER
INTER-CHANGEABLE SOCKET WRENCH SET

Especially adapted for use in service stations, garages and repair shops, on all classes of automobile work. All parts nickel plated. Size of box 16½x7¼x3 5/16 inches.

Set consists of the following:

1 only No. 712—11 in ratchet wrench.
1 only No. 1143—Tee handle and extension shank.
1 only No. 1125—Offset handle.
1 only No. 1163—Brace wrench.
16 only Hex. sockets, Sizes 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 21/32, 1, 1 1/16, 1 1/8 and 1 1/4 inches.
1 only No. 1102—Universal joint.
2 only No. 1109—Plug connectors.
1 only No. 1108—Extension top.
1 only No. 1139—9 inch extension bar.

Per Set
No. A-26—Complete as described 39 00 *$20 00*
One set in wood box; wt per set 16½ lbs.

WALDEN WORCESTER
COMBINATION SOCKETS

Sockets are steel, machined turned from the bar and broached accurately to size. Inside depth of socket 1/2 inch more than thickness of nut. All parts are machine finished to size.

Set consists of:
1 No. 712—11 inch ratchet wrench.
1 No. 1143—Tee Handle and extension shank.
1 No. 1125 —Offset handle.
1 No. 1163—Brace wrench.
1 No. 1102—Universal joint.
2 No. 1109—Plug connectors.
1 No. 1139—9 inch extension bar.
16 hexagonal sockets, sizes 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 21/32, 1, 1 1/16, 1 1/8 and 1 1/4 inches.
11 square sockets, sizes 5/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1, 1 1/8 and 1 1/4 inches.

Per Set
No. A-27—Size box 15⅞x9x4¾ ins. 49 50
One set in steel box; wt per set 25 lbs. *$26 00*

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER

STEEL MERCHANDISING CABINET

Chrome nickel steel sockets, solid steel grip, braces and forged square ends for sockets, the Tee handle wrenches have a bar or handle so that they may be used as Tee or L wrenches. The reversible back spin ratchet can be used in combination with Tee handles (long or short shank) offset handles or brace speed wrenches. All parts and sockets are interchangeable.

Set consists of:
3 No. 1119—Long Shank Speed Wrenches 21 inches over all, 10 inch Shank, with solid steel grips.
3 No. 1115—Short Shank Speed Wrenches 14¼ inches overall, 4¼ inch Shank, with two solid steel grips.
3 No. 1127—Long Shank Tee Handles 12 inches Shank with 10 inch sliding cross bar.
3 No. 1106—Short Shank Tee Handles 6 inches Shank with 8 inch sliding cross bar.
3 No. 1113—Back Spin Reversible Ratchets 2¾ inches overall, 1 inch diameter.
3 No. 1111—Sliding Cross Bars 10 inches long 5/16 inch wire.
3 No. 712—Ratchet Wrenches.
3 No. 1109—Plug Connectors.
3 No. 1139 9 inch Extension Bars.
3 No. 1110—Socket Connectors.
3 No. 1125 Offset Handles.
3 No. 1102—Universal Joints.

CHROME NICKEL SOCKETS

Hexagonal.

3 each 214, 219, 226, 231, 232, 234, 236, 240.
5 each 216, 218, 220, 222, 224, 228, 230.

Square.

2 each 112, 114, 116, 118, 120, 122, 124, 128. Per Set
No. A-1100—Complete as described..... **172 50** *$90 00*

One set in steel cabinet; wt per set 50 lbs.

AUTOMOBILE WRENCHES

WALDEN—WORCESTER

Single End Offset, Socket.

Recommended for use on Chevrolet main bearings. Length over all 15 inches.

	For Models Previous to 1924	For 1924 and 1925 Models
Nos.	**A-385**	**A-386**
Size socket, ins.	15/16	7/8
Wt each, lbs	1¾	1¾
1 to 4, Each	2 46	2 46
5 to 14, Each	2 19	2 19
15 or more, Each	1 98	1 98
Packed loose	*$1 10*	*1 10*

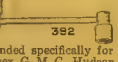
AUTOMOBILE WRENCHES

WALDEN-WORCESTER, DOUBLE END OFFSET

Socket sizes 5/8 and 1/2 inch; length over all 8 inches. Designed for use on Chevrolet cars, model 490; useful on front axle, tie rod, rear axle, housing split, motor, water cylinder inlet and outlet connections. Model BH, use on front axle, tie rod, clevis, motor, water cylinder inlet and outlet connections, fly-wheel housing, oil pump support and transmission support.

No.	**A-391**
1 to 4, Each	1 80
5 to 14, Each	1 59
15 or more, Each	1 44
Packed loose; wt each ¾ lb.	*$0 80*

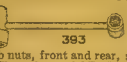
WALDEN-WORCESTER DOUBLE END OFFSET



Socket sizes 7/8 and 11/16 inches; length over all 9¼ inches. Recommended specifically for use on Buick, Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Republic, Scripps-Booth, Stewart and Stutz cars.

No.	**A-392**
1 to 4, Each	2 46
5 to 14, Each	2 19
15 or more, Each	1 98
Packed loose; wt each 1¼ lbs.	*$1 10*

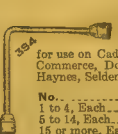
WALDEN-WORCESTER, QUADRUPLE SOCKET OFFSET



Socket sizes 15/16, 1 1/16, 25/32 and ¾ inch; length over all 10½ ins. Chevrolet model 490, useful on hub nuts, front and rear, spindle pivot and nut, steering arm. Chevrolet model B. H., use on front axle, hub nuts, spindle pivot nut, rear spring shackles, steering arm, tie rod and frame bracket center bolt, rear axle, spring clips and hub nuts.

No.	**A-393**
1 to 4, Each	4 05
5 to 14, Each	3 60
15 or more, Each	3 24
Packed loose; wt each 2¼ lbs.	*$1 80*

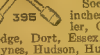
WALDEN-WORCESTER, L TYPE



Socket sizes ¾ and 7/8 inches; L type 8x8 inches. Recommended for use on Cadillac, Chandler, Chevrolet, Cleveland, Commerce, Dodge, Federal, Franklin, G. M. C., Haynes, Selden, Studebaker and Stutz cars.

No.	**A-394**
1 to 4, Each	1 92
5 to 14, Each	1 68
15 or more, Each	1 53
Packed loose; wt each 1¼ lbs.	*$0 85*

WALDEN-WORCESTER, L TYPE



Socket sizes 1/2 and 9/16 inches; L type 4x4 inches. For use on Cadillac, Chalmers, Chandler, Chevrolet, Cleveland, Cole, Commerce, Dodge, Dort, Essex, Federal, Franklin, G. M. C., Grant, Haynes, Hudson, Hupmobile, International, Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth, Selden, Stewart, Studebaker, Stutz, White, Wills St. Claire and Winton.

No.	**A-395**
1 to 4, Each	1 56
5 to 14, Each	1 38
15 or more, Each	1 26
Packed loose; wt each ½ lb.	*$0 70*

AUTOMOBILE WRENCHES

WALDEN-WORCESTER, TRIPLE SOCKET OFFSET

Socket sizes ½, 9/16 and ⅝ inches; length over all 9 inches. Recommended for use on Buick, Chandler, Dodge, Grant and Winton cars.

No.	A-444
1 to 4, Each	1 92
5 to 14, Each	1 71
15 or more, Each	1 53

Packed loose; wt each 1¼ lbs. *$0 85*

WALDEN-WORCESTER RATCHET WRENCH

High grade steel, satin finish; properly tempered; ratchet action reversed by turning over wrench; ½ inch square opening; length over all 11 inches.

No.	A-712
1 to 4, Each	4 50
5 to 14, Each	3 99
15 or more, Each	3 60

Five in cardboard box; wt each 1¼ lbs. *$2 60*

WALDEN-WORCESTER, L TYPE

Socket sizes 9/16 and 11/16 inches; L type 8x8 inches. Recommended for use on Cole, Dort, Lincoln, Paige, Scripps-Booth, Stewart, Studebaker and Willys-Knight.

No.	A-752
1 to 4, Each	1 80
5 to 14, Each	1 59
15 or more, Each	1 44

$0 80

Packed loose; wt each 1 lb.

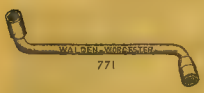
WALDEN-WORCESTER, DOUBLE END OFFSET

Socket sizes 1 and 1 1/16 in; length over all 10¾ inches.

No.	A-762
1 to 4, Each	3 03
5 to 14, Each	2 70
15 or more, Each	2 43

Packed loose; wt each 1½ lbs. *$1 35*

WALDON-WORCESTER, CARBURETOR FLANGE AND GENERATOR WRENCH



Socket sizes 9/16 and ⅝ inches; length over all 10¼ inches. Recommended to reach both flange bolt nuts with carburetor and intake manifold in place and to reach the generator cap screws.

No.	A-771
1 to 4, Each	1 80
5 to 14, Each	1 59
15 or more, Each	1 44

Five in cardboard box; wt each 1 lb. *$0 80*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, MAIN BEARING TEE HANDLE

Socket size 9/16 inch; length over all 10 inches. Designed that it may be used on the center main bearing with the motor assembled and on the front main bearing when the motor is removed.

No.	A-773
1 to 4, Each	3 39
5 to 14, Each	3 00
15 or more, Each	2 70

Packed loose; wt each 1½ lbs *$1 50*

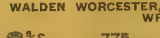
WALDEN WORCESTER, FOURTH CONNECTING ROD SWIVEL WRENCH

Socket size ⅝ inch; length over all 13¾ inches. Swivel action of the socket makes this wrench adapted for reaching the fourth connecting rod as it can be used in any position.

No.	A-774
1 to 4, Each	2 03
5 to 14, Each	1 80
15 or more, Each	1 62

Packed loose; wt each 1¾ lbs *$0 90*

WALDEN WORCESTER, MAIN BEARING SWIVEL WRENCH



Socket size 9/16 inch; length over all 13¾ inches. Swivel action of the socket permits using this wrench on the front main bearing and the center main bearing without removing the motor.

No.	A-775
1 to 4, Each	2 03
5 to 14, Each	1 80
15 or more, Each	1 62

Packed loose; wt each 1¾ lbs. *$0 90*

WALDEN WORCESTER, UNIVERSAL JOINT, T HANDLE, FOR FORD CARS

For Square Nut. Model T 1926

Socket size ½ inch square; length over all 12¾ inches.

No.	A-01016
1 to 4, Each	5 07
5 to 14, Each	4 50
15 or more, Each	4 05

Packed loose; wt each 1½ lbs *$2 25*

WALDEN WORCESTER, UNIVERSAL JOINT TEE HANDLE

For Hexagon Nut.

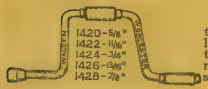
Universal joints and sockets have been used in combination with wrenches and are now complete in one solid tool. Will reach nuts otherwise inaccessible. Length over all 13¼ inches.

Nos.	A-1016	A-1018	A-1020
Size, ins	½	9/16	⅝
Wt each, lbs	1	1½	1½
1 to 4, Each	5 06	5 06	5 06
5 to 14, Each	4 50	4 50	4 50
15 or more, Each	4 05	4 05	4 05

Five in cardboard box. *$2 25* *2 25* *2 25*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, BRACE SOCKET
For Use on Demountable Rims.



Steel sockets, machine turned broached accurately to size and so fastened to the wire that they cannot turn. Pressed steel swivel handles.

No.	A-1420
Size, ins	5/8
Wt each, lbs	1 1/4
1 to 4, Each	2 46
5 to 14, Each	2 19
15 or more, Each	1 98

Five in cardboard box. *$1 10*

WALDEN-WORCESTER FOUR SOCKET RIM WRENCH

Socket sizes 5/8, 11/16, 3/4 and 7/8 inches.

Convenient in size and shape, made of special steel, heat treated. Can be used as either a speed or offset wrench. Where desirable, it can be used for tightening or loosening nuts by swinging the handle at any angle in either direction without removing the socket from nut.

No.	A-1452
1 to 4, Each	5 61
5 to 14, Each	4 98
15 or more, Each	4 50

Packed loose; wt each 1 1/2 lbs. *$2 50*

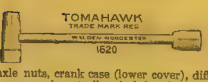
WALDEN WORCESTER, WHEEL ASSEMBLY WRENCH
FOR FORD CARS

Made of 5/8 inch steel; 12 inch sweep; double end brace; swivel handles on each end adjoining socket; each socket having two broached openings to take four parts, front hub cone and axle nut, hub cap and rear axle nut. Length over all 18 1/2 inches.

No.	A-1490
1 to 4, Each	6 18
5 to 14, Each	5 49
15 or more, Each	4 95

Two in carton; wt each 3 1/2 lbs. *$2 75*

WALDEN WORCESTER, TRIPLE SOCKET
For Hexagon Nut.



Triple socket, designed for use on cylinder head bolts. Rear axle housing nuts, water intake and outlet cap screws, rear axle nuts, crank case (lower cover), differential drive gear cap screws and controller shaft bracket nuts.

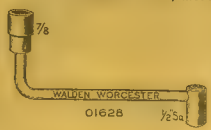
Sizes 5/8 and 1/2 inch hexagon.

No.	A-1620
1 to 4, Each	1 91
5 to 14, Each	1 71
15 or more, Each	1 53

Five in cardboard box; wt each 1 lb. *$0 85*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, DOUBLE END OFFSET FOR FORD CARS, Model T 1926



Socket sizes 7/8 inch hexagon and 1/2 inch square; length over all 10 1/4 inches.

No.	A-01628
1 to 4, Each	2 25
5 to 14, Each	2 01
15 or more, Each	1 80

Packed loose; wt each 1 1/2 lbs. *$1 00*

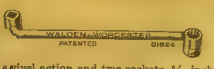
WALDEN WORCESTER, BRACE RIM, TAXICAB AND FLEET SERVICE
For Deep Socket, Disteel Wheels.

Steel socket; turned from 1/2 inch solid bar; socket fastened to handle so it will not turn or loosen. Length over all 16 inches.

Nos.	A-1720	A-1722	A-1724
Size socket, ins	5/8	11/16	3/4
1 to 4, Each	1 11	1 11	1 11
5 to 14, Each	99	99	99
15 or more, Each	90	90	90

Packed loose; wt each 17 ozs. *$0 50* *50* *50*

WALDEN-WORCESTER, MAIN BEARING
FOR FORD CARS



Socket sizes 9/16 inch square head and 3/4 inch double broached. An offset wrench with swivel action and two sockets, 9/16 inch square socket forfront. and center main bearings ,3/4 inch double broached for the rear main bearing. A combination that will reach all main bearings. Length over all 12 inches.

No.	A-01824
1 to 4, Each	3 39
5 to 14, Each	3 00
15 or more, Each	2 70

Five in cardboard box; wt each 1 1/2 lbs. *$1 50*

WALDEN WORCESTER, DOUBLE END, OFFSET, TWO SOCKETS

Socket sizes 9/16 inch hexagon and 5/16 inch square; length over all 9 7/16 inches. Fits front and center main bearings, wrist pin clamp screw, running board bracket, running board to fenders and front spring clamp bolt center.

No.	A-R1881
1 to 4, Each	2 70
5 to 14, Each	2 40
15 or more, Each	2 16

Five in cardboard box; wt each 1 lb. *$1 20*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, DOUBLE SOCKET, OFFSET

For Hexagon Nut.

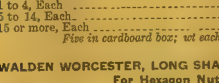
Socket sizes 9/16 and 3/4 inch; length over all 9 inches. Fits brake reverse support, clutch pedal support, crank case arm bolts and nuts; crank shaft bearing bolts and nuts; differential case stud nut; fan bracket; front fender iron bolt and nut; front spring clip nut; inlet and exhaust clamp stud and nut; spindle bolt nut; steering post bracket and yoke clamp, universal ball cap, bolts, nuts and screws.

No.	A-2418
1 to 4, Each	2 01
5 to 14, Each	1 80
15 or more, Each	1 62

Five in cardboard box; wt each 1 lb. *$0 90*

WALDEN WORCESTER, LONG SHANK, TEE HANDLE

For Hexagon Nut.



Steel socket, machine turned from solid bar; 6 inch handle and 12 inch shank; made from strong wire; socket so fastened to handle that it will not turn or loosen.

Nos.	A-2714	A-2716	A-2718	A-2719	A-2720
Size, ins.	7/16	1/2	5/8	9/16	5/8
Wt each, lbs.	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 to 4, Each	1 47	1 47	1 47	1 47	1 47
5 to 14, Each	1 26	1 26	1 26	1 26	1 26
15 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	*$0 65*	*65*	*65*	*55*	*65*

Nos.	A-2722	A-2724	A-2725	A-2726	A-2728
Size, ins.	11/16	3/4	13/16	11/16	7/8
Wt each, lbs.	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 to 4, Each	1 47	1 47	1 47	1 47	1 47
5 to 14, Each	1 26	1 26	1 26	1 26	1 26
15 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	*$0 65*	*65*	*65*	*55*	*65*

Five in cardboard box.

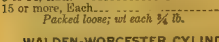
WALDEN-WORCESTER, SPARK PLUG WRENCH

Pressed steel, case-hardened; two sizes in one. 1/16 inch over size of spark plug, which prevents stretching and gives better outside clearance where plugs set in port plugs or deep in block. Length 4 inches.

Nos.	A-2937	A-3137
Size openings, ins.	7/8&1 1/8	13/16&1 1/8
1 to 4, Each	1 02	1 02
5 to 14, Each	90	90
15 or more, Each	81	81

Packed loose; wt each 3/4 lb. *$0 45* *45*

WALDEN-WORCESTER CYLINDER HEAD AND SPARK PLUG WRENCH



Pressed steel, case hardened; two sizes in one: 11/16 inch hexagon designed to fit spark plugs, 5/8 inch designed for all cylinder head cap screws. Length over all 11 inches.

No.	A-3620
1 to 4, Each	1 91
5 to 14, Each	1 71
15 or more, Each	1 53

Packed loose; wt each 1 lb. *$0 85*

AUTOMOBILE WRENCHES

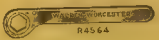
WALDEN WORCESTER, SINGLE SOCKET

Socket size 11/16 inch hexagon. Used on flywheel cap screws, heretofore considered an impossible place for a socket wrench.

No.	A-3822
1 to 4, Each	1 56
5 to 14, Each	1 38
15 or more, Each	1 26

Five in cardboard box; wt each 3/4 lb. *$0 70*

WALDEN-WORCESTER RATCHET WRENCH



11/16 inch hexagon opening; designed for use on the Ford brake and reverse transmission bands. Length over all 6 1/2 inches.

No.	A-R4564
1 to 4, Each	1 23
5 to 14, Each	1 11
15 or more, Each	99

Half doz in cardboard box; wt per doz 4 lbs. *$0 55*

WALDEN WORCESTER, TRIPLE SOCKET, OFFSET

For Hexagon Nut.

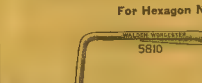
Designed for heavy work; length over all 10 1/2 inches; socket sizes 15/16, 7/8 and 11/16 inches. Used on body bracket, front radius rod, front spring perch, front spring hanger, radius rod, rear hub nut, rear spring clip, rear spring hanger, rear wheel to brake drum, spindle bolt, spindle connecting rod; brake support of truck, rear axle housing split, rear spring hanger.

No.	A-5860
1 to 4, Each	2 48
5 to 14, Each	2 19
15 or more, Each	1 98

Five in cardboard box; wt each 1 lb. *$1 10*

WALDEN WORCESTER, CONNECTING ROD

For Hexagon Nut.



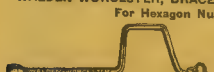
Steel socket; machine turned from solid bar; socket fastened to handle so that it will not turn nor loosen. Will fit all connecting rods, including fourth connection, without removing engine from car.

No.	A-5810
1 to 4, Each	1 35
5 to 14, Each	1 20
15or more, Each	1 08

Packed five in box; wt each 1 lb. *$0 60*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, BRACE SOCKET SPEED

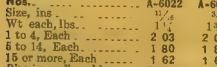


For Hexagon Nut. Long shank braces; 11¼ in. shank; length over all 19⅝ ins; 9 in. sweep. Used in combination with other socket wrenches for spinning nuts on and off.

Nos.	A-6014	A-6016	A-6018	A-6019	A-6020
Size, ins	7/16	½	9/16	19/32	5/8
Wt each, lbs	1¼	1⅜	1¾	1½	1½
1 to 4, Each	2 03	2 03	2 03	2 03	2 03
5 to 14, Each	1 80	1 80	1 80	1 80	1 80
15 or more, Each	1 62	1 62	1 62	1 62	1 62
	$0 90	*90*	*90*	*90*	*90*

Nos.	A-6022	A-6024	A-6025	A-6026
Size, ins	11/16	3/4	27/32	13/16
Wt each, lbs	1½	1¾	1¾	1¾
1 to 4, Each	2 03	2 03	2 03	2 03
5 to 14, Each	1 80	1 80	1 80	1 80
15 or more, Each	1 62	1 62	1 62	1 62
Five in cardboard box.	*$0 90*	*90*	*90*	*90*

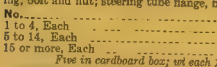
WALDEN WORCESTER, BRACE SOCKET SPEED



Short shank; socket size ½ inch hexagon; 5 inch shank; length over all 19⅝ inches. Will fit crank case, lower coverscrew; differential drive gear case; muffler rod nut; rear axle housing, bolt and nut; steering tube flange, bolt and nut.

No.	A-6064
1 to 4, Each	1 80
5 to 14, Each	1 62
15 or more, Each	1 44
Five in cardboard box; wt each 1 lb.	*$0 80*

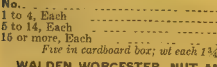
WALDEN WORCESTER, BRACE SOCKET SPEED



Long shank; socket size 7/16 inch; length shank 20 inches; length over all 28 inches. Used on front fender iron bolt and radiator stud nut.

No.	A-6218
1 to 4, Each	2 81
5 to 14, Each	2 52
15 or more, Each	2 25
Five in cardboard box; wt each 13¼ lbs.	*$1 25*

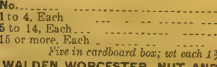
WALDEN WORCESTER, NUT AND BOLT SPEED



Socket sizes 7/16 inch hexagon; length over all 20⅝ inches. Fits ball socket, crank case arm, steering post bracket, steering yoke clamp and transmission cover bolts and nuts.

No.	A-6318
1 to 4, Each	6 75
5 to 14, Each	6 00
15 or more, Each	5 40
Five in cardboard box; wt each 13¾ lbs.	*$3 00*

WALDEN WORCESTER, NUT AND BOLT SPEEDERS



Socket sizes 1/2 and 9/16 inches; length over all 20¼ inches. For use on rear axle housing bolt and nut.

No.	A-6316
1 to 4, Each	6 75
5 to 14, Each	6 00
15 or more, Each	5 40
Packed loose; wt each 2½ lbs.	*$3 00*

AUTOMOBILE WRENCHES

WALDEN-WORCESTER, CYLINDER HEAD LIFTERS

A tool that enables lifting cylinder head from block without damaging gaskets or surrounding parts. Made in one size with three different threads, metric, ½ inch pipe and ⅛ inch—18, which will fit all spark plug holes. Removes cylinder heads on the following cars:

Auburn	Essex	Jordan	Packard
Ajax	Flint	Lincoln	Paige
Cadillac	Ford	Maxwell	Pierce-Arrow
Chandler	Gardner	Moon	Pontiac
Cleveland	Gray	Oakland	Rickenbacker
Chrysler	Hertz	Oldsmobile	Reo
Dodge	Hudson	Overland	Star
Diana	Hupmobile	Peerless 67, 72 and 80 Models	Studebaker
	Jewett		

	Each
No. A-L3—Length handle 6¾ ins, shank 5 ins	1 95
Packed loose; wt each ½ lb.	*$1 00*

WRENCH SETS
In Canvas Rolls.
S. A. E. Standard.

Steel, drop forged.

Designed to meet the requirements of automobilists and machinists.

Set consists of 5 double end wrenches, size 3/8 & 7/16, 1/2 & 9/16, 5/8 & 11/16, 3/4 & 13/16 and 7/8 & 1 1/16 inches.

	Per Set
No. A-8½BR—Black finish	5 85
One set in heavy duck roll; wt per box sets 36 lbs.	*$4 47*

Set consists of 6 double end wrenches, size 3/8 & 7/16, 1/2 & 9/16, 5/8 & 11/16, 3/4 & 13/16, 7/8 & 15/16 and 1 & 1 1/16 inches.

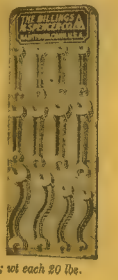
	Per Set
No. A-17½BR—Black finish	5 55
One in heavy duck roll; wt per box sets 24 lbs.	*$4 18*

BILLINGS & SPENCER, DISPLAY BOARD

Set consists of 36 wrenches, 3 each as follows:

	Williams corresponding Number
No. 1107	(23)
No. 1109	(725)
No. 1111	(725B
No. 1112	(25)
No. 1116	(727)
No. 1118	(27)
No. 1123	(29)
No. 1126	(731A)
No. 2009	(676B)
No. 2007	(677B
No. 2017	(679)
No. 2025	(681B)

Size board 26x9 9/16 inches.

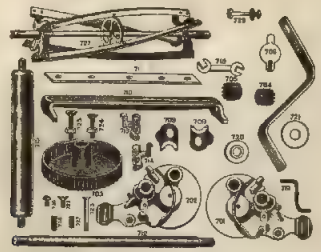


	Each
No. A-10B—Black finish	30 90
	$23 84

Board and wrenches packed in carton; wt each 20 lbs.

LAWN MOWER PARTS.

FOR STYLE "K" GREAT AMERICAN.



For 3 Knife Solid and 4 Knife Open Cylinder. 14, 16 and 18 Inches.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.

NOTE—When parts are wanted for the 10 and 12 inch machines, add 100 to the numbers on this sheet, thus: If Left Hand Pinion is wanted, it would be No. 804; Cylinder, No. 807, etc., as shown by special circular for 10 and 12 inch. In ordering: First, give number with description of parts; second, always give width of cut and name of machine.

New No.	Old No.	Article	Weight	Each
	701	Left Hand Side Plate...	3½ lbs.	$2 50
	702	Right Hand Side Plate..	3¼ lbs.	2 50
	703	Driving Wheels, both alike, each	3¾ lbs.	2 00
	704	Left Hand Pinion, 14 Cogs	6 ozs.	50
	705	Right Hand Pinion, 14 Cogs	6 ozs.	50
	706	Pawls, both alike, each.	6 ozs.	10
	*707	Cylinder, complete (state if solid 3 knives or open 4 Knives), 14 in.....	5¼ lbs.	6 00
		Cylinder, complete (state if solid 3 knives or open 4 Knives), 16 in.....	5¾ lbs.	7 00
		Cylinder, complete (state if solid 3 knives or open 4 Knives), 18 in.....	6½ lbs.	8 00
	708	Left Hand Cylinder Cap	3 ozs.	50
	709	Right Hand Cylinder Cap	3 ozs.	50
	710	Cast Back for Stationary Knife, 14 in.....	2¾ lbs.	1 50
		Cast Back for Stationary Knife, 16 in.....	3¼ lbs.	1 70
		Cast Back for Stationary Knife, 18 in.....	3¾ lbs.	1 90
	711	Steel Stationary Blade, 14 in.	7 ozs.	70
		Steel Stationary Blade, 16 in.	8 ozs.	80
		Steel Stationary Blade, 18 in.	10 ozs.	90
	*712	Shaft for frame, 14 in...	2 lbs.	70
		Shaft for frame, 16 in...	2¼ lbs.	80
		Shaft for frame, 18 in...	2½ lbs.	90
118	713	Left Hand Roller Bracket	7 ozs.	30
119	714	Right Hand Roller Bracket	7 ozs.	30
1221	715	Wood Roller, 14 in.....	1¼ lbs.	90
		Wood Roller, 16 in.....	1½ lbs.	1 00
		Wood Roller, 18 in.....	1¾ lbs.	1 10
	*716	Hand Brace, both alike, 14 in., each.....	1 lb.	45
		Handle Brace, both alike, 16 in., each.....	1¼ lbs.	55

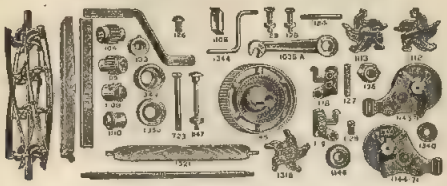
*Not carried in stock.

New No.	Old No.	Article	Weight	Each
	*716	Handle Brace, both alike, 18 in., each.....	1½ lbs.	$0 65
	717	Wood Handle	2¼ lbs.	1 50
1418	*718	Wrench	4 ozs.	20
1133	720	Cast Inside Washers for Dead Knife, both alike, each	1 oz.	05
	721	Cast Washers for Pinion	1 oz.	05
1338	721½	Cast Washers for Wheel.	1 oz.	05
	722	Machine Screws for end of Cylinder, both alike, each 5/16x⅝	1 oz.	05
	723	Machine Screws for end of Driving Wheel, 3x5/16.	2 ozs.	05
129	724	Bolts for Dead Knife, both alike, each, ¼x1⅜	1 oz.	05
128	725	Bolts for Roller Bracket, both alike, each ¼x1¼	1 oz.	05
126	726	Machine Screw for Dead Knife, ¼x½, Round Head	1 oz.	05
1030	727	Set Screw for Adjusting Cylinder Cap, both alike, each 5/16x⅞....	1 oz.	05
127	728	Set Screw for Adjusting Dead Knife, both alike, each 5/16x1 3/16.....	1 oz.	05
131	*729	Bolts for Wood Handle, both alike, each ¼x2½	1 oz.	05
	730	Spiral Knife for Cylinder (State if open or solid), 14 in.....	12 ozs.	80
		Spiral Knife for Cylinder (state if open or solid), 16 in.....	14 ozs.	90
		Spiral Knife for Cylinder (state if open or solid), 18 in.....	1 lb.	1 00
B1432	*731	Cylinder Rings	5 ozs.	60
	*732	Cylinder Ends (state if Right or Left).....	1¼ lbs.	1 20
137	*733	Roller Pins, each.....	2 ozs.	15
142	*734	Rivets for Cylinder Knives, ¼x9/16	1 oz.	05

*Not carried in stock.

LAWN MOWER PARTS.

FOR GREAT AMERICAN BALL BEARING.



For 15, 17, 19 and 21 Inch Mowers.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. In ordering: 1st. Give number with description of parts. 2nd. Always give width of cut and name of machine.

Note—When ordering side plates, wheel washers or bolts, be careful to give number that is cast on the plates—1143 and 1144 or 1143-71 and 1144-71, or 1101-42 and 1102-42.

New No.	Old No.	Article	Weight	Each
1101-42	1143-71	Left Hand Side Plate, with Cup	4 lbs.	$3 00
1102-42	1144-71	Right Hand Side Plate, with Cup	4 lbs.	3 00
1145	1145	Driving Wheel (both alike)	7 lbs.	3 00
1104	1104	Left Hand Pinion, 13/16 Hole, 13 Cogs	4 ozs.	50
1105	1105	Right Hand Pinion, 13/16 Hole, 13 Cogs	4 ozs.	50
1106	1106	Steel Pawl (both alike)	1 oz.	10
1349	1349	Ball Cup alike, without Balls	3 ozs.	40
1350	1350	Dust Cap for Ball Cup	1 oz	20
B1522	1109	Left Hand Cone	4 ozs.	60
B1523	1110	Right Hand Cone	4 ozs.	60
*1111-42	*1111	Cylinder, complete, 15 in.	7 lbs.	8 00
		Cylinder, complete, 17 in.	7¾ lbs.	9 00
		Cylinder, complete, 19 in.	8½ lbs.	10 00
		Cylinder, complete, 21 in	9 lbs.	11 00
*1316A	*1112	Left .. Hand .. Cylinder Head	1¼ lbs.	2 00
*1317A	*1113	Right Hand Cylinder Head	1¼ lbs.	2 00
1318	1318	Cylinder Ring	8 ozs.	90
*1115	*1115	Cylinder Knife, 15 in.	9 ozs	1 00
		Cylinder Knife, 17 in.	10 ozs.	1 10
		Cylinder Knife, 19 in.	12 ozs.	1 20
		Cylinder Knife, 21 in.	15 ozs.	1 30
1312	1116	Cast Back for Stationary Knife, 15 in.	3¾ lbs.	1 75
		Cast Back for Stationary Knife, 17 in.	4 lbs.	2 00
		Cast Back for Stationary Knife, 19 in.	4½ lbs.	2 25
		Cast Back for Stationary Knife, 21 in.	5¼ lbs.	2 50
1313	1313	Steel Stationary Blade, 15 in.	1 lb.	1 25
		Steel Stationary Blade, 17 in	1¼ lbs.	1 35
		Steel Stationary Blade, 19 in.	1½ lbs.	1 50
		Steel Stationary Blade, 21 in.	1¾ lbs.	1 70
*1314	*1314	Shaft for Frame, 15 in.	2 lbs	1 00
		Shaft for Frame, 17 in.	2¼ lbs.	1 10
		Shaft for Frame, 19 in.	2¾ lbs.	1 20
		Shaft for Frame, 21 in.	3 lbs.	1 30

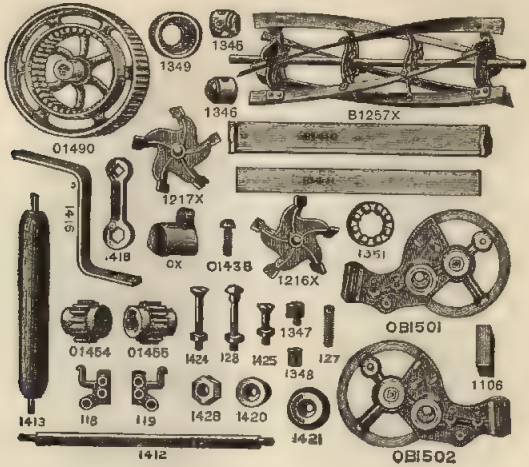
*Not carried in stock.

New No.	Old No.	Article	Weight	Each
1321	1321	Wood Roller 15 in., 13¾ in.	1¼ lbs.	90
		Wood Roller, 17 in. 15¾ in.	1¼ lbs.	1 00
		Wood Roller, 19 in., 17¾ in.	1¾ lbs.	1 10
		Wood Roller, 21 in., 19¾ in.	2 lbs.	1 20
118	118	Left Hand Roller Bracket	7 ozs.	30
119	119	Right Hand Roller Bracket	7 ozs.	30
*1122	*1122	Handle Brace, 15 in.	1⅜ lbs.	50
		Handle Brace, 17 in.	1¼ lbs.	60
		Handle Brace, 19 in.	1½l lbs.	70
		Handle Brace, 21 in.	1¾ lbs.	80
1123	-1123	Wood Handle	3¼ lbs.	1 50
127	127	Set Screw for Regulating Cast Back, 21/64x1¼	1 oz.	05
126	126	Machine Screw for Stationary Knife Blades, ¼x⅜	1 oz.	05
131	131	Bolt for Wood Handle, ¼x2¾	2 ozs.	05
128	128	Bolt for Roller Bracket and Cast Back, ¼x1¼	1 oz.	05
*1133	*1133	Washer for Cast Back, ¼	1 oz.	05
1340	1340	Washer for Roller Bracket Bolt, ¼	1 oz.	05
*136	*136	Nut for End of Shaft, Hexagon	1 oz.	05
1036A	1036A	Wrench	6 ozs.	40
1344	1344	Sharpening Crank	4 ozs.	20
1351	1351	Balls, complete Set for one Cup, with Retainer	2 ozs.	40
*1353	*1353	Rivets for Cylinder Knives, 9/16x18/64	1 oz.	05
*137	*137	Roller Pins	2 ozs.	15
*1141-42	*1141	Shaft . for . Cylinders, 15 in.	8 ozs.	60
		Shaft for Cylinders, 17 in.	12 ozs.	70
		Shaft for Cylinders, 19 in.	14 ozs.	80
		Shaft for Cylinders, 21 in.	1 lb.	90
1146-71	-1146	Washer for Wheel, 1145.	1 oz.	05
1147	1147	Bolt for Wheel, 1145, ¼x3¾	2 ozs.	10
*145	*145	Handle Clamps, each	7 ozs.	20
*146	*146	Bolt for Handle Clamps, ¼x⅞	1 oz.	05

*Not carried in stock.

LAWN MOWER PARTS.

FOR WM. PENN BALL BEARING.



The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.
In ordering: 1st. Give number with description of parts. 2nd Always give width of cut and name of machine.

No.	Article	Shipping Weight	Each
OB1501	Left Hand Side Plate, with Ball Cup	3¼ lbs	$2 50
OB1502	Right Hand Side Plate, with Ball Cup	3¼ lbs.	2 50
01490	Driving Wheel, 9-inch	5½ lbs.	2 25
01454	Left Hand Pinion, 13 Cogs, ⅝	4 ozs.	50
01455	Right Hand Pinion, 13 Cogs, ⅝	4 ozs.	50
1106	Pawl, both alike, each	1 oz.	10
*B1227X	Cylinder comp. 5 knives, 16 in	7 lbs	8 50
*B1220X	Steel Shaft for Cylinder 16 in	1¾ lbs	60
*1216X	L. H. Cylinder Head, 5 Wing	1⅝ lbs.	1 75
*1217X	R. H. Cylinder Head, 5 Wing	1⅝ lbs.	1 75
1410	Stationary Knife, complete, 16 in.	2¾ lbs	1 60
1411	Steel Stationary Blade, 16 in.	9 ozs.	80
*1412	Shaft for Frame, 16 in. (16½ in.)	1½ lbs.	70
1413	Wood Roller, 16 in. (14 in.)	1¼ lbs	1 00
118	Left Hand Roller Bracket	7 ozs	30
119	Right Hand Roller Bracket	7 ozs.	30
*1416	Handle Braces, each, 16 in.	1 lb.	55
1417	Wood Handle, Steel Clamp	2½ lbs.	1 50
1418	Wrench	4 ozs	20
127	Set Screws for Adjusting Dead Knife, 1¼x21/64	1 oz.	05
1340	Washer for Dead Knife Bolt, ¼	1 oz.	05
1421	Washer for Wheel	1 oz.	05
1424	Bolt for Wheel Bearing, ¼x2¾	2 ozs.	05

*Not carried in stock.

No	Article	Shipping Weight	Each
128	Bolt for Roller Bracket and Dead Knife, ¼x1¼	1 oz.	05
1426	Bolt for Handle, ¼x2½	2 ozs.	05
*1219X	Cylinder Knives, each, 16 in.	12 ozs.	90
1428	Hexagon Nut on Shaft	1 oz.	05
137	Roller Pin	2 ozs.	15
1353	Rivets for Cylinder Knives, 13/64 x9/16	1 oz.	05
1430	Rivets for Dead Knife Blade, 5/8 x13/64	1 oz.	05
*1218X	Cylinder Rings, 5 Wing	5 ozs.	60
1345	Left Hand Cone, 1⅛ in. long	4 ozs.	60
1346	Right Hand Cone, 1⅛ in. long	4 ozs.	60
1347	Eccentric Screws for Adjusting Cone, 7/16x1/2	1 oz.	20
1348	Set Screw for Cone, 5/16x1/2	1 oz.	10
1349	Ball Cup, without Balls	2 ozs.	40
1351	Retainer, with Balls	2 ozs.	40
*OX	Shield for Cap for Pinion	4 ozs.	20
203	Machine Screw to Fasten Shield, ¼x⅝	1 oz.	05
*145	Steel Handle Clamps, each	7 ozs.	20
146	Bolt for Handle Clamps, ¼x⅞	1 oz.	05
1332	Sq. Head Set Screw fasten cylinder head to shaft, 5/16x1/2	1 oz.	05

*Not carried in stock.

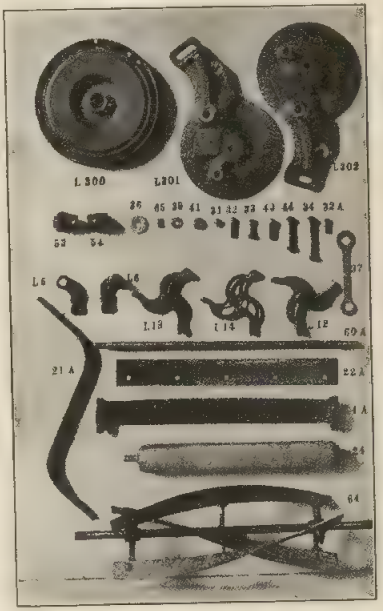
LAWN MOWER PARTS.

FOR MAGIC

When ordering parts for the mower be careful to order from numbers cast upon various parts which correspond with numbers on annexed diagram and list. To prevent error it would be well also to mention the size of the mower.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.

		Each
L301	Right Hand Side Plate	$2 40
L302	Left Hand Side Plate	2 40
L300	Wheel	2 00
*L 4A	Cutter Bar. 12 in. $1 40; 14 in. 1 60; 16 in. 1 80; 18 in. 2 00; 20 in. 2 20	
L 5	Right Hand Bracket	24
L 6	Left Hand Bracket	24
*L 12	Right Hand Cutter Head	1 20
*L 13	Left Hand Cutter Head	1 20
*L 14	Center Cutter Head	60
L 53	Right Hand Pinion Gear	40
L 54	Left Hand Pinion Gear	40
* 21A	Handle Brace. 12 in. $0 56; 14 in. 64; 16 in. 72; 18 in. 80; 20 in. 88	
* 22A	Under Knife. 12 in. $1 00; 14 in. 1 20; 16 in. 1 40; 18 in. 1 60; 20 in. 1 80	
* 60A	Front Brace. 12 in. $0 60; 14 in. 80; 16 in. 1 00; 18 in. 1 20; 20 in. 1 40	
* 24	Wood Roller. 12 in. $0 50; 14 in. 60; 16 in. 70; 18 in. 80; 20 in. 90	
* 44	Bolt for Wheel	20
* 43	Screw for End Cutter Bar	20
* 31	Screw for Under Knife	10
* 32	Screw for Adjusting Cutter Bar	10
* 32A	Adjusting Block	10
* 33	Bolt for Brackets	10
* 34	Bolt for Handle Brace	10
* 36	Washer for Wheel	10
37	Wrench	20
65	Pawls	10
* 39	Washer for Handle	04
* 64	Wiper Complete 3 Knives. 12 in. $6 00; 14 in. 7 00; 16 in. 8 00; 18 in. 9 00; 20 in. 10 00	
* 41	Nut for Front Brace	10
	Wood Handle	1 50
* 62	Wiper Complete, 4 Knives. 12 in. $7 00; 14 in. 8 00; 16 in. 9 00; 18 in. 10 00; 20 in. 11 00	



*Not carried in stock. For shipment from factory only.

LAWN MOWER PARTS.

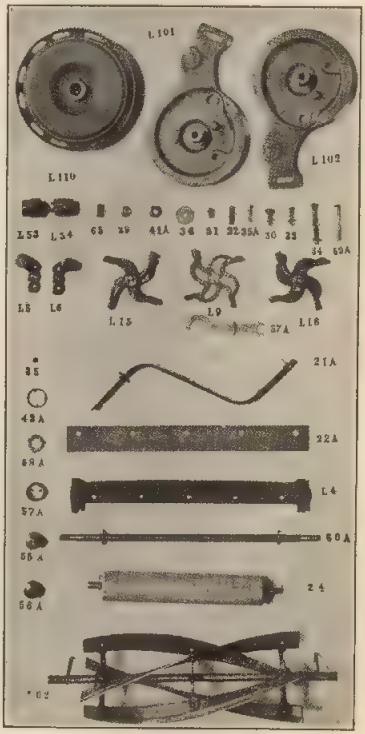
FOR MONARCH.

When ordering parts for the mower be careful to order from numbers cast upon various parts which correspond with numbers on annexed diagram and list. To prevent error it would be well also to mention the size of the mower.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.

		Each
L101	Right Hand Side Plate	$3 75
L102	Left Hand Side Plate	3 75
L110	Wheel	2 00
*L 4	Cutter Bar 12 in. $1 40 — 14 in. 1 60 — 16 in. 1 80 — 18 in. 2 00 — 20 in. 2 20	
L 5	Right Hand Bracket	24
L 6	Left Hand Bracket	24
*L 15	Right Hand Cutter Head	1 20
*L 16	Left Hand Cutter Head	1 20
*L 9	Center Cutter Head	60
L 53	Right Hand Pinion Gear	40
L 54	Left Hand Pinion Gear	40
* 21	Handle Brace. 12 in. $0 56 — 14 in. 64 — 16 in. 72 — 18 in. 80 — 20 in. 88	
* 22A	Under Knife. 12 in. $1 00 — 14 in. 1 20 — 16 in. 1 40 — 18 in. 1 60 — 20 in. 1 80	
* 60A	Front Brace. 12 in. $0 60 — 14 in. 80 — 16 in. 1 00 — 18 in. 1 20 — 20 in. 1 40	
* 24	Wood Roller 12 in. $0 50 — 14 in. 60 — 16 in. 70 — 18 in. 80 — 20 in 90	
* 55A	Right Hand Cone	1 00
* 56A	Left Hand Cone	1 00
* 57A	Ball Case	60
* 58A	Ball Retainer	40
* 59A	Screw for Wheel	20
* 30	Screw for End Cutter Bar	20
* 31	Screw for Under Knife	10
* 32	Screw for Adjusting Cutting Bar	10
* 33	Bolt for Brackets	10
* 34	Bolt for Handle Brace	10
* 35	Set Screw for Cones	10
* 35A	Adjusting Screw for Cones	10
* 36	Washer for Wheel	10
37A	Wrench	20
65	Pawls	10
* 39	Washer for Handle	04
* 62	Wiper Complete, 4 Knives. 12 in. $7 00 — 14 in. 8 00 — 16 in. 9 00 — 18 in. 10 00 — 20 in. 11 00	
* 41	Nut for Front Brace	10
	Wood Handle	1 50

*Not carried in stock. For shipment from factory only.



LAWN MOWER PARTS.

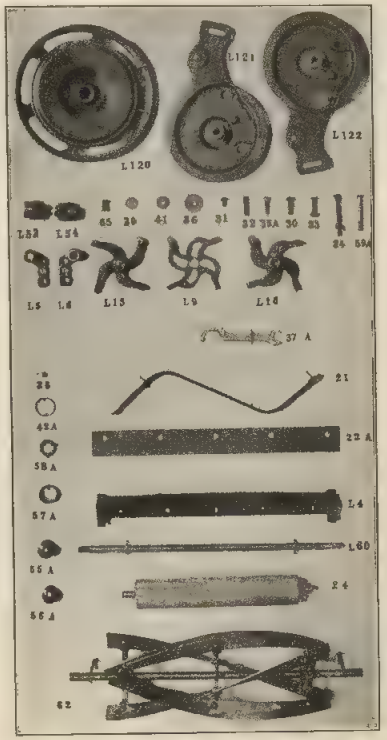
FOR WIZARD.

When ordering parts for the mower be careful to order from numbers cast upon various parts which correspond with numbers on annexed diagram and list. To prevent error it would be well also to mention the size of the mower.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.

		Each
L121	Right Hand Side Plate	$3 75
L122	Left Hand Side Plate	3 75
L120	Wheel	2 00
*L 4	Cutter Bar. 12 in. $1 40; 14 in. 1 60; 16 in. 1 80; 18 in. 2 00; 20 in. 2 20	
L 5	Right Hand Bracket	24
L 6	Left Hand Bracket	24
*L 15	Right Hand Cutter Head	1 20
*L 16	Left Hand Cutter Head	1 20
*L 9	Center Cutter Head	60
L 53	Right Hand Pinion Gear	40
L 54	Left Hand Pinion Gear	40
* 21	Handle Brace. 12 in. $0 56; 14 in. 64; 16 in. 72; 18 in. 80; 20 in. 88	
* 22A	Under Knife. 12 in. $1 00; 14 in. 1 20; 16 in. 1 40; 18 in. 1 60; 20 in. 1 80	
*L 60	Front Brace. 12 in. $0 60; 14 in. 80; 16 in. 1 00; 18 in. 1 20; 20 in. 1 40	
* 24	Wood Roller. 12 in. $0 50; 14 in. 60; 16 in. 70; 18 in. 80; 20 in. 90	
* 55A	Right Hand Cone	1 60
* 56A	Left Hand Cone	1 00
* 57A	Ball Case	60
* 58A	Ball Retainer	40
* 59A	Screw for Wheel	20
* 30	Screw for End Cutter Bar	20
* 31	Screw for Under Knife	10
* 32	Screw for Adjusting Cutter Bar.	10
* 33	Bolt for Brackets	10
* 34	Bolt for Handle Brace	10
* 35	Set Screw for Cones	10
* 35A	Adjusting Screw for Cones	10
* 36	Washer for Wheel	10
37A	Wrench	20
65	Pawls	10
* 39	Washer for Handle	04
* 62	Wiper Complete, 4 Knives. 12 in. $7 00; 14 in. 8 00; 16 in. 9 00; 18 in. 10 00; 20 in. 11 00	
* 41	Nut for Front Brace	10
	Wood Handle	1 50

*Not carried in stock. For shipment from factory only.



LAWN MOWER PARTS.

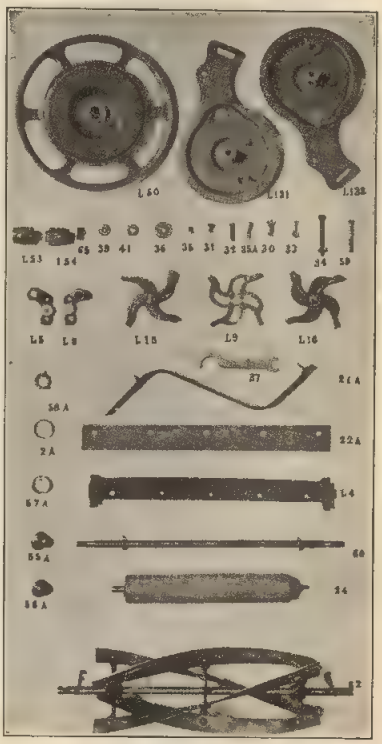
FOR ELM PARK.

When ordering parts for the mower be careful to order from numbers cast upon various parts which correspond with numbers on annexed diagram and list. To prevent error it would be well also to mention the size of the mower.

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.

		Each
L131	Right Hand Side Plate	$3 75
L132	Left Hand Side Plate	3 75
L 50	Wheel	2 00
*L 4	Cutter Bar. 12 in. $1 40; 14 in. 1 60; 16 in. 1 80; 18 in. 2 00; 20 in. 2 20	
L 5	Right Hand Bracket	24
L 6	Left Hand Bracket	24
*L 15	Right Hand Cutter Head	1 20
L 16	Left Hand Cutter Head	1 20
L 9	Center Cutter Head	60
L 53	Right Hand Pinion Gear	40
L 54	Left Hand Pinion Gear	40
* 21	Handle Brace. 12 in. $0 56; 14 in. 64; 16 in. 72; 18 in. 80; 20 in. 88	
* 22A	Under Knife. 12 in. $1 00; 14 in. 1 20; 16 in. 1 40; 18 in. 1 60; 20 in. 1 80	
*L 60	Front Brace. 12 in. $0 60; 14 in. 80; 16 in. 1 00; 18 in. 1 20; 20 in. 1 40	
* 24	Wood Roller. 12 in. $0 50; 14 in. 60; 16 in. 70; 18 in. 80; 20 in. 90	
* 55A	Right Hand Cone	1 00
* 56A	Left Hand Cone	1 00
* 57A	Ball Case	60
* 58A	Ball Retainer	40
* 59	Screw for Wheel	20
* 30	Screw for End Cutter Bar	20
* 31	Screw for Under Knife	10
* 32	Screw for Adjusting Cutter Bar	10
* 33	Bolt for Brackets	10
* 34	Bolt for Handle Brace	10
* 35	Set Screw for Cones	10
* 35A	Adjusting Screw for Cones	10
* 36	Washer for Wheel	10
37A	Wrench	20
* 65	Pawls	10
* 39	Washer for Handle	04
* 62	Wiper Complete, 4 Knives. 12 in. $7 00; 14 in. 8 00; 16 in. 9 00; 18 in. 10 00; 20 in. 11 00	
* 41	Nut for Front Brace	10
	Wood Handle	1 50

*Not carried in stock. For shipment from factory only.



EMPIRE POCKET KNIVES

Made of the finest Pocket Cutlery Steel, high in Carbon, making a blade which will cut and hold its edge. Blades are of the finest temper possible to be obtained.

Pruning Knife

One Pruning Blade, Glazed Finish, Steel Lined, Steel Bolster.

Per Dozen

No. 715R—Cocobola Handle, 4¼ in. Long, Weight Per Dozen 2½ Lbs. $18.00

Jack, Two Blades, Large Spear and Pen, Glazed Finish, Brass Lined, Nickel Bolster.

Per Dozen

No. 032R-ED—Easy Opener, Redwood Handle, 3⅝ in. Long, Weight Per Dozen 2¼ Lbs. ... $12.50

Stabber, Two Blades, Large Spear and Pen, Glazed Finish, Steel Lined, Steel Bolster.

Per Dozen

No. 257R-CH—Redwood Handle 3⅝ in. Long, with Chain, Weight Per Dozen 1¾ Lbs. $8.00

Two Blades, Glazed Finish Blades, Brass Lined, Steel Bolster.

Per Dozen

No. 063¾-EBEV—Large Saber Clip and Pen, Ebony Handle, 3⅝ in. Long. $18.00
No. 062-S—Plain Spear and Pen, Stag Handle. 12.00
No. 063-E—Plain Spear and Pen, Ebony Handle. 12.00

Weight Per Dozen 2½ Pounds.

Jack, Two Blades, Large Spear and Pen, Glazed Finish, Brass Lined, Nickel Bolster and Cap

Per Dozen

No. 046-SEO—Easy Opener Stag Handle, 3⅝ in. Long, Weight Per Dozen 2¼ Lbs. $18.00

Two Blades, Large Broad Spear and Pen, Polished Mark Side, Brass Lined, Nickel Bolster and Cap.

Per Dozen

No. 461-S—Stag Handle 3¾ in. Long, Weight Per Dozen 3 Lbs. $17.00

All Above, One Half Dozen in a Box

EMPIRE POCKET KNIVES

Cruckle Jack, Two Blades, Large Spear and Pen, Large Blade Polished One Side, Brass Lined, Nickel Bolster and Cap.

Per Dozen

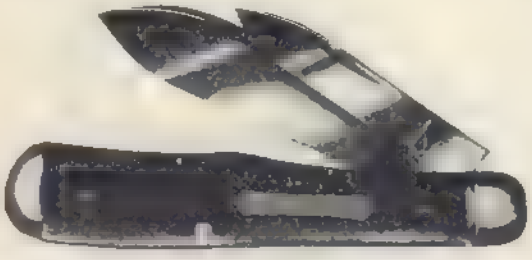
No. 2240-S —Stag Handle, 3⅛ in. Long.....$14.00
No. 2240-SCH—Same as Above, with Chain..... 15.00

Weight Per Dozen 1¼ and 2 Pounds.

Small Bullhead, Two Blades, Large Spear and Pen, Glazed Finish, Brass Lined, Nickel Bolster and Cap.

Per Dozen

No. 054-S—Stag Handle, 3⅜ in. Long, Weight Per Dozen 2 Lbs.....$12.50



Stabber, Norfolk Front, Two Blades, Large Spear and Pen, Large Blade Polished Mark Side, Brass Lined, Steel Bolster and Cap.

Per Dozen

No. 2368-E —Ebony Handle, 3⅝ in. Long.....$13.00
No. 2368-SCH—Stag Handle, with Chain..... 14.00

Weight Per Dozen 2 Pounds.

Two Blades, Large Spear and Pen, Glazed Finish, Brass Lined, Nickel Bolster and Cap.

Per Dozen

No. 062½-S—Stag Handle, 3⅝ in. Long, Weight Per Dozen 2½ Lbs.....$13.00

Regulator, Two Blades, Large Spear and Pen, Large Blade Polished One Side, Brass Lined, Nickel Bolster and Cap.

Per Dozen

No. 448-E—Ebony Handle, 4⅛ in. Long, Weight Per Dozen 3¼ Lbs.....$20.00

Lock-Back Electricians', Two Blades, Large Spear and Screw Driver, Glazed Finish, Brass Lined, Nickel Bolster.

Per Dozen

No. 872-E—Ebony Handle, 3⅝ in. Long, Weight Per Dozen 2¼ Lbs.....$18.00

Large Bullhead, Two Blades, Large Spear and Pen, Glazed Finish, Brass Lined, Steel Bolster and Cap.

Per Dozen

No. 060-S—Stag Handle, 3⅝ in. Long, Weight Per Dozen 2½ Lbs.....$13.00

Sleeveboard, Three Blades, Large Clip, Sheep and Pen, Large Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 858-E—Ebony Handle, 3⅝ in. Long, Weight Per Dozen 2 Lbs $22.50

All Above, One-half Dozen in a Box.

EMPIRE POCKET KNIVES

Carbo, Three Blades, Large Spear and Two Pens, Large Blade Polished One Side, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 3209-S—Stag Handle, 3¼ in. Long, Weight Per Dozen 1¼ Lbs. **$22.00**

California Jack, Three Blades Large and Small Clip and Pen, Large Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 369¾-S—Stag Handle, 3⅝ in Long, Weight Per Dozen 1¾ Lbs. **$21.50**

Carpenters', Three Blades, Spear, Sheepfoot and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 957-S—Stag Handle, 3⅝ in. Long, Weight Per Dozen 2¾ Lbs. **$20.50**

Scout Jr., Four Blades, Sheepfoot, Punch, Can Opener, Screwdriver and Cap-Lifter, Blade Polished One Side, Brass Lined, Nickel Bolsters and Shackle.

Per Dozen

No. 6-BS—Stag Handle, 3⅜ in. Long, Weight Per Dozen 2¼ Lbs. **$21.00**

Regulation Boy Scout, Four Blades, Large Spear, Punch, Can Opener, Screwdriver and Cap Lifter, Spear, Blade Polished One Side, Brass Lined, Nickel Bolsters and Shackle.

Per Dozen

No. 4-BS—Stag Handle, 3⅝ in. Long, Weight Per Dozen 3 Lbs. **$22.00**

Tourist or Picnic, Four Blades, Spear Polished One Side, Flexible File, Combined Screwdriver and Cap Lifter, Cork Screw, Brass Lined, Nickel Bolster.

Per Dozen

No. 378-SF—Stag Handle, 3⅛ in. Long, Weight Per Dozen 1¾ Lbs. **$35.00**

Wharncliffe, Three Blades Large Pocket Half Polished, and Two Pens, Brass Lined, Nickel Bolsters.

Per Dozen

No. 362-GS—Genuine Stag Handle, 3⅝ in. Long, Weight Per Dozen 1½ Lbs. **$23.50**

Senator, Three Blades, Spear, Pen and Nail File, Spear Polished One Side, Brass Lined Nickel Bolsters.

Per Dozen

No. 929-S—Stag Handle, 3½ in. Long, Weight Per Dozen 1¾ Lbs. **$20.00**

All Above, One-half Dozen in a Box.

EMPIRE POCKET KNIVES

Oval Senator, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Bolsters.

Per Dozen

No. 928-S—Stag Handle, 3¼ in. Long, Weight Per Dozen 1¼ Lbs. **$19.50**

Oval Senator, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Bolsters.

Per Dozen

No. 926-P—Pearl Handle, 3¼ in Long Weight Per Dozen 1¼ Lbs. **$36.00**

Senator, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 924-S—Stag Handle, 3 in. Long, Weight Per Dozen 1 Lb. **$22.00**

Senator, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 938-S—Stag Handle, 3½ in Long. **$27.00**

No. 938-P—Pearl Handle 3½ in. Long. **45.00**

Weight Per Dozen 1¼ Pounds

Sleeveboard, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Bolsters.

Per Dozen

No. 3273-S—Stag Handle, 2⅞ in Long. **$19.50**

No. 3273-PB—Pearl Handle with Ball 2⅞ in. Long **32 00**

Weight Per Dozen 1 Pound.

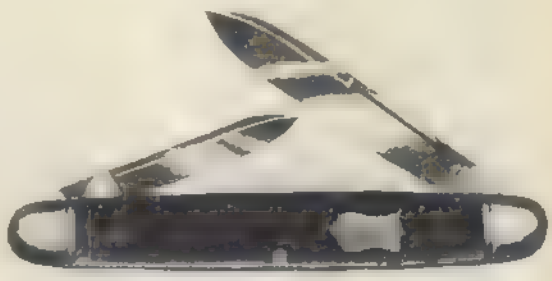
Oval Senator, Three Blades, Large Spear Polished One Side, Pen and Nail File, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 940-S—Stag Handle 3¼ in Long **$23.00**

No. 940½-S—Four Blades, Large Spear, Two Pens and Nail File Otherwise Same as No. 940 S . **27 00**

Weight Per Dozen 1¼ Pounds.



Senator, Two Blades, Large Spear Polished One Side, and Pen, Brass Lined, Nickel Bolsters.

Per Dozen

No. 919-E—Ebony Handle, 3½ in. Long, Weight Per Dozen 1⅛ Lbs. **$14.50**

Wharncliffe, Two Blades, Large Blade Polished One Side, and Pen, Brass Lined, Nickel Silver Bolsters

Per Dozen

No. 302-S—Stag Handle, 3½ in Long Weight Per Dozen 1 Lb. **$13 50**

All Above, One-half Dozen in a Box

EMPIRE POCKET KNIVES

Small Balloon, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 299-S—Stag Handle, 3 in. Long, Weight Per Dozen 1 Lb. $13.00

Sleeve board, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 2203-E—Ebony Handle 3⅜ in. Long . $13 50
No. 2203-S—Stag Handle 3⅜ in Long 13.50

Weight Per Dozen 1¼ Pounds.

Congress, Two Blades, Large Sheepfoot and Pen, Glazed Finish, Brass Lined, Steel Bolsters.

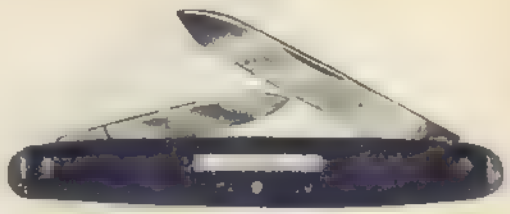
Per Dozen

No. 656-S—Stag Handle, 3½ in. Long, Weight Per Dozen 1 Lb. $13.50

Medium Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters

Per Dozen

No. 781-S—Stag Handle, 3 in Long, Weight Per Dozen 1 Lb. $13.00



Oval Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Silver Tips

Per Dozen

No. 940½-S—Stag Handle, 3¼ in Long, Weight Per Dozen 1 Lb $15.00

Oval Senator, Two Blades, Large Spear and Nail File, Spear Blade Polished One Side and Etched Stainless, Nickel Silver Lining and Bolsters.

Per Dozen

No. 9823SX—Stag Handle, Shielded, 3¼ in. Long. $20 50
No. 9823SX—Pearl Handle, No Shield. 30 00

Weight Per Dozen 1 Pound.

Sleeveboard, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters

Per Dozen

No. 2273-S—Stag Handle, 2⅞ in. Long. $13 50
No. 2273-P—Pearl Handle, 2⅞ in. Long. 22 50

Weight Per Dozen 1 Pound

Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 322-S—Stag Handle, 3 in Long, Weight Per Dozen ¾ Lb. $14 00

All Above, One-half Dozen in a Box.

EMPIRE POCKET KNIVES

Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Stainless Steel Blades, Spring and Handle.

	Per Dozen
No. 027-ASET—Engine Turned Handle, 3⅛ in. Long	$30 00
No. 090-ASET—3¼ in. Long, Same as Above	34.00

Weight Per Dozen 1 Pound.

Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side.

	Per Dozen
No. 027-N—Nickel Silver Handle, 3⅛ in. Long, Weight Per Dozen ¾ Lb	$14.00

Pumpkin Seed, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters.

	Per Dozen
No. 650-S—Stag Handle, 3 in Long	$12.50
No. 941-P—Pearl Handle, 3 in. Long	20.50

Weight Per Dozen ¾ Pound

Senator, Two Blades, Large Spear and Pen, Spear Blade Polished One Side, Brass Lined, Nickel Bolsters.

	Per Dozen
No. 376-P—Pearl Handle, 2⅝ in Long, Weight Per Dozen ¾ Lb	$22.50

Senator, Two Blades, Large Spear and Pen, Spear Blade Glazed, Steel Lined, Nickel Bolsters.

	Per Dozen
No. 773-P—Pearl Handle, 2⅝ in. Long, Weight Per Dozen ⅛ Lb	$17.50

Roly Poly, Two Blades, Large Spear and Pen, Large Blade Polished One Side, Brass Lined, Nickel Bolsters.

	Per Dozen
No. 966-P—Pearl Handle, 2⅞ in. Long, Weight Per Dozen ⅛ Lb	$20.00

Oval Lobster, Two Blades, Large Spear and Nail Pick, Blade Polished One Side, Nickel Silver Lined, with Shackle.

	Per Dozen
No. 2314-PB—Pearl Handle, 2¼ in. Long, Weight Per Dozen 1 Lb	$28.50

Sleeveboard, Three Blades, Large Spear, Pen and Nail Pick, Large Blade Polished One Side, Nickel Silver Lined, with Shackle.

	Per Dozen
No. 3330-PB—Pearl Handle, 2⅞ in Long	$34 50
No. 3339-NB—Nickel Silver Handle, 2⅞ in Long	18 50

Weight Per Dozen ¾ Pound.

Carbo Lobster, Three Blades, Large Spear, Pen and Nail Pick, Large Blade Polished One Side, Nickel Silver Lined, with Shackle.

	Per Dozen
No. 3340-PB—Pearl Handle, 2½ in. Long, Weight Per Dozen ¾ Lb	$38.50

All Above, One-half Dozen in a Box.

EMPIRE POCKET KNIVES

Lobster, Three Blades, Large Spear, Pen and Nail Pick. Large Blade Polished One Side, Nickel Silver Lined.

Per Dozen

No. 516-P —Pearl Handle, 3 in. Long.....$48.00
No. 516-PT—Same as Above with Nickel Silver Tips 48.00

Weight Per Dozen 1 Pound.

Senator, Three Blades, Large Spear, Flexible File and Scissors, Blade Polished One Side, Nickel Silver Lined, Nickel Silver Tips, Scale Milled

Per Dozen

No. 515-P —Pearl Handle, 3⅛ in. Long.....$56.00
No. 515-GS—Genuine Stag Handle, 3⅛ in. Long.. 46.00

Weight Per Dozen 1¼ Pounds.

Senator, Four Blades, Large Spear, Two Pens and Nail File, all full Crocus Polished, Nickel Silver Lined, Milled Scales, Nickel Silver Tips

Per Dozen

No. 334-P—Pearl Handle, 2⅞ in. Long, Weight Per Dozen ¾ Lb.....$46.00

Senator, Four Blades, Large Spear, Two Pens and Nail File, Large Blade Polished One Side, Brass Lined, Nickel Silver Tips.

Per Dozen

No. 326-S —Stag Handle, 3 in. Long.....$25.00
No. 327-P—Pearl Handle, 3 in. Long..... 39 00

Weight Per Dozen 1 Pound

Senator, Four Blades, Large Spear, Two Pens and Nail File, Large Blade Polished One Side, Brass Lined, Nickel Bolsters.

Per Dozen

No. 781¾-P—Pearl Handle, 3 in. Long.....$38.50
No. 781¾-S—Stag Handle, 3 in. Long..... 21.50

Weight Per Dozen 1 Pound.

Senator, Four Blades, Large Spear, Two Pens and Nail File, full Crocus Polished, Nickel Silver Lined, Nickel Silver Tips, Milled Scales.

Per Dozen

No. 890-P—Pearl Handle, 3¼ in. Long, Weight Per Dozen 1 Lb.....$50.00

Senator, Four Blades, Large Spear, Two Pens and Nail File, full Crocus Polished, Nickel Silver Lined, Nickel Silver Tips, Milled Scales.

Per Dozen

No. 754-GS—Genuine Stag Handle, 3½ in. Long, Weight Per Dozen 1¼ Lbs.....$44.00

Senator, Four Blades, Large Spear, Two Pens and Nail File, full Crocus Polished, Nickel Silver Lined, Nickel Silver Tips, Milled Scales.

Per Dozen

No. 893-P—Pearl Handle, 3⅛ in. Long, Weight Per Dozen 1¼ Lbs.....$54.00

All Above, One-half Dozen in a Box.

POCKET KNIVES

WOSTENHOLM I-XL

Two Blades Large Spear and Pen Glazed Finish, Brass Lined, German Silver Bolsters.

Per Dozen

No. 2019-A—Imitation Stag Handle, 3⅛ in. Long, Weight Per Dozen 1 Lb.....$30 00

Two Stainless Steel Blades, Large Spear and Pen, Glazed Finish, Brass Lined, German Silver Bolsters.

Per Dozen

No. B-41-D—Imitation Stag Handle, 3 in. Long, Weight Per Dozen 13 Oz.....$84 00

Three Blades, Large Spear and Two Pens, Glazed Finish, Brass Lined, German Silver Bolsters.

Per Dozen

No. B-155—Imitation Stag Handle, 3½ in. Long, Weight Per Dozen 2 Lbs.....$35.00

Three Blades, Large Spear, Pen and Nail File, Polished, Brass Lined, German Silver Tips.

Per Dozen

No. 2143—Imitation Stag Handle, 3 in. Long, Weight Per Dozen 12 Oz.....$54.00

No. 2144—Stag Handle, 3¼ in. Long, Weight Per Dozen 13 Oz..... 58 00

Four Blades Large Spear, Two Pens and Nail File, Polished, Brass Lined German Silver Tips

Per Dozen

No. 2146—Imitation Stag Handle, 3¼ in. Long.. $60.00

No. 2200—Pearl Handle, 3¼ in Long.. 96 00

Weight Per Dozen 1¼ Pounds.

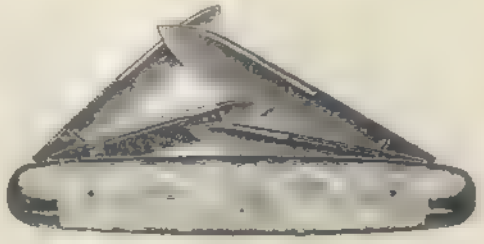
POCKET KNIVES

WOSTENHOLM I-XL

Congress. Four Blades, Large Sheepfoot, Two Pens and Nail File, Glazed Finish, Brass Lined, Iron Hollow Bolsters.

Per Dozen

No. 2160—Imitation Stag Handle, 3⅝ in. Long, Weight Per Dozen 1¼ Lbs.....$57.00



Four Blades, Large Spear, Two Pens and Nail File, Polished Blades, Brass Lined, German Silver Bolsters.

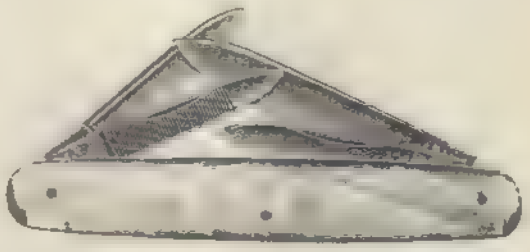
Per Dozen

No. 16373—Pearl Handle, 3⅝ in. Long, Weight Per Dozen 1½ Lbs.....$88.00

Four Blades, Large Spear, Two Pens and Nail File, Glazed Finish, Brass Lined, German Silver Bolsters.

Per Dozen

No. 17039—Imitation Stag Handle, 3⅝ in. Long, Weight Per Dozen 1½ Lbs.....$60.00



Four Blades, Large Spear, Two Pens and Nail Files, Polished Blades, Brass Lined, German Silver Tips.

Per Dozen

No. 2199—Pearl Handle, 3 in. Long, Weight Per Dozen 17 Oz.....$86.00

All Above, One-half Dozen in a Box.

PLANES

KEYSTONE

These planes were designed and intended for household and general use.

Strictly high grade quality. Blades are of polished steel; frames and caps cast iron, japanned, polished bottoms; japanned sides; hardwood varnished knobs and handles.

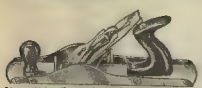
Smooth, Corrugated Bottom.

Screw and lever adjustments.

Each

No. 4KC—Length 9 ins; 2 in. cutter; wt each 3½ lbs.....$6 90

One in cardboard box.



Jack, Corrugated Bottom.

Screw and lever adjustments.

Each

No. 5KC—Length 14 ins; 2 in. cutter; wt each 4¾ lbs .. $7 95

One in cardboard box.

Iron Block.

Each

No. 110K—Length 7½ ins; 1⅝ in. cutter $2 37

One in cardboard box; wt each 1½ lbs.

Iron Block, Adjustable.

Each

No. 220K—Length 7½ ins; 1⅝ inch cutters.....$3 00

One in cardboard box; wt each 1½ lbs.

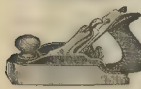
BAILEY, Wood Bottom Bench.

Varnished hardwood bottoms, knobs and handles; japanned cast iron frame and cap; tool steel cutter, tempered and polished; screw and lever adjustment.

Smooth.

Nos.	22	24
Length, ins	8	8
Width cut, ins	1¾	2
Wt each, lbs	2½	3
Each	$7 20	7 80

One in cardboard box.



Smooth, Handled.

Nos.	35	36
Length, ins	9	10
Width cut, ins	2	2⅜
Wt each, lbs	3½	4
Each	$9 00	10 20

One in cardboard box.

Jack, Fore and Jointer.

Nos.	Style	Length, ins	Width cut, ins	Wt each, lbs	Each
26	Jack	15	2	4	$ 7 95
28	Fore	18	2⅜	5½	10 20
31	Jointer	24	2⅜	6½	10 80

One in paper pkg.

Each

Extra Handles, For Nos., 26, 28, 31 and 35..... $0 60

Half doz in cardboard box; wt per doz 2 lbs.

PLANES

BAILEY, Iron Bottom Bench.

Japanned cast iron frame, polished bottoms, sides and caps; varnished rosewood knobs and handles. Tool steel cutters, tempered and polished; screw and lever adjustment.

Plain Bottom, Smooth.

Nos.	2	3	4	4½
Length, ins	7	8	9	10
Width cut, ins	1⅝	1⅝	2	2⅜
Wt each, lbs	2½	3½	2½	6
Each	$8 10	8 40	9 00	10 26

One in cardboard box.

Corrugated Bottom, Smooth.

Nos.	2C	3C	4C	4½C
Length, ins	7	8	9	10
Width cut, ins	1⅝	1⅝	2	2⅜
Wt each, lbs	2½	3	3½	4¾
Each	$8 25	9 00	9 75	10 80

One in cardboard box.

Each

Extra Handles for above planes, except No. 2..... $0 99

Half doz in cardboard box; wt per doz 2 lbs.

BAILEY, Iron Bottom Bench.

Japanned cast iron frame, polished bottoms, sides and caps; varnished rosewood knobs and handles. Tool steel cutters, tempered and polished; screw and lever adjustment.

Plain Bottom.

Nos.	5½	5	5½	6	7	8
Style	Jack	Jack	Jack	Fore	Jointer	
Length, ins	12	14	15	18	22	24
Width cut, ins	1⅝	2	2⅛	2⅜	2⅜	2⅜
Wt each, lbs	3¾	4¾	6	7	7½	9
Each	$9 60	10 65	12 00	13 65	15 60	18 30

One in cardboard box.

Corrugated Bottom.

Nos.	5C	5½C	6C	7C	8C
Style	Jack	Jack	Fore	Jointer	
Length, ins	14	15	18	22	24
Width cut, ins	2	2⅛	2⅜	2⅜	2⅜
Wt each, lbs	5	6	7	8	9
Each	$10 80	12 60	14 40	16 35	19 50

One in cardboard box.

Each

Extra Handles for above planes..... $0 99

Half doz in cardboard box; wt per doz 2 lbs.

STANLEY, Aluminum.

Aluminum bottom and frogs which provides an exceptionally light tool that will not rust; tool steel cutter, tempered and polished; screw and lever adjustment. Rosewood handles and knobs.

Smooth.

Length 9 inches; width cut 2 inches. Each

No. A4..... $12 00

One in cardboard box; wt each 2¼ lbs.

For Bailey PLANE IRONS, See Page 86.

PLANES

Aluminum bottom and frogs which provides an exceptionally light tool that will not rust; tool steel cutter, tempered and polished; screw and lever adjustment. Rosewood handles and knobs.

Jack.

Length 14 inches; width cut 2 inches. Each
No. A5 ..... $13 50

One in cardboard box; wt each 2½ lbs.

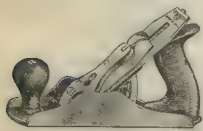
Fore.

Length 18 inches; width cut 2¾ inches. Each
No. A6 $18 75

One in cardboard box; wt each 3½ lbs.

STANLEY, STEEL

Steel bottom, cap and adjustable front, unbreakable tool steel cutter, tempered and polished; screw and lever adjustment. Rosewood handles and knobs.



Smooth.

Length 9 inches; width cut 2 inches. Each
No. S4 ..... $10 20

One in cardboard box; wt each 3¼ lbs.

Jack.

Length 14 inches, width cut 2 inches. Each
No. S5 ..... $11 40

One in cardboard box; wt each 4 lbs.

STANLEY, Iron Bottom Bench.

The cutter, frog and bottom are so designed that they are practically one solid piece of metal, thus preventing any chance of vibration. Frog may be adjusted either forward or backward without removing lever and cutter, while cutter is adjustable both end wise and side wise.

"Bed Rock", Plain Bottom, Smooth.

Nos.	602	603	604
Length, ins.	7	8	9
Size cutter, ins	1⅝	1¾	2
Wt each, lbs.	2½	3¼	3¾
Each	$9 00	9 30	10 20

"Bed Rock", Corrugated Bottom, Smooth.

Nos.	603C	604C
Length, ins	8	9
Size cutter, ins	1¾	2
Wt each, lbs	3¼	3¾
Each	$9 75	10 65

One in cardboard box.

PLANES

STANLEY, Iron Bottom Bench.

The cutter, frog and bottom are so designed that they are practically one solid piece of metal, thus preventing any chance of vibration. Frog may be adjusted either forward or backward without removing lever and cutter, while cutter is adjustable both end wise and side wise.

"Bed Rock," Plain Bottom.

Nos.	605	606	607
Kind	Jack	Fore	Jointer
Length, ins	14	18	22
Size cutter, ins	2	2⅜	2⅜
Wt each, lbs	5½	7¼	8½
Each	$11 70	15 00	17 25

One in cardboard box.

"Bed Rock," Corrugated Bottom.

Nos.	605C	606C	607C
Kind	Jack	Fore	Jointer
Length, ins	14	18	22
Size cutter, ins	2	2⅜	2⅜
Wt each, lbs	5½	7¼	8½
Each	$12 30	15 75	18 00

One in cardboard box.

STANLEY GAGE SELF SETTING

Japanned smooth iron castings, polished face and sides; varnished rosewood handle and knob; brass screw adjustment. The self setting feature lies in the fact that the plane iron if taken out to be sharpened goes back in exactly the same position as before removal. Likewise the plane cap when taken out to allow removal of cutter goes back in its same position.

The plane cap is so designed that by slight adjustment it connects the cutter to either single or double iron. The plane iron consists of three pieces; cutter, adjustment slide and binder plate, all being fastened by one screw. The adjustment slide is machined on its sides to accurately fit the groove machined in the frog and is permanently fixed both sideways and endwise.

Smooth, Corrugated Bottom.

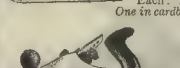
Nos.	63C	64C
Length, ins	8¾	9
Width cutter, ins	1⅝	2
Wt each, lbs	2¾	3
Each	$9 30	10 20

One in cardboard box.

Smooth, Plain Bottom.

Nos.	63	64
Length, ins	8¾	9
Width cutter, ins	1⅝	2
Wt each, lbs	2¾	3
Each	$9 00	9 75

One in cardboard box.



Jack, Corrugated Bottom.

Each
No. 65C—Length 14 ins; width cutter 2 ins; wt each 4¼ lbs $11 70

One in cardboard box.

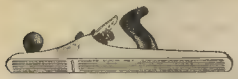
Jack, Plain Bottom.

Each
No. 65—Length 14 ins; width cutter 2 ins; wt each 4¼ lbs $10 80

One in cardboard box.

PLANES

STANLEY, GAGE SELF SETTING



Corrugated Bottom.

Fore and Jointer.

Nos.	Style	Length Ins	Width Cutter Ins	Wt Each Lbs	Each
G6C	Fore	18	2¼	5¾	$15 00
G7C	Jointer	22	2½	6¾	17 25

One in cardboard box.

Plain Bottom.

Fore and Jointer.

Nos.	Style	Length Ins	Width Cutter Ins	Wt Each Lbs	Each
G6	Fore	18	2¼	5¾	$14 25
G7	Jointer	22	2½	6¾	16 50

One in cardboard box.

BAILEY, Iron Block.

Cast iron frames, polished bottoms and sides, tool steel cutters, tempered and polished. True screw adjustment. Adjustable throat opening, lateral adjustment.

Adjustable, Without Handle. Japanned Trimmings.

Nos.	9½	15
Length, ins	6	7
Width cutter, ins	1⅝	1¾
Wt each, lbs	1½	1¾
Each	$4 80	5 10

One in cardboard box.

Per Doz

Extra Cutters, 1¾ in $10 80

Half doz in cardboard box; wt per doz 1¾ lbs.

With Removable Rosewood Handle. Japanned Trimmings.

No.	15½
Length, ins	7
Width cutter, ins	1¾
Each	$6 00

One in cardboard box; wt each ¾ lb.

Per Doz

Extra Cutters, 1¾ in $10 80

Half doz in cardboard box; wt per doz 1¾ lbs.

This plane has the cutter set at a very low angle, which is of great advantage when working across the grain. Length 5 ins; width cutter 1½ ins.

Each

No. 60—Nickeled trimmings $5 70

No. 60½—Japanned trimmings 5 10

One in cardboard box; wt each 1¼ lbs.

Knuckle Joint.

Fitted with a new and patented form of lever or cap. The knuckle joint permits of great leverage, consequently the lever can be placed in position or removed. When clamped in place, it will hold the cutter firmly to its seat. Length 7 ins.; width cutter 1⅝ ins.

Each

No. 65—Nickel plated trimmings $6 60

No. 65½—Japanned trimmings 5 40

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in $10 80

Half doz in cardboard box; wt per doz 1½ lbs.

PLANES

BAILEY, Iron Block.

Knuckle Joint.

Has a patented form of lever or cap, which, being made entirely of steel. A great improvement in this plane is the great leverage of the knuckle joint, which, when clamped in place will hold the cutter firmly to its seat. Nickel plated cap, lever and screws.

Each

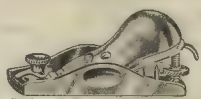
No. 18—Length 6 ins; 1⅝ in. cutter $6 30

One in cardboard box; wt each 1¾ lbs.

Per Doz

Extra Cutters, 1⅝ in $10 80

Half doz in cardboard box; wt per doz 1½ lbs.



STANLEY, Aluminum.

Knuckle Joint.

Aluminum body and frog; steel cap; tool steel cutter, tempered and polished. Knuckle joint when clamped in place affords great leverage and holds cutter firmly to its seat.

Each

No. A18—Length 6 ins; width cut 1⅝ ins $7 50

One in cardboard box; wt each ⅞ lb.

STANLEY, Steel Block.

Knuckle Joint.

Steel bottom, cap and adjustable front unbreakable tool steel cutter, tempered and polished. Knuckle joint when clamped in place affords great leverage and holds cutter firmly to its seat.

Each

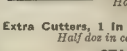
No. S18—Length 6 ins; width cut 1⅝ ins $7 50

One in cardboard box; wt each 1¾ lbs.

Japanned cast iron frames and caps; tool steel cutters, tempered and polished.

STANLEY, Iron Block.

Toy Size. Not Adjustable.



Each

No. 101—Length 3½ ins; 1 in. cutter $1 05

Half doz in cardboard box; wt each ¼ lbs.

Per Doz

Extra Cutters, 1 in $3 30

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Handled. Not Adjustable.

Each

No. 100—Length 3¼ ins; 1 in. cutter $1 20

Half doz in cardboard box; wt each 1 lb.

Per Doz

Extra Cutters, 1 in $3 30

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Not Adjustable.

Each

No. 102—Length 5½ ins; 1⅜ in. cutter $1 80

One in cardboard box; wt each 1 lb.

Per Doz

Extra Cutters, 1⅜ in $5 40

Half doz in cardboard box; wt per doz 1 lb.

PLANES

Japanned cast iron frame and caps, tool steel cutters, tempered and polished.

STANLEY, Iron Block.

Adjustable.

Each

No. 103—Length 5⅛ ins; 1⅝ in. cutter $2 55

One in cardboard box; wt each 1 lb.

Per Doz

Extra Cutters, 1⅝ in $5 40

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Hardwood Knob. Not Adjustable.

Each

No. 110—Length 7⅛ ins; 1⅝ in. cutter $2 55

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in $8 25

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Lever Adjustment.

Each

No. 120—Length 7 ins; 1⅝ in. cutter $3 45

One in cardboard box; wt each 1½ lbs.

STANLEY, Iron Block.
Rosewood Knob, Screw Adjustment.

Each

No. 220—Length 7 ins; 1⅝ in. cutter $3 60

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in $10 80

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Rosewood Knob, Screw Adjustment.

No. 203—Length 5½ ins; 1⅜ in. cutter ..... Each $3 15

One in cardboard box; wt each 1 lb.

Per Doz

Extra Cutters, 1⅜ in $10 80

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Adjustable.
Low Angle.

Hardwood handle and knob. Fitted with patent adjustable throat, which enables the user to work equally well on hard or soft wood. Each

No. 62—Length 14 ins; 2 in. cutter $12 00

One in cardboard box; wt each 4 lbs.

STANLEY, Iron Block.
Double End.

Easily used as a block plane or cutter; may be reversed for planing in close corners not easily reached with other planes.

Not Adjustable, Hardwood Knob.

Each

No. 130—Length 8 ins; 1⅝ in. cutter $3 60

One in cardboard box; wt each 1¾ lbs.

Per Doz

Extra Cutters—1⅝ in $8 25

Half doz in cardboard box; wt per doz 1½ lbs.

PLANES

Japanned cast iron frame and caps, tool steel cutters, tempered and polished.

STANLEY, Iron Block.

Adjustable Double End.

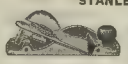
Hardwood knob; has two slots and movable cutter seat. When it is desired to use it as a bull nose plane the cap and cutter can be removed and the adjustable cutter seat reversed.

Each

No. 131—Length 8 ins; 1⅝ in. cutter $5 85

One in cardboard box; wt each 1¾ lbs.

STANLEY, Rabbet and Block.



A detachable side will easily change this tool from a block plane to a rabbet plane or vice versa; the cutter is set on a skew.

Each

No. 140—Length 7 ins; 1¾ in. cutter $6 30

One in cardboard box; wt each 2 lbs.

STANLEY, Side Rabbet.

For side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give the tool a form by which it will work close up into corners when required. Each

No. 98—Length 4 ins; ½ in. cutter $4 65

One in cardboard box; wt each about ½ lbs.

STANLEY, Bull-nose Rabbet.

Non-adjustable, polished bottom, for general rabbeting and working into close corners.

Each

No. 75—Length 4 ins; 1 in. cutter $1 65

One in cardboard box; wt about ¾ lb.

STANLEY, Carriage Makers' Rabbet.

Varnished rosewood handle and knob; with screw and lever adjustments; adjustable throat.

Each

No. 10½—Length 9 ins; 2⅜ in. cutter $11 40

One in cardboard box; wt each about 9 lbs.

Each

Extra Cutters, 2⅜ ins $1 50

Half doz in cardboard box; wt per doz 5 lbs.

STANLEY, Scrub.

Japanned, cast iron frame; beech handle and knob. Designed for planing down to rough dimensions any board too wide to rip with saw. This is made possible by extra heavy cutter with rounded cutting edge. Each

No. 40—Length 9½ ins; 1⅜ in cutter $5 10

One in cardboard box; wt each 2½ lbs.

PLANES

Cast iron frame, tool steel cutters, tempered and polished.

STANLEY, Improved Rabbet.

Japanned cast iron frame and handle. All fitted with detachable depth gauge. No. 190 with spur for working across grain. Length over all 8 inches.

	Each
No. 192—1 inch cutter; wt each 2 lbs	$5 55
No. 191—1¼ in. cutter; wt each 2¼ lbs	5 85
No. 190—1½ in. cutter; wt each 2½ lbs	6 21

One in cardboard box.

STANLEY, Duplex Rabbet and Filletster.

Japanned cast iron frame and handle. Can be used as a buil nose rabbet. The arm to which the fence is secured can be screwed into either side of the stock, making a superior right or left hand filletster, with adjustable spur and depth gauge.

	Each
No. 78—Length 8½ ins; 1½ in. cutter	$6 90

One in cardboard box; wt each about 3 lbs.

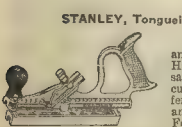
STANLEY, Rabbet and Filletster.

Japanned cast iron frame, fence and handle. The arm to which the fence is secured can be screwed into either side of the stock, making a superior right or left hand filletster, with adjustable spur and depth gauge, allowing a groove to be cut any desired depth up to ½ inch. The screw at top of frame can be removed allowing the plane to be used as a bull nose rabbet. Plane is also equipped with spur for use in working across the grain.

	Each
No. 278—Length 6¾ ins; 1 in. cutter	$6 75

One in cardboard box; wt each 2 lbs.

STANLEY, Tongueing and Grooving.



Nickel plated cast iron frame and handle; rosewood knob. Has two plow cutters of the same width, and one extra wide cutter. When the guide or fence is set both cutters work and a tongue can be made. Fence hung on a pivot, can be swung around end for end. This movement covers one of the cutters.

	Each
No. 48—Length 10½ ins; cuts 5/16 in. groove on boards ¾ to 1¼ ins; centers on ⅝ in.	$10 95

One in cardboard box; wt each 3¾ lbs.

PLANES

STANLEY, Double End Match.

Nickel plated cast iron frame, handle and cap. Provided with both tongue and groove irons, both governed by one permanent fence. With one side a tongue can be cut and by reversing ends the plane will cut a groove on one side for use on thicker stuff than plane will tongue and groove in the center.

Nos.	147	148
Length, ins	9	9
Size of cutter, ins	1/16	¾
For boards, ins	1/16 to ¾	¾ to 1
Centers on, ins	⅝	¾
Wt each, lbs	2¼	2¼
Each	$9 00	9 60

One in cardboard box.

STANLEY, Adjustable Circular.

Japanned cast iron frames, caps and handles; polished bottom. Can be adjusted to work on concave or convex surfaces; graduated scale on the gears, face can be set to work an arc of the same circle, both concave and convex.

	Each
No. 113—Length 10 ins; 1¾ in. cutter	$15 75

One in cardboard box; wt each about 4 lbs.

STANLEY, Plow, Dado, Filletster and Matching.

Nickel plated cast iron; rosewood handle and knob.

Has 8 plow and dado bits, 1/16 to 1¼ inch, one 1½ inch filletster cutter, 1 slitting blade, one ¼ inch tongueing tool. Is readily converted into a filletster, plow or matching plane. All the tools except the slitting blade are secured on the main stock askew.

	Each
No. 46—With 11 cutters; length 10½ ins	$23 25

One in cardboard box; wt each 6 lbs.

STANLEY, Adjustable Beading, Rabbet and Matching.

Nickel plated cast iron; rosewood handle, knob and fence.

Fitted with an adjustable fence or guide and a depth gauge also with spurs for use when working across the grain.

Has one 1½ inch sash tool, one ¼ inch match tool, one slitting tool, one 1¾ inch filletster, eleven plow and dado tools, 3/16 to ⅝ inch, seven beading tools, 1/16 to 1/16 inch.

	Each
No. 45—With 22 cutters; length 11 ins	$33 00

One in cardboard box; wt each 9½ lbs.

PLANES

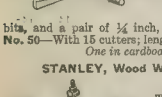
STANLEY, Adjustable. Beading and Matching.

Nickel plated cast iron stock and frame. For ordinary center beading. By adjusting fence, center beading can be done up to 6 inches from the edge of a board. Exept for working across the grain, the spurs need not be used. Each plane furnished with 1/4, 5/16, 3/8, 7/16, 1/2 and 5/8 inch beading tools, 3/8, 7/16, 1/2, 5/8, and 3/4 inch plow and dado bits, and a pair of 1/4 inch, tongueing tools. Each

No. 50—With 15 cutters; length 9 1/4 ins $18 00

One in cardboard box; wt 3 1/2 lbs

STANLEY, Wood Workers' Handy Router.

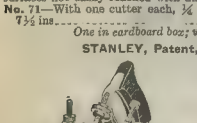


Nickel plated, cast iron; beech-wood knobs; open throat. Furnished with patented pointed cutters. Perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any wood work. Bits can also be clamped to back side of upright post, and outside of stock. In this position will plane into corners, will router out mortises for sash frame pulleys, or will smooth surfaces not easily reached with any other tool. Each

No. 71—With one cutter each, 1/4 and 1/2 in; length 7 1/2 ins $8 55

One in cardboard box; wt each 2 5/8 lbs.

STANLEY, Patent, Universal.



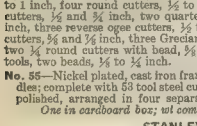
Consists of a main stock with two sets of transverse sliding arms, a depth gauge adjusted by a screw and a sliding arm, and a sliding cutter with stop. The bottom is adjustable both vertically and laterally.

Has one 1 1/2 inch sash tool, one 1 1/4 inch match tool, one slitting tool, one fillester, eleven plow and dado tools, 1/8 to 3/4 inch, nine beading tools, 1/4 to 3/4 inch, foul fluting tools, 1/4 to 3/4 inch, four hollow cutters, 1/2 to 1 inch, four round cutters, 1/2 to 1 inch, two quarter hollow cutters, 1/2 and 3/4 inch, two quarter round cutters, 5/8 and 7/8 inch, three reverse ogee cutters, 1/2 to 1 inch, two Roman ogee cutters, 5/8 and 7/8 inch, three Grecian ogee cutters, 1/2 to 1 inch, two 1/4 round cutters with bead, 5/8 and 7/8 inch, three reeding tools, two beads, 1/8 to 1/4 inch. Each

No. 55—Nickel plated, cast iron frame; rosewood handles; complete with 53 tool steel cutters; tempered and polished, arranged in four separate cases $64 50

One in cardboard box; wt complete about 15 1/4 lbs.

STANLEY



Adjustable Scraper.

Japanned cast iron frame; rosewood handle and knob. The blade is adjustable endwise and for angle and can be firmly locked in any position desired.

This tool is used for scraping and finishing veneers, cabinet work or hard wood in any form. Can be used equally well as a tooth plane and scraping off old paint and glue. Each

No. 112—Length 9 ins; 3 in. cutter $9 00

One in cardboard box; wt each 1 lbs.

WOOD BENCH PLANES

Selected seasoned beechwood, plain finish; extra quality cast steel cutters, tempered; polished starts.

Smooth.

Length 8 inches; width of cut 1 1/4 to 2 inches. Each

No. 03—Double Iron $3 75

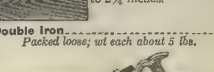
Packed loose; wt each about 2 lbs.

Jack.

Length 16 ins; width of cut 2 1/4 to 2 1/4 inches. Each

No. 015—Double Iron $4 50

Packed loose; wt each about 5 lbs.



Fore. Each

No. 021—Double Iron; length 22 ins; width of cut 2 3/4 to 2 1/2 ins $7 50

Packed loose; wt each about 6 lbs.

PLANE IRONS

All orders for Plane Irons should specify the number of plane for which they are intended.

Special steel bit, tempered and sharpened.

COMMON, Single.

For common wood bench planes.

Nos.	200-2	200-2 1/2	200-2 1/4	200-2 3/8	200-2 1/16
Width cut, ins	2	2 1/2	2 1/2	2 3/8	2 1/2
Wt per doz, lbs	6	6 1/2	7 1/2	7 3/4	9
Per Doz	$18 00	18 75	19 50	21 00	22 50

Half doz in cardboard box.

COMMON, Double.

For common wood bench planes.

Nos.	201-2	201-2 1/2	201-2 1/4
Width cut, ins	2	2 1/2	2 1/4
Wt per doz, lbs	9 1/2	10 1/2	11
Per Doz	$23 25	24 00	25 50

Half doz in cardboard box.

BAILEY

Tool steel, tempered and polished, sharpened ready for use.

BAILEY, Single.

For iron and wood bottom bench planes.

Nos.	206-1 5/8	206-1 3/4	206-2
Width cut, ins	1 5/8	1 3/4	2
Wt per doz, lbs	2	2 1/2	3
Each	$1 20	1 35	1 35
Nos.	206-2 1/4	206-2 3/8	206-2 5/8
Width cut, ins	2 1/4	2 3/8	2 5/8
Wt per doz, lbs	3 3/4	4	5
Each	$1 65	1 65	1 68

Half doz in cardboard box.

BAILEY, Double.

For iron and wood bottom bench planes.

Nos.	207-1 3/4	207-2	207-2 1/4	207-2 3/8
Width cut, ins	1 3/4	2	2 1/4	2 3/8
Wt per doz, lbs	4 3/4	5 1/2	7	7 1/2
Each	$2 10	2 40	2 55	2 70

Half doz in cardboard box.

PLANE GAUGES

Cast iron, black japanned top frame; nickel plated fence connecting rod, thumb screw and nuts. For planing bevels of any required angle, or planing square joint without the use of a try square or bevel.

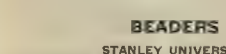
Per Doz

No. 6—Wt per doz 18 lbs $43 50

One in cardboard box.

BEADERS

STANLEY UNIVERSAL



Nickel plated cast iron. For beading, reeding or fluting straight or irregular surfaces and light routering. Furnished with square gauge for straight work; oval gauge for curved work, eight superior cutters, embracing 6 ordinary sizes of beads 1/8 to 1/2 inch; 4 sets of reeds, 2 fluters, 1/16 and 1/4 inch and double router iron, 1/8 and 1/4 inch and a 1/8 inch blank.

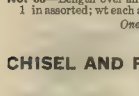
Each

No. 66—Length over all 10 inches; width of cutters 1/4 to 1 in assorted; wt each about 1 1/4 lb $3 45

One in cardboard box.

CHISEL AND PLANE BIT GRINDERS

STANLEY



Metal, nickel plated. For holding plane irons, chisels and other similar cutting tools while being ground or honed.

Will take any size bit up to 2 5/8 inches wide.

Each

No. 200—Lgth over all 8 1/4 ins..$3 15

One in cardboard box; wt each about 1 1/4 lbs.

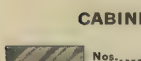
CABINET SCRAPERS

Warranted best cast steel.

Nos.	3-2	3-2 1/2	3-3	3-4
Size, ins	2x4	2 1/2x5	3x6	4x6
Wt per doz, lbs	1	2	3	4
Per Doz	$1 95	3 00	3 30	4 50

One doz in pkg.

STANLEY, Wood Face.



Metal, nickel plated; English steel cutter; rosewood face, reduces friction and prevents marring of surface. Detachable face can be removed and convex or irregular shaped blocks attached.

Per Doz

No. 81—Width cutter, 2 1/2 ins; length over all 10 ins..... $56 25

One in cardboard box; wt per doz 30 lbs.

No. 81B—Extra irons for No. 81 planes; 2 1/2 in. blade. 7 65

Half doz in box; wt per doz 1 lb.

CABINET SCRAPERS

STANLEY, Iron Face.

Per Doz

No. 80—Cast iron japanned, raised handles, tempered tool steel blade 2 3/4 inches; may be sprung to a slight curve by means of thumb screw in center of frame; length over all 11 ins..... $36 75

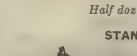
One in cardboard box; wt per doz 20 lbs.

Per Doz

No. 80B—Extra irons for No. 80 scrapers..... $7 65

Half doz in box; wt per doz 1 lb.

STANLEY, Adjustable.



Cast iron, japanned 3 3/4 in. tempered tool steel blade; polished maplewood detachable handle, adjustable to any desired pitch. Roller acts as a support to relieve strain on wrist.

Per Doz

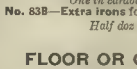
No. 83—Length over all 9 1/2 ins..... $42 75

One in cardboard box; wt per doz 18 lbs.

No. 83B—Extra irons for No. 83 scraper..... 7 65

Half doz in box; wt per doz 1 lb.

FLOOR OR CABINET SCRAPERS



—BLUE GRASS—

Crucible steel blade, honed and burnished. Front cap heavily nickel plated and polished, under cap blue enameled finish; birch handle, mahogany finish.

Ball and socket, adjustable handle.

Per Doz

No. 472—Length over all 9 1/2 in; width blade 3 ins; height of head 3 1/4 ins..... $46 50

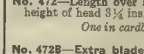
One in cardboard box; wt per doz 20 lbs.

Per Doz

No. 472B—Extra blades for No. 472 plane; width 3 ins..... $15 00

One doz in cardboard box; wt per doz about 1 lb.

STANLEY



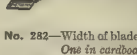
Cast iron frame and handle shank, japanned; tool steel blade sharpened at both ends, tempered and polished; hardwood handle. Especially recommended for scraping floors.

Each

No. 282—Width of blade 3 ins; length over all 13 ins..... $3 30

One in cardboard box; wt per doz 19 1/2 lbs.

STANLEY



Cast iron frame, japanned; polished handle shank; maplewood handle and knob; 3 inch tool cutter adjustable to any angle.

Per Doz

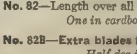
No. 82—Length over all 14 1/2 ins, 3 in. tool steel cutter. $50 25

One in cardboard box; wt per doz 20 lbs.

No. 82B—Extra blades for No. 82 scraper 7 65

Half doz in box; wt per doz 1 lb.

BISHOP



Malleable iron clamp and screw; beechwood handle; tool steel blade 3x3 inches.

Per Doz

No. 2—Length over all 12 ins.. $20 25

Half doz in cardboard box; wt per doz 9 lbs.

FLOOR OR CABINET SCRAPERS

ATKINS, PREFECTION

Malleable iron frame polished nickel plated cross-bar. 3 inch silver steel blade.

Per Doz

No. 86—Length over all 11¼ ins..... $26 25

Half doz in cardboard box; wt per doz 11¼ lbs.

Per Doz

No. 86B—Extra blades for No. 86 scraper..... $9 75

Half doz in box; wt per doz 1 lb.

STANLEY, Adjustable Veneer.

Japanned cast iron frame, face and clamp, steel adjusting screws, polished rosewood handles, tempered and polished tool steel cutter, adjustable to any angle, length 6¼ inches.

Iron Bottom.

Each

No. 12—3 in. steel cutter..... $10 50

One in cardboard box; wt each 3¾ lbs.

Rosewood Bottom.

Each

No. 12½—3 inch cutter suitable for fine work..... $14 25

One in cardboard box; wt each 4 lbs.

Per Doz

No. 12B—Extra blades, for Nos. 12 and 12½ scraper; wt per doz 2 lbs..... $12 60

STEARNS Lawn Mower Pattern.

Cast iron frame, aluminum finish; polished tool steel 6 inch blade; adjustable cross handle. 5 inch rubber tired wheels.

Each

No. 10—Length of handle and braces 38½ ins..... $36 00

One in crate, handle wrapped; wt each 155 lbs.

Per Doz

No. 10B—Extra blades, For No. 10 floor scraper..... $28 50

Packed loose; wt per doz about 2¼ lbs.

BURNISHERS

DISSTON

For Cabinet and Floor Scrapers.

Oval, polished steel blade, varnished hardwood handle.

Per Doz

No. 1—Length blade 4½ ins; length over all 9 ins..... $12 75

Half doz in cardboard box; wt per doz 2 lbs.

CHISELS

—BLUE GRASS—

Refined Swedish steel blades; hand tempered, honed and sharpened; every Blue Grass Chisel is fitted with mahoganized handles, rich red finish.

Socket Firmer, Plain Edge, Leather Capped Handles.

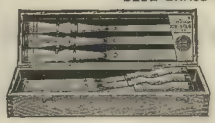
Length of blade from shoulder to cutting edge 6 inches.

Nos.	747-2	747-3	747-4	747-5	747-6
Size, ins	¼	⅜	½	⅝	¾
Lgth over all, ins	12¼	12¼	12¾	13¼	13¼
Lbs per doz	3½	4	4½	5	6¼
Per Doz	$21 00			23 25	24 00

Nos.	747-7	747-8	747-10	747-12	747-14	747-16
Size, ins	⅞	1	1¼	1½	1¾	2
Lgth. over all, ins	13¼	14	14	14	14½	14¾
Lbs per doz	6	6½	7¾	8½	10	10½
Per Doz	$26 25	27 00	30 00	31 50	34 50	36 00

Half doz in wood box.

—BLUE GRASS—



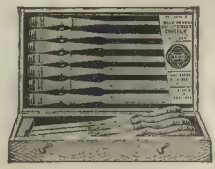
Socket Firmer, Plain Edge, Leather Capped Handles. In Sets.

One set in varnished hardwood box. Chisels held in place by clasps. Length of blade from shoulder to cutting edge 6 ins.

Per Set

No. 7647—Set of 6 chisels, one each ¼, ⅜, ¾, 1, 1½, and 2 in; wt per set about 4 lbs..... $18 75

—BLUE GRASS—

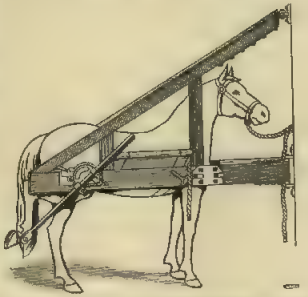


Socket Firmer, Plain Edge, Leather Capped Handles. In Sets.

One set in varnished hardwood box. Chisels held in place by clasps. Length of blade from shoulder to cutting edge 6 ins.

Per Set

No. 71247—Set of 12 chisels, one each ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, and 2 inch, wt per set about 8 lbs..... $33 75



BARCUS HORSE STOCKS

Being hinged to wall, it is completely out of the way when not in use. Has no ropes, straps or block and tackle. The automatic foot clamp lifts the foot straight up as a shoer would do by hand. Weight 450 lbs.

	List
With one leg arm	$125.00
With two leg arms	150.00
Extra leg arm attachments	40.00

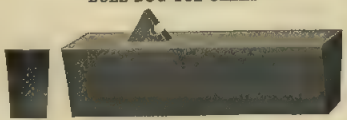
In ordering, give height of shop from floor to ceiling.

Shipped from factory.

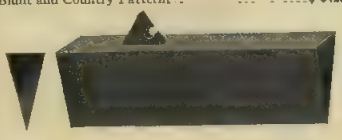
BLACKSMITHS' APRONS

28"x36"—Riveted Muleskin, Each ..... $ 4.50

BULL DOG TOE CALKS



	List Price per Lb.
Blunt and Country Pattern	$ 0.15



	List Price per Lb.
Sharp	$ 0.16

HORSE RASPS
Stokes Bros. or Heller Bros.

	List Price per Doz
12"—Plain	$12.80
14" Plain	17.80
16"—Plain	24.40
18" –Slim	25.90
20" Slim	32.90

12"—Tang	16.80
14"—Tang	23.10
16" Tang	32.20

CHANNEL TIRE SWAGES

Top or Bottom

	Each
¾", ⅞" and 1"	$ 3.20
1⅛" and 1¼"	3.50
1⅜" and 1½"	3.90
1⅝" and 1¾"	4.25

ANVIL AND BLACKSMITHS' ANVIL TOOLS

BLACKSMITH ANVILS

	Per Lb.
90 lb. to 250 lb.	$ 0.25

SOLID STEEL CLIP HORN ANVILS

	Per Lb.
90 lb. to 250 lb.	$ 0.26

FULLERS

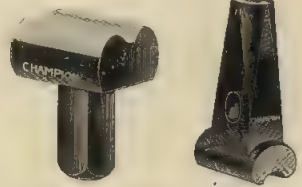
Top or Bottom

	Each
¼" and ⅝"	$ 0.90
⅜", ⅞" and ½"	.90
⅝", ¾" and ¾"	.95
⅞" and 1"	1.20

HANDLE PUNCHES ROUND OR SQUARE

	Each
¼", ⅜", ⅜", ½" and ½"	$ 0.75
⅝"	.85
¾"	.90
⅞"	1.00
1"	1.15

SWAGES FOR ROUND IRON



Bottom Swages ⅞" or 1" Shank

	Price Each Top or Bottom
¼", ⅜", ½", ⅝" and ½"	$ .90
⅝", ¾" and ¾"	.95
⅞" and 1"	1.00
1⅛" and 1¼"	1.20
1⅜", 1½ and 1⅝"	1.35
1⅞" and 1⅞"	1.45
2"	1.55
2¼" and 2½"	2.00
2¾" and 3"	2.25
3½" and 3¾"	2.70
4"	3.00

STRAIGHT HARDIES

	Each
¾"	$ 0.55
⅞"	.65
1"	.70
1⅛"	.85

ROUND HEADING TOOLS

	Each
¼", ⅜", ⅜", ½" and ½"	$ 1.05
⅝", ⅝" and ¾"	1.35
⅞" and 1"	1.65

CHISELS—HOT OR COLD

	Each
1¼"	$ 0.75
1⅜"	.85
1½"	1.00
1¾"	1.60

SET HAMMERS SQUARE

	Each
1" and 1⅛"	$ 0.75
1¼" and 1⅜"	.90
1½" and 1⅝"	1.10
1¾" and 1⅞"	1.35
2"	1.75

FLATTERS—SQUARE

	Each
2"	$1.00
2¼"	1.15
2½"	1.35
2¾"	1.50
3"	1.65
3½"	2.25
3¾"	2.75
4"	3.35

HAND CHISELS

No 38 cold chisels Hammer forged from Octagon Refined tool steel polished blade and head—Natural Body—Sold by size of steel.

Size of Steel	Blade	Length	List Dozen
¼	¼	5	$3.00
⅜	⅜	5¼	3.00
⅜	⅜	5½	3.00
½	½	6	3.60
½	½	6	3.60
⅝	⅝	7	4.80
⅝	¾	8	5.00
⅝	⅞	8½	5.40
⅝	1	8½	9.60
1	1⅛	8½	

Packed ½ dozen in carton.

BLACKSMITH COAL

Low in sulphur and especially adapted for Blacksmiths, Horse Shoers, Machine and Forging Shops

Per Sack

In 200-lb. Sacks.....$ 2.50

PRITCHELLS

Per Dozen.... .. $ 3.50

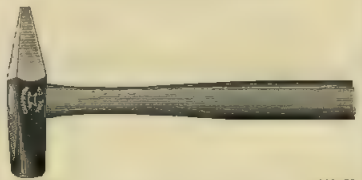
COLD SHUTS

No.	For Chain	Per 100
93	⅛"	$ 4.25
94	¼"	4.50
95	⅜"	5.00
96	½"	5.50
97	⅝"	7.25

SLIP AND GRAB HOOKS

No.	Size Eye	Size Chain	List per 100	Weight per 100 Hooks
2870	⅛	¼	$ 9.70	41 Lbs.
2871	⅛	⅜	12.50	60 "
2872	⅛	⅜	17.60	75 "
2873	⅛	½	23.00	113 "
2874	⅛	½	31.30	165 "
2875	⅛	⅝	59.00	247 "
2876	⅛	¾	90.00	363 "

FORE PUNCH, NOT HANDLED



Per Dozen $10.80

CREASERS—Not Handled

Per Dozen ....$ 10.80

HALF ROUND HARDIES

Per Dozen.... ..$ 9.60

KNIFE STONES

Per Dozen..... $ 2.50
Discount.....

HOOF KNIVES

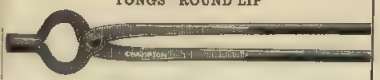
	Per Doz
Wood, Handle	$ 7.50
Bone	8.50

	Per Doz
Iron, Handle with one Blade	$ 7.50
Extra Blades	6.00

SOLE KNIVES

Per Dozen..... $ 6.00

TONGS ROUND LIP



Per Pair		Per Pair
½" $ 1 00	⅝"	$ 1.10
½" 1 05	¾"	1.15

TONGS PICK UP

Per Pair..... $ 1.25

TONGS—FLAT LIP

Per Pair		Per Pair
18" $ .80	24"	$ 1.00
20" .85	28"	1.15
22" .90		

BUFFERS

Per Dozen..... $ 6 00

TOE CALK SWAGES

Each..... $ 6.40

CUTTING PINCERS No. 23.

List Price Per Doz. Pr.		List Price Per Doz Pr
12"	$ 22.00	16" $ 30.00
14"	24.00	

FARRIER NIPPERS No. 25

List Price Per Doz. Pr.		List Price Per Doz. Pr.
8"	$ 14.40	12" $ 24.00
10	19.20	14" 28.80

HOOF PARERS No. 26

List Price Per Doz Pr.		List Price Per Doz Pr.
12"	$ 24.00	14" $ 28.80

"OUR PRIDE" HOOF PARERS No. 81

	List Price Per Doz. Pr
14" Champion	$ 56.00
Extra Jaws	$ 13.00

CLINCH TONGS No. 29

Doz. Pr.
14" ... $ 26.40

LIGHT CUTTING NIPPERS

Doz. Pr. Doz. Pr.
13" No. 26... $ 24.00 15" No. 25... $ 28.80

HOOF TESTERS

Doz. Pr
15" No. 27... $ 28.80

HORSE NAIL PULLERS

Doz. Pr
10" No. 29... $ 10.20

"UNIVERSAL" SHOERS' TONGS

Doz. Pr
No. 8—16"... $12.80

Automatically adjusts itself to hold securely any size of shoe. One pair takes the place of the usual assortment.

FARRIERS' STEEL FORGING TONGS

Doz. Pr. Doz. Pr.
12" ... $ 5.50 16"... $ 6.30
14" ... 6.00 18" ... 6.60

CLEAN CLAW DRIVING HAMMERS No. 87

Doz.
12 to 20 oz with Handles ... $22.50

Claw is always clean. The Spring makes that possible

DRIVING HAMMERS SCOTCH PATTERN No. 13

Doz
12 to 20 oz, with Handles... $16.00

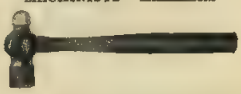
DRIVING HAMMERS—BOSTON PATTERN No. 51

Doz
11 to 20 oz., with Handles ... $15.00

DRIVING HAMMERS—HELLER'S PATTERN No. 60

Doz
13 to 20 oz, with Handles ... $15.00

MACHINISTS' HAMMERS



Ball Pein, Oil Finished, Rbonized Octagon Handle

Hammer No	Size	Weight (Without Handle)	Price (Per Doz)
390	8	3 lb.	$ 24.00
390½	6	2 lb, 8 oz	21.60
391	5	2 lb., 4 oz.	20.40
392	4	2 lb.	18.60
392½	3	1 lb., 12 oz.	17.40
393	2	1 lb., 8 oz.	16.20
394	1	1 lb., 4 oz.	15.00
395	0	1 lb.	13.80
396	2–0	12 oz.	13.20
397	3–0	8 oz	13.20
398	4 0	6 oz	13.20
399	5–0	4 oz.	13.20

Straight Pein
Cross Pein

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
134	4	2 lb.	$ 21.60
135	3	1 lb., 12 oz.	20.40
136	2	1 lb., 8 oz.	18.60
137	1	1 lb., 4 oz.	17.40
138	0	1 lb	16.80

FITTING HAMMERS
No. 5

	Doz
1¾ to 2½ lb., with Handles	$24 00

ROUNDING HAMMERS
No. 4.

	Doz
1¾ to 3 lbs., with Handles	$28 80

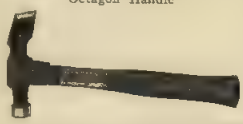
BLACKSMITH HAND HAMMERS

Oil Finished Handle

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
398	5	4 lb.	$ 25.00
399	4	3½ lb.	23.40
400	3	3 lb.	21.00
401	2	2 lb., 10 oz.	19.80
402	1	2 lb.	18.60
403	0	1 lb., 10 oz.	17.40

CHENEY 3 IN 1 HAMMER

Hammer, Adze, Hatchet, Oil Finished, Ebonized Octagon Handle



Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
777	1	1 lb., 4 oz.	$ 19.20

BENT TRIMMER'S SHEARS

No. 164

Black japanned handles, polished blades.

Length 10 inches, per pair....	$ 3.60
Length 12 inches, per pair	4.30

CHENEY SPECIAL ADZE EYE CARPENTERS' HAMMERS

Full Polished, Octagon Poll, Octagon Neck, Octagon Waxed Handle.

Nail Hammers

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
780	1	1 lb., 4 oz	$ 23.00
781	1½	1 lb.	21.00
782	2	13 oz	20.00

Plain Face, Full Polished, Oval Waxed Never-Slip Handle

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
2	000	2 lb	$ 27 00
3	00	1 lb., 12 oz	25.80
4	0	1 lb., 8 oz.	22.20
5	1	1 lb., 4 oz.	19.20
7	1½	1 lb.	18.00
7½	2	13 oz.	16.80
8	3	7 oz	15.60
9	4	4 oz.	15.00

Bell Face, Oil Finish, Octagon Ebonized Handle

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
37–0	0	1 lb., 8 oz.	$ 22.20
37	1	1 lb., 4 oz.	19.20
38	1½	1 lb	18.00
38½	2	13 oz	16.80
39½	3	7 oz.	15.60
40	4	4 oz.	15.00

RIVETING HAMMERS

Plain Eye, Full Finished, Oval Waxed Handle

Hammer No.	Size	Weight (Without Handle)	Price (Per Doz.)
75	1	7 oz	$ 13.20
74	2	9 oz	13.80
73	3	12 oz	14.40
72	4	15 oz	15.00
71	5	18 oz	16.20

TRIMMERS HAMMERS

No. 67

Steel Forged, White Hickory Handles

No. 1 Size, weight 6 oz., each	$ 1 35
No. 2 Size, weight 8 oz , each	1.60
No 3 Size, weight 11 oz , each	1.70

No. 57½
With Claw

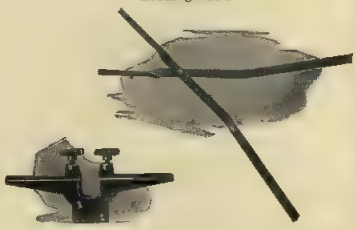
No. 2 Size, weight 8 oz., each	$ 2.45
No. 3 Size, weight 11 oz , each	2.55

GRINDSTONE FIXTURES

Double Roller Bearings, Covered. Japan Finish.

Length in Inches.	Weight Per Doz.	Price Per Doz.
15	60 lb.	$12.00
17	65 "	12.75

Brazing Tools



	Price Each
Brazing clamp	$ 1 25
Brazing tongs	.75

Circular Saws

Tooth is shaped to cut fast and easy. Every saw is filed and set ready for use.

Diameter	Gauge	Hole in Saw	Crosscut Saw	Rip Saw
6	18	⅞ or 1"	$2.00	$2.00
8	18	⅞ or 1"	2.50	2.50
10	16	⅞ or 1"	3.25	3.25
12	15	1"	4.25	4.25
14"	15	1"	5.25	5.25
16"	14	1"	6.25	6.25

BAND SAW BLADES

Width of Saw	Price per Foot	38-in. Mach 20'4"	36-in. Mach 18'6"	32-in Mach 16'4"	Width of Saw	Price per Foot	26-in. Mach 13'0"	20-in Mach 10'1"	36-in. Angle 19'0"	40-in Angle 21'2"
⅛	$0.11	$2.70	$2.55	$2.30	⅛	$ 0.11	$ 2.00	$ 1 60	$ 2 60	$2 80
¼	.11	2.70	2.55	2.30	¼	.11	2.00	1.60	2 60	2.80
⅜	.11	2.70	2.55	2.30	⅜	.11	2.00	1.60	2 60	2 80
½	.12	2.90	2 70	2.45	½	.12	2 15	1 70	2 80	3 05
⅝	.14	3.30	3.10	2.80	⅝	.14	2.40	1.90	3 15	3 45
¾	.15	3 55	3 25	2.95	¾	.15	2.55	2.00	3 35	3 65
⅞	.16	3.75	3 45	3.10	⅞	.16	2.70	2.10	3 55	3 90
⅞	.18	4.15	3 85	3.45	⅞	.18	2.95	2 30	3 90	4 30
1	.21	4.75	4.40	3.95	1	.21	3.40	2.60	4 50	4 95
1¼	.28	6.20	5.70	5.05	1¼	.28	4 35		5 80	6 40
1½	.37	8.00	7.35		1½	.37			7 55	8 35
2	1.00				2	1 00				21.65
2½	1.25				2½	1 25				26 45

SLEDGES AND HEAVY HAMMERS

WESTERN PATTERN—CROSS PEIN

No. 860

	Per Lb.
1½, 2 and 2½ lbs	$ 0.50
3, 3½ and 4 lbs	0.40

REGULAR PATTERN—CROSS PEIN

No. 830

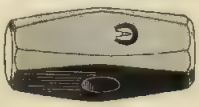
	Per Lb
5, 6, 8, 10, 12, 14, 16 and 20 lbs	$ 0.30

REGULAR PATTERN DOUBLE FACE

No. 850

	Per Lb
2lbs	$ 0.50
3 and 4 lbs	0.40
5, 6, 7, 8, 9, 10, 12, 14 16, 18 and 20 lbs	0.30

OREGON OR SHORT PATTERN



No. 760

	Per Lb
2 and 2½ lbs	$ 0.50
3 and 4 lbs	0.40
5, 6, 7, 8, 9, 10, 12, 14, 16 and 18 lbs	0.30

SPAULING OR STONE HAMMERS

Single Face

No. 710

	Per Lb
3 and 4 lbs	$ 0.50
5, 6, 7, 8, 10, 12, 14, 16, 18 and 20 lbs	0.40

DOUBLE FACE

No. 720

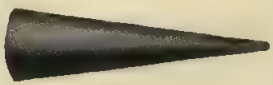
	Per Lb.
8, 10, 12, 14 and 16 lbs	$0.40

OVAL FACE STONE SLEDGES

No. 740

	Per Lb
8, 10, 12, 14, 16, 18, 20 and 24 lbs	$ 0.30

MANDRELS



	Per Lb.
Plain	$ 0.00
Cheney	0.00

ELGIN

The watchword for Elegance and Efficiency

ELGIN, *Style No.* 1
18 Karat, Solid White Gold Engraved Case
Price $116.30

ELGIN, *Style No* 2
18 Karat, Solid White Gold Plain Case
Price $116.30

ELGIN, *Style No* 3
18 Karat, Solid White Gold Engraved Case
Price $116.30

ELGIN, *Style No.* 4
18 Karat, Solid White Gold Engraved Diamond Set Case
Price $213.80

ELGIN, *Style No.* 5
18 Karat, Solid White Gold Engraved Diamond-Set Case
Price $213.80

ELGIN, *Style No.* 6
18 Karat, Solid White Gold Engraved Diamond Set Case
Price $213.80

THESE ELGIN 18/0 Size Rectangular Watches have 17 Jewels—pendant winding and setting, double roller escapement Expansion balance, Breguet hair spring, plates damaskeened. Are cased and timed in beautiful 18 Karat Solid White Gold Cases at the factory. Ribbon of pure silk and 18 Karat Solid Gold Buckle. Each watch is enclosed in a fine leather box, attractive for presentation.

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission

Be Sure to Give Page Number When Ordering.

ELGIN

The watchword for Elegance and Efficiency

(Style 28) Cushion, 6/0 size, 15 jewel Elgin or Waltham 14K white or green gold filled, luminous dial and hands.
W2183. Complete $58.80

Same with 7 jewel movement.
W2184. Complete $47.00

(Style 29) Tonneau, 6/0 size, 14K white or green gold filled 15 jewel, Elgin or Waltham, luminous dial and hands
W2185. Complete $60.00

Same with 7 jewel Elgin or Waltham movement
W2186. Complete $48.20

(Style 30). The new, 10/0 Elgin or Waltham, rectangular, 14K white or green gold filled, 15 jewel, luminous dial and hands.
W2187. Complete $71.00

Same with 7 jewel Elgin or Waltham movement.
W2188. Complete $59.80

(Style 31) square, cut corner, 6/0 size, 14K white or green gold filled 15 jewel Elgin or Waltham, luminous dial and hands.
W2189. Complete $60.00

Same with 7 jewel Elgin or Waltham movement.
W2190. Complete $48.20

(Style 32). Princess, 15 jewel, Elgin or Waltham, 14K solid white gold, engraved bezel.
W2191. Complete $70.00

Same, but white gold filled, warranted 25 years.
W2192. Complete $60.00

(Style 33). 10/0 size, 15 jewel Elgin or Waltham, 14K solid white gold, engraved bezel.
W2193. Complete $65.00

Same with 7 jewel movement.
W2194. Complete $52.50

(Style 34) 10/0 size, 15 jewel Elgin or Waltham, 14K solid white gold, engraved bezel
W2195. Complete $67.00

Same with 7 jewel movement.
W2196. Complete $55.00

(Style 35). 10/0 size, 15 jewel Elgin or Waltham, 14K solid white gold, engraved bezel
W2197. Complete $62.00

Same with 7 jewel movement
W2198. Complete $57.00

(Style 36). 15 jewel, Elgin only, 14K gold filled, engraved and oxidised bezel
W2199. Complete $57.50

Same, with 7 jewel movement
W2200. Complete $40.50

Be sure to give page and style numbers and color desired when ordering.

ELGIN

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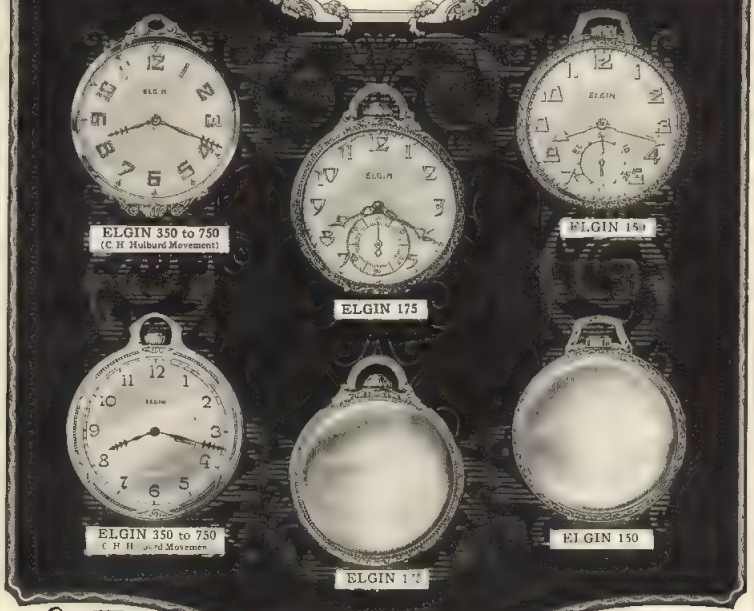


ELGIN, Series 350

THIS series embodies the 19 Jewel C. H Hulburd Movement. All watches of this series are extremely thin models. Eight adjustments within exceptionally narrow limits, make for remarkably accurate time keeping. Made of very finest materials. Finished by Master Craftsmen. Cases in a variety of exquisite, distinctive designs—no two alike. In white, green, yellow gold and platinum. Dials and hands selected to harmonize. Each watch delivered in a handsome jewel box.

Prices on application

ELGIN, No. 175

SERIES of 12 Size thin model Elgins: 21 Jewels, Lord Elgin Movement, 8 Adjustments, Finest craftsmanship throughout. Sterling Silver dial, with beautiful new relief mat finish, and hands designed in harmony with the raised gold numerals. Two Corsican models in 14 Karat Solid Gold Cap Cases. Each comes in a handsome individual gift box.

Price (WHITE GOLD) $249 40
Price (GREEN GOLD) 249.40

ELGIN, No. 150

THE Classic Series of 12 Size thin model Elgins presents the 19 Jewel Lord Elgin Movement, with 8 adjustments and exquisite workmanship throughout.

The new Classic case of original design, is beautifully balanced and comes in 14 Karat White Gold, 14 Karat Green Gold, and 14 Karat Yellow Gold. The back is Butler finish, harmonizing with the fine border engravings. The dial is of silver, with raised gold numerals and hands that conform to the dial design. Classic models come in handsome gift boxes.

Price (WHITE GOLD) $213 80
Price (GREEN GOLD) 213 80
Price (YELLOW GOLD) 213 80

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission

Be sure to give page and style numbers and color desired when ordering.

ELGIN

The watchword for Elegance and Efficiency

ELGIN, No. **W100RW**

Round Shape

12 SIZE, Extra thin, exceptional time-keeping quality, in a slender model Has famous G. M. Wheeler Movement, 17 Jewels, 6 Adjustments. Cased and timed at the factory, in an Engraved 14 Karat White Gold Cap Case of new design.

Price $142.60

ELGIN, No **W100RG**

Engraved 14 Karat Green Gold Cap Case of new design

Price $142 60

ELGIN, No. **W100C**

Cushion Shape

12 SIZE, Extra-thin, exceptional time keeping quality, in a slender model Has the famous G M Wheeler Movement, 17 Jewels, 6 Adjustments Cased and timed at the factory, in an Engraved 14 Karat White Gold Case of new design

Price $142.60

ELGIN, No. **W75RW**

Round Shape

12 SIZE This thin modeled Movement has 17 Jewels and 3 Adjustments It is very attractively cased in a 14 Karat Solid White Gold Cap Case of special design Cased and timed at the Elgin factory.

Price $106.90

ELGIN, No. **W75RG**

14 Karat Solid Green Gold Cap Case of special design

Price $106 90

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission.

Be sure to give page and style numbers when ordering.

See Pages 115 to 120 for Watch Chains

ELGIN, **No. 60**
14 Karat, Solid White Gold Engraved Case, Silver Butler Dial.
Price $85 40

ELGIN, **No. 40 Style A**
14 Karat, White Gold filled Case.
Price $60

14 Karat, Green Gold-filled Case.
Price $60

ELGIN, **No. 40 Style 27**
14 Karat, Green Gold-filled, Bassine Case, Green Butler Dial
Price $60

ELGIN, **No. 50**
14 Karat, White Gold Filled Cushion Case, Silver Butler Dial
Price $71 30

ELGIN, **No. 40 Style B**
14 Karat, White Gold-filled Case
Price $60
14 Karat, Green Gold-filled Case
Price $60

FANCY back cases, styles Nos. 22, 23, 24, 25, and 26 are 14 Karat White or Green Gold filled cases of special design and can only be had on the Elgin No. 40 Style B Watch No extra charge

ELGIN'S Nos. 40, 50 and 60 Watches have the same grade of movement, 12 size 17 Jewel and 3 adjustments, and are extra thin models. These watches are exceptional time-keepers, supplied with special silver dials and very attractive cases of special design

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission

Be sure to give page, model and style numbers and color desired when ordering

Style No. 37
14 Karat, Green Gold-filled Case.
Price $84.70

Style No. 38
10 Karat, Yellow Gold-filled Case.
Price $76.00

Style No. 39
12 Karat, Yellow Gold-filled Case, Solid Gold Bow.
Price $76.00

Style No. 40
14 Karat, White Gold-filled Case.
Price $84.70

All models supplied, if desired, with Montgomery dial
No extra charge Winding indicator $8.40 extra.

The Elgin Railroad Watch, B. W. Raymond, has 21 Jewels, and is 16 Size, with 8 Adjustments, (5 of them position). Double roller escapement. Each part embracing features of proven value, is designed by experts who give the best results in this exacting service. The B. W. Raymond Watch is very easy to regulate because the regulator is extremely positive and responds to the slightest move and holds its position without change.

Cases are heavy gold-filled, specially designed screw cases, non-pull-out bow with new improved dust-proof features Cased and carefully regulated by experts in the Elgin factory, and comply with the requirements of all railroads.

Elgin Watches, as shown, are cased in cases approved by the Federal Trade Commission.
Be sure to give page number when ordering.

Other Railroad Watches are Shown on Pages 53 and 60

ELGIN

The watchword for Elegance and Efficiency

Design No. 7—16 size Dial, no extra charge
Design No. 8—16 size Dial, no extra charge
Design No. 9—16 size Dial, no extra charge
Design No. 10—16 size Dial, no extra charge
Design No. 11—16 size Dial, no extra charge
Design No. 12—16 size Dial, no extra charge

16 Size Movement

W290, Htg
W291, O. F. } Nickel

Breguet hair spring. Plain polished regulator

7 *Jewels* Price $15.50

16 Size Movement

W312, Htg
W313, O. F. } Nickel

Double roller escapement. Micrometric regulator

15 *Jewels* Price $24 80

16 Size Movement

W387, O F Nickel

Ruby and sapphire balance and center Jewels. Double roller escapement. Micrometric regulator

17 *Jewels* Price $30 20

18 SIZE MOVEMENT

W288, O. F.

Pendant Set. Nickel, Full Plate. Seven jewels. Ruby balance jewels. Exposed pallet stones. Cut expansion balance. Polished oval regulator. Sunk second dial. Plates damaskeened.

7 *Jewels* Price $13 90

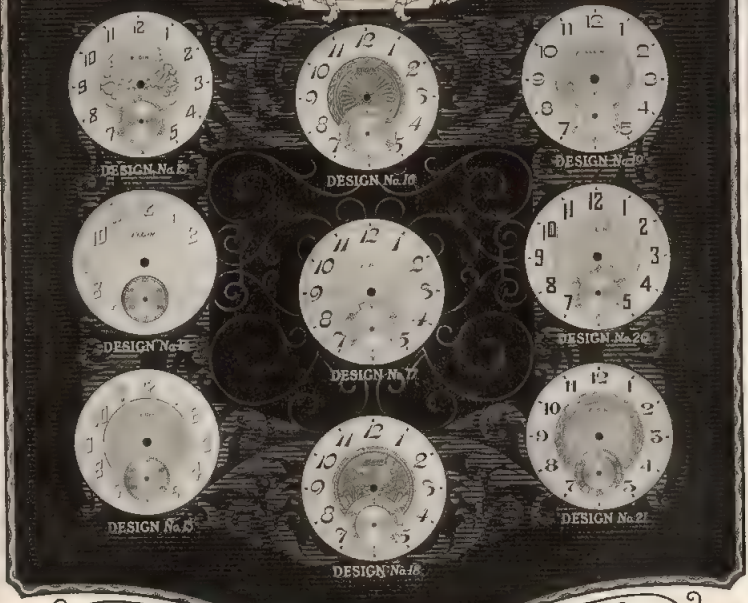
Elgin 6, 16 Size Movements are pendant winding and setting, ruby jewels, exposed pallet stones, cut expansion balance, patent recoiling click, and self locking setting device. Sunk second dials. Plates damaskeened.

Be sure to give page number when ordering.

Separate Cases are Shown on Pages 69 to 73

ELGIN

The watchword for Elegance and Efficiency



TWELVE SIZE MOVEMENTS AND DIALS

TWELVE SIZE MOVEMENTS AND DIALS

Design No. 13—12 size Dial, List $1 30 extra
Designs Nos 14 and 15—12 size Dials, are Sterling Silver with Solid Gold applied figures, List $11 00 extra

Design No. 16—12 size Dial, List $1 30 extra
Design No. 17 12 size Dial, List $1 30 extra
Design No. 18—12 size Dial, List $1 30 extra

Design No. 19—12 size Dial, List $1 30 extra
Design No. 20—12 size Dial, List $1 30 extra
Design No 21 12 size Dial, List $4.50 extra

No. 301, Hdg.
No. 303, O. F } Nickel

Plain polished regulator.

7 Jewels. *List Price* $17 90

No. 314, Hdg.
No. 315, O. F. } Nickel

Micrometric regulator. Sunk second dial.

15 Jewels. *List Price* $25.60

No. 344, Hdg.
No. 345, O. F. } Nickel

Ruby and sapphire balance and center jewels.

17 Jewels. *List Price* $30 20

No. 477 O F Nickel

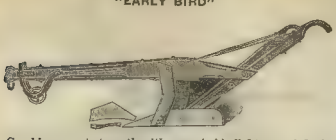
Ruby and sapphire balance and center jewels. Adjusted to temperature, isochronism and 5 positions. Steel escape wheel, compensating balance, micrometric regulator, finely finished.

17 Jewels *List Price* $35.80

ELGIN'S 12 SIZE MOVEMENTS, as shown here, are all pendant winding and setting, ruby balance jewels, double roller escapement, cut expansion balance, Breguet hair spring, exposed winding wheels, patent recoiling click and self-setting device, exposed jewel pallet stones, and plates damaskeened

GRADING PLOWS

"EARLY BIRD"



Combines great strength with remarkable lightness of draft. Owing to the peculiar shape of the moldboard, can be drawn easily by two horses, but is strong enough for six.

Being made to cut a deep rather than wide furrow, can be regulated to any depth required. It does not turn the soil over, but loosens it, leaving the trash on top so that it does not interfere with the scraper when filling.

Beam is of the toughest hardwood, carefully selected, 3¼x8½ inches at standard; heavily ironed on top and bottom with iron straps extending from standard to clevis and bolted to both. Steel clevis with two strong rings. Handles heavily braced. Stout V-shaped standard, double bolted to beam. Reversible cutter. Best plow steel in point, landside, moldboard and cutter. Gauge wheel adjustable, 3x6½ inches; or adjustable steel shoe as ordered, included in the price of plow.

Right or Left Hand.

	Each
No. 22—Length of beam 7 ft 6 in; width of beam 11 ins; can be regulated to any depth required	✣$100 50
No. 22S—Extra shares	✣ 12 75

Shipped loose; wt each 205 lbs.

"EARLY BIRD"

For Railroad and Township Work.

Beams of best white oak, heavily ironed both on the upper and lower side. Wrought steel celvis with two heavy rings. Reversible and sufficiently strong cutter. Best grade of timber in handles which are well straped on both sides. All hand holds malleable iron, except on No. O. Moldboards shares and cutters best grade of plow steel. Guard on exposed handle to protect it when dragging.

Right or Left Hand.

Nos.	0	1	2	3
Length beam,	6 ft 6 in	7 ft 6 in	7 ft 6 in	8 ft 8 in
Width of cut, ins.	11	11	12	12
Wt each, lbs.	180	210	290	333
Each	✣$81 00	✣88 50	✣107 25	✣118 50

Extra Share For Above Plows.

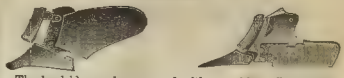
Nos.	0-S	1-S	2-S	3-S
Wt each, lbs	22	24	28	30
Each	✣$17 25	✣17 25	✣19 50	✣21 30

Shipped loose.

✣F. O. B. Ohio Factory Only.

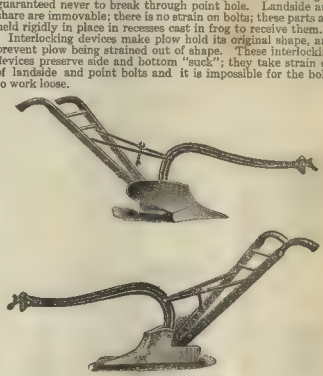
CHILLED PLOWS

W. J. OLIVER



The landside can be removed without taking off any other part. All strains are carried to the frog direct; the frog is guaranteed never to break through point hole. Landside and share are immovable; there is no strain on bolts; these parts are held rigidly in place in recesses cast in frog to receive them.

Interlocking devices make plow hold its original shape, and prevent plow being strained out of shape. These interlocking devices preserve side and bottom "suck"; they take strain off of landside and point bolts and it is impossible for the bolts to work loose.



Steel Beam.

Nos.	Each	Hand	Depth Below Point ins	Width Cut ins	Wt Each lbs
RHO-Peanut	20 55 *$ 8 50*	Right	4½	7	63
7RHO	23 10 *10 50*	Right	4½	7	67
10RHO	38 55 *17 50*	Right	6	10	90
11RHO	40 80 *18 50*	Right	6	11	107
11LHO	40 80 *18 50*	Left	6	11	107
12RHO	44 10 *20 00*	Right	7	12	118
12LHO	44 10 *20 00*	Left	7	12	118
13RHO	48 45 *22 00*	Right	8	13	135
13LHO	48 45 *22 00*	Left	8	13	135
14RHO	52 95 *24 00*	Right	8	14	150
14LHO	52 95 *24 00*	Left	8	14	150

Shipped loose.

PLOW REPAIRS

FOR W. J. OLIVER PLOWS

Shares, Plain.

Nos.	Each	Hand	Wt each, lbs
10RH PO	1 55 *$0 70*	Right	6½
11RH PO	1 65 *75*	Right	7
12LH PO	1 88 *85*	Left	8
12RH PO	1 88 *85*	Right	8
13LH PO	2 10 *95*	Left	9½
13RH PO	2 10 *95*	Right	9½

PLOW REPAIRS

FOR W. J. OLIVER CHILLED PLOWS

Shares, Deep Suction.

Nos.	Each	Hand	Wt each, lbs
PRHOS	0 66 *$0 30*	Right	3
7RHSO	89 *40*	Right	8½
10RHSO	1 65 *75*	Right	6½
11RHSO	1 65 *75*	Right	7
11LHSO	1 65 *75*	Left	7
12RHSO	1 88 *85*	Right	8
12LHSO	1 88 *85*	Left	8
13RHSO	2 10 *95*	Right	9½
13LHSO	2 10 *95*	Left	9½
14RHSO	2 10 *95*	Right	10½
14LHSO	2 10 *95*	Left	10½

Landsides.

Nos.	Each	Hand	Wt each, lbs
7RHLO	1 65 *$0 75*	Right	8½
10RHLO	2 88 *1 30*	Right	6½
11RHLO	2 88 *1 30*	Right	7
11LHLO	2 88 *1 30*	Left	7
12RHLO	3 09 *1 40*	Right	9½
12LHLO	3 09 *1 40*	Left	9½
13RHLO	3 54 *1 60*	Right	11½
13LHLO	3 54 *1 60*	Left	11½

Moldboards.

Nos.	Each	Hand	Wt each, lbs
7RHMO	4 98 *$2 25*	Right	7
10RHMO	8 82 *4 00*	Right	16½
11RHMO	9 93 *4 50*	Right	16½
11LHMO	9 93 *4 50*	Left	16½
12RHMO	10 50 *4 75*	Right	20½
12LHMO	10 50 *4 75*	Left	20½
13RHMO	11 04 *5 00*	Right	22
13LHMO	11 04 *5 00*	Left	22

Shins.

Nos.	Each	Hand	Wt each, lbs
10RHSHO	0 56 *$0 25*	Right	2
11RHSHO	56 *25*	Right	2½
11LHSHO	56 *25*	Left	2½
12RHSHO	66 *30*	Right	2½
12LHSHO	66 *30*	Left	2½
13RHSHO	66 *30*	Right	3
13LHSHO	66 *30*	Left	3

	Each
No. LHJO—Jointers Complete; left hand; wt each 24 lbs	10 50 *$4 75*
No. RHJO Jointers Complete; right hand; wt each 19 lbs	10 50 *4 75*
No. LHJPO Jointer Points; left hand; wt each 3 lbs	77 *35*
No. RHJPO Jointer Points; right hand; wt each 3 lbs	77 *35*
No. LHJMO—Jointer Moldboards; left hand wt each 2½ lbs	1 32 *60*
No. RHJMO Jointer Moldboards; right hand wt each 2½ lbs	1 32 *60*
No. GWO—Gauge Wheels Complete; wt each 15 lbs	✤4 41 *$ 00*

✤F. O. B. Tennessee Factory Only.

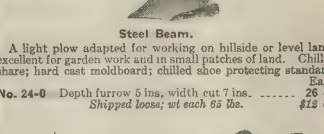
HILL SIDE PLOWS

W. J. OLIVER

Steel Beam.

A light plow adapted for working on hillside or level land; excellent for garden work and in small patches of land. Chilled share; hard cast moldboard; chilled shoe protecting standard.

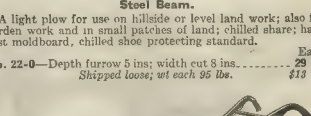
	Each
No. 24-0 Depth furrow 5 ins, width cut 7 ins.	26 40
Shipped loose; wt each 65 lbs.	*$12 00*



Steel Beam.

A light plow for use on hillside or level land work; also for garden work and in small patches of land; chilled share; hard cast moldboard, chilled shoe protecting standard.

	Each
No. 22-0—Depth furrow 5 ins; width cut 8 ins.	29 70
Shipped loose; wt each 95 lbs.	*$13 50*



Steel Beam.

Operates very easily and is suitable for use on hillside or level land; can be set so as to take land on very steep hillsides; chilled share; hard cast moldboard; chilled shoe running entire length of landside; moldboard made separate from frog.

	Each
No. 25-0—Depth furrow 6 ins; width cut 10 ins.	39 75
Shipped loose; wt each 115 lbs.	*$18 00*

PLOW REPAIRS

FOR W. J. OLIVER HILLSIDE PLOWS

Shares.

	Each
No. 2480—For plow No. 24-O; wt each 8¼ lbs.	1 11 *$0 50*
No. 2230—For plow No. 22-O; wt each 5¾ lbs.	1 32 *60*
No. 2550—For plow No. 25-O; wt each 9 lbs.	1 88 *85*
Packed loose.	

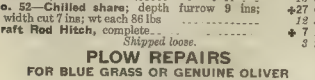
SUB-SOIL PLOWS
W. J. OLIVER

Steel Beam.

Standard is clamped to the beam with two U-bolts; adjustable handles; malleable standard; stout steel beam; for use in following in furrow behind turning plow or middle breaker for deep plowing.

	Each
No. 50—Steel share; depth furrow 7 ins; width cut 5 ins; wt each 57 lbs	✚26 40
	$12 00
No. 50—Chilled share; depth furrow 7 ins; width cut 5 ins; wt each 57 lbs	✚24 30
	11 00
No. 52—Steel share; depth furrow 9 ins; width cut 7 ins; wt each 86 lbs	✚30 00
	13 50
No. 52—Chilled share; depth furrow 9 ins; width cut 7 ins; wt each 86 lbs	✚27 60
	12 50
Draft Rod Hitch, complete	✚ 7 20
Shipped loose.	*3 25*

PLOW REPAIRS
FOR BLUE GRASS OR GENUINE OLIVER CHILLED PLOWS



Plain Shares

Nos.	Each		Wt ea Lbs
A1RHP	0 72	*$0 35*	9
10RHP	1 23	*60*	5½
13RHP	1 44	*70*	6
19RHP	1 55	*75*	8
19LHP	1 55	*75*	8
20RHP	1 74	*85*	8½
20LHP	1 74	*85*	8½
40RHP	1 86	*90*	11½

Deep Suction Shares

Nos.	Each		Wt ea Lbs
10RHDS	1 23	*$0 60*	5½
13RHDS	1 44	*70*	6
13LHDS	1 44	*70*	6
19RHDS	1 55	*75*	8
19LHDS	1 55	*75*	8
20RHDS	1 74	*85*	8½
20LHDS	1 74	*85*	8½
30RHDS	✚1 65	*80*	8½
30LHDS	✚1 65	*80*	8½
40RHDS	1 86	*90*	11½
40LHDS	1 86	*90*	11½

Mouldboards for Wood or Steel Beam.

Nos.	Each		Wt each lbs
ARHM	✚4 32	*$2 10*	10
10RHM	6 15	*3 00*	13
13RHM	8 25	*4 00*	14
13LHM	8 25	*4 00*	14
19RHM	8 70	*4 25*	16½
19LHM	8 70	*4 25*	16½
20RHM	9 24	*4 50*	18
20LHM	9 24	*4 50*	18

Landsides For Wood Beam

Nos.	Each		Wt each Lbs
10RHLW	2 13	*$1 05*	7½
13RHLW	2 55	*1 25*	9
19RHLW	2 76	*1 35*	9
19LHLW	2 76	*1 35*	9
20RHLW	2 88	*1 40*	10½
20LHLW	2 88	*1 40*	10½

Landsides For Steel Beam

Nos.	Each		Wt each Lbs
10RHLS	2 13	*$1 05*	7½
13RHLS	2 55	*1 25*	9
19RHLS	2 76	*1 35*	9
19LHLS	2 76	*1 25*	9
20RLHS	2 88	*1 40*	10½
20LHLS	2 88	*1 40*	10½

Packed loose.

✚F. O. B. Tennessee Factory Only.

PLOW REPAIRS

Shares For Blue Grass Syracuse Pattern or Genuine Syracuse Hillside Plows.

	Each	
No. 6—For No. 6 plow; wt each 8 lbs	2 28	*$1 10*
No. 26—For No. 26 plow; wt each 8 lbs	1 74	*85*
No. 36S-1—For No. BG 36 plow; wt each 5 lbs	1 14	*55*
No. 126—For No. 126 plow; wt each 8½ lbs	1 74	*85*
No. 226S-1—For No. BG 226 plow; wt each 8 lbs	1 74	*85*

Packed loose.

SHARES, DEEP SUCTION—For Vulcan Plows.

Nos.	Right Hand Wt Lbs	Right Hand Each		Nos.	Left Hand Wt Lbs	Left Hand Each	
V 7RHDS	8½	84	*$0 40*	V10LHDS	7	1 55	*$0 75*
V 9RHDS	5	1 23	*60*	V11LHDS	7	1 55	*75*
V10RHDS	7	1 55	*75*	V12LHDS	7½	1 74	*85*
V11RHDS	7	1 55	*75*	V13LHDS	8	1 95	*95*
V12RHDS	7½	1 74	*85*				
V13RHDS	8	1 95	*95*				

Average wt each about 7 lbs.

SHARES FOR VULCAN HILLSIDE PLOWS

	Each	
No. V10HS—Wt each 5 lbs	1 86	*$0 90*

Packed loose.

LANDSIDES, For Vulcan Plows.

Nos.	Right Hand Each		Nos.	Left Hand Each	
V 7RHL	✚1 56	*$0 75*	V 9LHL	✚2 28	*$1 10*
V 9RHL	✚2 28	*1 10*	V10LHL	✚2 70	*1 30*
V10RHL	✚2 70	*1 30*	V11LHL	✚2 70	*1 30*
V11RHL	✚2 70	*1 30*	V12LHL	✚2 88	*1 40*
V12RHL	✚2 88	*1 40*	V13LHL	✚3 27	*1 60*
V13RHL	✚3 27	*1 60*			

Average wt each about 7 lbs.

SHARES, For Chattanooga Plows.

Nos.	Right Hand Each		Nos.	Left Hand Each	
C23RHDS	✚1 22	*$0 60*	C43LHDS	✚1 22	*$0 60*
C24RHDS	✚1 44	*70*	C44LHDS	✚1 53	*75*
C25RHDS	✚1 74	*85*	C45LHDS	✚1 74	*85*
C62RHDS	76	*85*	C63LHDS	✚1 22	*60*
C71RHDS	✚ 84	*40*	C64LHDS	✚1 55	*70*
C43RHDS	✚1 22	*60*	C65LHDS	✚1 74	*85*
C44RHDS	✚1 53	*75*			
C63RHDS	✚1 22	*60*			
C64RHDS	1 55	*75*			
C65RHDS	✚1 74	*85*			

Average wt each about 8 lbs.

LANDSIDES, For Chattanooga, Plows.

Nos.	Right Hand Each		Nos.	Left Hand Each	
C23RHL	✚2 46	*$1 20*	C43LHL	✚2 28	*$1 10*
C24RHL	✚2 97	*1 45*			
C25RHL	✚3 48	*1 70*			
C62RHL	1 44	*70*			
C71RHL	✚1 44	*70*			
C43RHL	✚2 28	*1 10*			

Average wt each about 12 lbs.

✚F. O. B. Tennessee Factory Only.

PLOW REPAIRS

REPAIRS FOR SOUTH BEND PLOWS—X SERIES

Chilled Moldboard. Chilled Share.

Chilled Moldboard.

Nos.	For Plows, No.	Wt each, lbs	Each
2XMR	2XWR & 2XSR	12	✚$6 75
2XML	2XWL & 2XSL	12	✚ 6 75
4XMR	4XWR & 4XSR	23½	✚ 9 75

Packed loose.

Plain Chilled Share.

Nos.	For Plows, No.	Wt each, lbs	Each
1BXSHR	1BXWR & 1BXSR	4½	$1 02
2XSHR	2XWR & 2XSR	6	1 26
2XSHL	2XWL & 2XSL	5	✚ 1 26
3XSHR	3XWR & 3XSR	7	1 59
3XSHL	3XWL & 3XSL	7	✚ 1 59
4XSHR	4XWR & 4XSR	8¼	1 74
4XSHL	4XWL & 4XSL	8¼	1 74

Packed loose.

Deep Suction Shares.

Deep suction shares have the same shape as our plain chilled shares, except they have extra deep suck for plowing in very hard soil.

Each

No. 40XSHR—For right hand plows ✚$1 80
No. 40XSHL—For left hand plows ✚ 1 80

Packed loose.

FOR SOUTH BEND—F SERIES

Chilled Moldboards.

Each

No. 3FR—For No. 3FR plow; wt each 20 lbs $9 45

Chilled Landsides.

Each

No. 2FR—For No. 2FR plow; wt each 6 lbs $2 19
No. 3FR—For No. 3FR plow; wt each 9 lbs 2 70

Chilled Common Shares or Points.

Each

No. 2FL—For No. 2FR plow; wt each 4 lbs ✚$1 11
No. 3FR—For No. 3FR plow; wt each 6 lbs 1 41
No. 3FL—For No. 3FL plow; wt each 6 lbs 1 41
No. 4FR—For No. 4FR plow; wt each 6 lbs 1 59
No. 4FL—For No. 4FL plow; wt each 6 lbs 1 59
No. 10FR—For No. 10FR plow; wt each 7 lbs ✚ 1 80

Chilled Deep Suction Shares or Points.

Each

No. 2FRDS—For No. 2FR plow; wt each 4 lbs $1 11
No. 3FRDS—For No. 3FR plow; wt each 6 lbs 1 41
No. 4FRDS—For No. 4FR plow; wt each 7 lbs ✚ 1 59

REPAIRS FOR SOUTH BEND—OLD SERIES

Chilled Moldboards.

Each

No. 2R—For No. 2R plow; wt each 18 lbs $6 45
No. 3R—For No. 3R plow; wt each 20 lbs 8 70

Common Shares or Points.

Each

No. 1RH—For No. 1RH plow; wt each 3 lbs ✚ $0 81

Deep Suction Shares or Points.

Each

No. 1RHDS—For No. 1RHDS plow; wt each 3 lbs. ✚ $0 81

Chilled Shins.

Each

No. 3R—For No. 3R plow; wt each 5 lbs $0 60

✚F. O. B. Indiana Factory Only.

PLOW REPAIRS

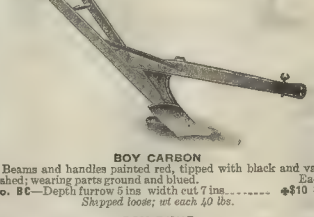
REPAIRS FOR SOUTH BEND HILLSIDE PLOWS

For Plows No.	Shares		Moldboards		Landsides	
	Wt ea. lbs	Each	Wt ea. lbs	Each	Wt ea. lbs	Each
64	2	$0 96				
1-2	4	1 41	14	$7 35	4	$2 04
302	5	1 59	16	8 55	4.8	2 25
304	7	1 86	20	11 70	7	2 46

For Plows No.	Frogs		"Y" Braces	
	Wt each lbs	Each	Wt each lbs	Each
1-2				
302	7	$1 86	3.4	✚$2 16
304	8	2 88		

Packed loose.

PLOWS



BOY CARBON

Beams and handles painted red, tipped with black and varnished; wearing parts ground and blued.

Each

No. BC—Depth furrow 5 ins width cut 7 ins ✚$10 35

Shipped loose; wt each 40 lbs.

BOY DIXIE

Beams and handles, natural finish, tipped with black and varnished; wearing parts unpolished

Each

No. BD—Depth furrow 5 ins; width cut 7 ins. ✚$8 55

Shipped loose; wt each 40 lbs

EXTRAS

FOR BOY CARBON PLOWS.

Per 100 Lbs

No. BCP—Points ✚$16 95
No. BCL—Landsides ✚ 16 95
No. BCN—Mouldboards ✚ 16 95

Per Pr

No. BCH—Handles, without irons ✚ $2 28

Each

No. BCB—Beams, without irons ✚ $1 74

FOR BOY DIXIE PLOWS

Per 100 Lbs

No. BDP—Points ✚$14 70
No. BDL—Landsides ✚ 14 70
No. BDM—Mouldboards ✚ 14 70

Each

No. BDS—Standards ✚$15 75

Per Pr

No. BDH—Handles, without irons ✚ $1 95

Each

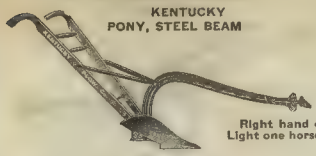
No. BDB—Beams without irons ✚ $1 56

✚Plows—F. O. B. Tennessee Factory Only.
✚Plow Repairs—F. O. B. Indiana Factory Only.

STEEL PLOWS

KENTUCKY

PONY, STEEL BEAM



Right hand only, Light one horse.

Each

Pony-SB—Beam and handles painted green, handles red tipped. Patterned after the genuine Avery. Wrought steel frog, patent adjustable chilled heel, hardened steel moldboard, point and side. Wide space between handles at bottom. 7 in. cut, with extra point $16 35

Shipped loose; wt each 60 lbs.

KENTUCKY STEEL BEAM

Furnished with one extra point.

Beam and handles painted green, red tipped. Patterned after the genuine Avery. Wrought steel frog, patent adjustable chilled heel, hardened steel moldboard, point and side. Wide space between handles at bottom. Fine cutter attachments supplied when wanted

Right Hand Only.

Each

No. A0-SB—Light one horse, 8 in. cut $17 70

No. B0-SB—Heavy one horse, 9 in. cut 19 20

Shipped loose; wt each 65 lbs.

Right Hand Only.

Each

No. C0-SB—Medium two horse, 10 in. cut $24 00

No. D0-SB—Heavy two horse, 11 in. cut 26 85

Shipped loose; wt each 80 lbs.

REPAIRS FOR KENTUCKY STEEL BEAM PLOWS

For Plows No.	Steel Points		Steel Slides	
	Wt each, lbs	Each	Wt each, lbs	Each
Pony-SB	2.7	$1 38	1.8	✚$0 99
A0-SB	3.2	1 59	1.6	✚ 1 11
B0-SB	3.3	1 92	1.6	✚ 1 11
C0-SB	4.6	2 31	2.4	✚ 1 35
D0-SB	5	2 70	2.4	✚ 1 35

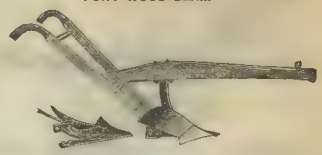
Packed loose.

✚F. O. B. Kentucky Factory Only.

STEEL PLOWS

KENTUCKY

PONY WOOD BEAM



Right hand only, Light one horse.

Beam and handles varnished, red tipped. Correct shape. Same pattern as the genuine Avery. Has wrought steel standard and cap bolted to beam by two bolts, steel moldboard, point and landside, malleable frog and adjustable heel. Chilled points. Wide space between handles at bottom.

Each

Pony-WB—7 inch cut, with one extra point; wt each 39 pounds $12 45

No. 5-WB—Steel point; wt each 2 1/16 lbs 1 35

No. 10-WB—Steel slides; wt each 1 1/2 lbs 96

Shipped loose.

KENTUCKY WOOD BEAM

Furnished with one extra point.

Beam and handles varnished, red tipped. Correct shape. Same pattern as the genuine Avery. Wrought steel standard and cap bolted to beam by two bolts; steel moldboard, point and landslide; malleable frog and adjustable heel. Wide space between handles and bottom. Fine cutter attachments supplied when wanted.

Right Hand Only.

Each

No. A0-WB—Light one horse, 8 in. cut $13 80

No. B0-WB—Heavy one horse or light two horse, 9 in. cut 15 75

Shipped loose; wt each 45 lbs.

REPAIRS FOR KENTUCKY WOOD BEAM PLOWS

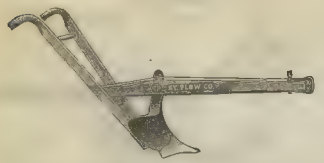
For Plows No.	Steel Points		Steel Slides	
	Wt each, lbs	Each	Wt each, lbs	Each
Pony-WB	2.7	$1 35	1.8	✚$0 99
A0-WB	3.2	1 65	1.6	✚ 1 11
B0-WB	3.3	1 95	1.6	✚ 1 11
C0-WB	4.6	2 31	2.4	✚ 1 35
D0-WB	5	2 70	2.4	✚ 1 35

Packed loose.

✚F. O. B. Kentucky Factory Only.

CAST PLOWS

KENTUCKY



One Horse. A popular cotton bedder, bluff moldboard strong and durable. The original B. F. Avery model. Cast iron share, landside and standard, with moldboard, beam and handles varnished, black tipped.

	Each
No. 8—7 inch cut, with extra point; wt each 37 lbs.	$10 50
No. 5—Cast points; wt each 2 1/16 lbs.	60
No. 6—Cast points, Genuine Avery; wt each 2 1/16 lbs.	78

Shipped loose.

DOUBLE SHOVEL PLOWS

WOOD BEAM

Steel standards, fastened to beams with two bolts passing through iron wedges which permit of adjustment for widening or narrowing the plow.

	Each
No. 3—Beam and handles painted red, black tipped; standards painted green, two hole blades	$9 90

Shipped loose; wt each 37 lbs.

STEEL BEAM

	Each
No. 5—Beam painted black, handles varnished; fenders and heel slides can be furnished at an extra price, two hole blades	$9 30

Shipped loose; wt each 36 lbs.

DOUBLE SHOVEL PLOWS

STEEL BEAM

Heavy steel beam 1¾x¾ inches, making it unsurpassed for rocky or stumpy new ground, where a tool is subjected to sudden strain.

	Each
No. 7—Handles are well braced and varnished. Adjustable malleable iron foot, bolted to steel standards, and any style sweep, shovel or scooter blade can be attached with two bolts or a heel bolt, two hole blades	$11 55

Shipped loose; wt each 46 lbs.

BROWN'S WOOD BEAM

Each

No. 6—Beam varnished, standard painted red; handles varnished and green tipped, furnished complete with thumb nut bolts and clevis, one hole blades $13 50

Shipped loose; wt each 46 lbs.

BROWN'S STEEL BEAM

Each

No. 8—Beam and standards painted red, varnished handles, green tipped. Furnished complete with thumb nut bolts and clevis, one hole blade $13 50

Shipped loose; wt each 46 lbs.

BROWN DOUBLE SHOVEL BLADES

Bolts 2¾x⁷/₁₆ inches.

Size, ins	6x11x¼	5½x11x¼	5x11x¼
Approx wt, lbs	2.7	2.8	2.9

Polished and blued; with one hole; Per 100 Lbs $29 25

Packed loose.

BROWN BULL TONGUES

Polished and blued. One hole only.

Size, ins	2x⁷/₁₆	2½x⁷/₁₆	3x⁷/₁₆
Approx wt, lbs	1.8	2.3	2.5

Per 100 Lbs $29 25

COTTON SCRAPERS

REVERSIBLE

Cast iron base, scraper may be easily guided by operator in following straight, circular or crooked rows. Blade is reversible having two sharp edges. Beams and handles painted red, black tipped.

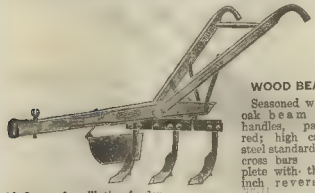
	Each
No. 2—Beam 2½x3¾x50 ins long	$12 45
No. 2CSB—Extra blades for No. 2 cotton scrapers	2 76

Shipped loose; wt each 30 lbs.

CULTIVATORS

GENUINE BRINLY HARDY, RASTUS

Originally designed for the cultivation of cotton in heavy soil where deep cultivation was desired, now universally used for the cultivation of all row crops. The shovels have a peculiar twist which sifts a fine dust mulch to the plants throwing the weeds and clods to the center, leaving a smooth furrow bottom preventing the soil from washing.

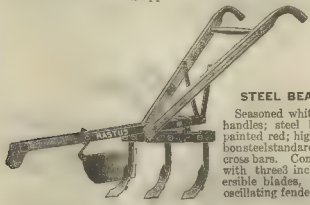


WOOD BEAM

Seasoned white oak beam and handles, painted red; high carbon steel standards and cross bars. Complete with three 3 inch reversible blades, and oscillating fender.

	Each
No. R10—Wt each 55 lbs	✣$17 70

Shipped loose.



STEEL BEAM

Seasoned white oak handles; steel beam, painted red; high carbon steel standards and cross bars. Complete with three 3 inch reversible blades, and oscillating fender.

	Each
No. R20—Wt each 61 lbs	✣$18 75

EXTRA CULTIVATOR BLADES
For Rastus Cultivators.

	Each
No. R2—2 in	✣$0 57
No. R3—3 in	✣ 63
No. R4—4 in	✣ 75

Shipped loose.

✣F. O. B. Kentucky Factory Only.

CULTIVATORS

SPRING TOOTH

Showing No. 153.

Steel frames and highly tempered steel blades. By hitching singletree in outside hole of clevis and removing center tooth, can be used to straddle row with horse walking on one side.

They are made with adjusting rods or with levers. By easy manupulation of the adjusting rods or a slight movement of the levers it can be quickly converted into the following implements: straight cultivator, "A" shaped cultivator, "V" shaped cultivator, right hand side harrow, left hand side harrow and six tooth harrow for straddling row. Any of the six adjustments can be made while the horse is in motion.

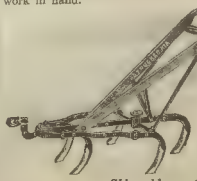
One Horse.

	Each
No. 1—With wood beam, adjusting rods and seven plain teeth; wt each 60 lbs	✣$15 60
No. 3—With wood beam, adjusting rods and seven detachable blades; wt each 64 lbs	✣ 17 40
No. 31—With wood beam, adjustable rods, and five plain teeth; wt each 45 lbs	✣ 13 20
No. 33—With wood beam, adjustable rods, and five detachable blades; wt each 47 lbs	✣ 14 40
No. 153—With steel beam, levers and seven detachable blades; wt each 73 lbs	✣ 24 90
No. 183—With steel beam, levers and five detachable blades; wt each 62 lbs	✣ 21 90
Extra Fenders	✣ 2 46

Shipped loose.

FIVE TOOTH

Frames painted green, striped in red with varnished handles. Have extra holes in frame for two additional blades in case it is desired to use a seven tooth cultivator. The standards are adjustable permitting of different degrees of pitch to suit the work in hand.



Wheel set screw adjustment, which enables the operator to adjust the contraction or expansion of the cultivator without resort to a wrench.

	Each
No. A—Five tooth, with five 3x8 in. blades	$13 80

Shipped loose; wt each 52 lbs.

✣F. O. B. Kentucky Factory Only.

CULTIVATORS

FIVE TOOTH

Lever adjustment, which is by far the most desirable form of construction, as it enables the operator to contract or expand the cultivator without leaving his place at the handles.

Each

No. C—Five tooth, with five 8x8 in. blades..... $15 30

Shipped loose; wt each 60 lbs.

PLOW STOCKS

GEORGIA

Single, with Ratchet, Heel Bolt and T Washer.

Varnished beam and handles, wrought iron standard, patent malleable handle clips. These clips are of value to the planter, avoiding trouble with split handles. The standard moves on a pivot which passes through it and the brace, and can be set at any angle by loosening the two bolts by which standard is fastened to beam and moving standard forward or backward as desired. Any kind or style of blade that takes a heel bolt can be used on these stocks.

Each

No. 2—Beam, 1¾x3⅝x46 ins; standard 1¾x1¼ ins.... $4 95

Shipped loose; wt each 19 lbs.

UNIVERSAL

Single, with Heel Bolt and T Washer.

Beam and handles varnished. With extra strong adjustable wrought iron standard, bent or loop foot, made in one piece. Handle clips, heel bolt and "T" washer are furnished with each stock.

Each

No. 15—Beam, 1¾x3¼x46 ins; standard 1¾x⅝ ins.. $6 30

Shipped loose; wt each 22 lbs.

TRUCKER BLADES—With Bolts.

Per 100

No. 2A—Size 2x8x¼ ins; for 7 tooth cultivator..... $36 45
No. 3A—Size 3x8⁹/₁₆ ins; for 5 tooth cultivator..... 39 00

PLOW STOCKS

PLANTERS' FRIEND

Double Stock, with Ratchet, Heel Bolt and T Washer.

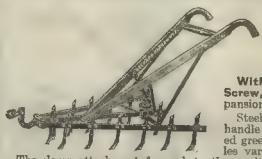
Beams and handles varnished. Planters friend, known as the "Parallel" beam double stock, preferred to the "V" stock by some, but used for the same purpose with any kind of blade. Iron standards with ratchet, adjustable, and distance between them may be widened or narrowed as desired.

Each

No. 9PF—Without blades, beams 1½x2½x33 ins, standards 1⅝x⅛ in..... $8 55

Shipped loose; wt each 33 lbs.

ORCHARD HARROWS



With Wheel Set Screw, to gauge expansion.

Steel frame and handle braces, painted green; wood handles varnished.

The clamp attachment for each tooth permits setting teeth at any angle or vertical position desired.

Reversible steel diamond shaped teeth, ⅝x⅞x9½ inches. Drawn to a cutting edge on one end and beveled on the other.

Each

No. F—Fourteen tooth..... $13 05

Shipped loose; wt each 56 lbs.

With Expanding Lever.

Steel frame and handle braces, painted green; wood handles varnished.

The clamp attachment for each tooth permits setting teeth at any angle or vertical position desired.

Reversible steel diamond shaped teeth ⅝x⅞x9½ inches, drawn to a cutting edge on one end and beveled on the other.

Each

No. G—Fourteen tooth; wt each 64 lbs..... $14 55

Shipped loose.

SOCKET WRENCH SETS.
WALDEN-WORCESTER.
INTERCHANGEABLE.

DRAIN PLUG SERVICE SET.

The hexagon and square sockets and plugs in this set were especially selected for draining and re-filling crank cases, transmissions and differential housings; the sliding bar handle can be used as a tee or offset as the case may require.

Contents: 1 — No. 1124 T handle; 7 hexagon sockets—⅜, ⅝, 15/16, 1, 1 1/16, 1⅛, 1¼ inches; 8 square sockets—5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾, 13/16 inch; 8 plugs—5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾ inch.

Set No. 21. Packed in steel tool box. Wt., 8 5/16 lbs. .....Set **$8 50**

CAR OWNER'S SET.

For Ford Cars.

There are six wrenches in this set, all selected to reach different nuts and bolts on Ford cars.

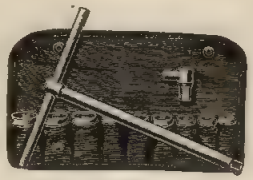
Contents: One each 2418, 5660, 3020, 774, 494, R4564 wrenches. Packed in a substantial canvas roll, enclosed in a carton, 13¾x4¾x2⅝ in.

Set No. 6. Wt., 5 lbs. 13 ozs. Set **$4 80**

CAR OWNERS' SETS.

Contents: 6 Hex. Sockets, ½, 9/16, ⅝, 11/16, ¾, ⅞ in. One 6 in. offset handle. Packed in individual cardboard carton. Size 6¾x2¼x1⅝ in.

Set No. 300. Wt., 1½ lbs....Set **$0 80**



An ideal car owner's set which offers a combination of Tee Handle, Offset Handle with swivel and nine popular sizes of sockets. The offset swivel is possible by inserting the adapter in the shank in place of the Tee Handle. Furnished in a compact leather case with individual partitions for each socket and pocket for the shank, handle and adapter.

Contents. 1 each Shank, Handle, Adapter; 9 Hex. Sockets 7/16, ½, 9/16, 19/32, ⅝, 11/16, ¾, 25/32, ⅞ in. Size 10½x2½ in.

Set No. 309. In leather case. Wt. 1 lb., 15 oz. .....Set **$2 50**

GARAGE SET.

Designed for garages, service stations and repair shops. Reasonable in price. Has extra heavy duty handles and interchangeable steel sockets which offer quick change possibilities and give a wide range of use.

Contents: 1—No. 1125 Offset Handle; 1—No. 1143 Comb. Tee Handle and Extension Bar; 1 –No. 1163 Brace Wrench; 12 Sockets—Hex. 7/16, ½, 9/16, ⅝, 11/16, ¾, ⅞, 15/16, 1, 1-1/16, 1⅛, 1¼ in. Box size, 14½x6¾x3 in.

Set No. 25. Complete with steel tool box. Wt. 14 lbs. ....Set **$12 00**

GENERAL SERVICE.

A most desirable socket wrench set for owner's use and for general service. All parts nickel plated.

Contents: One each No. 712—11 in. Ratchet Wrench; No. 1139—9 in. Extension Bar; No. 1102—Universal Joint and two No. 1109—Plug Connectors; 16 Sockets—Hex. 7/16, ½, 9/16, 19/32, ⅝, 11/16, ¾, 25/32, 13/16, ⅞, 15/16, 31/32, 1, 1-1/16, 1⅛, 1¼ in. Box size 11⅝x4¾x2¼ in.

Set No. 16. Complete with steel tool box. Wt. 9 lbs., 15 oz.....Set **$14 00**

SOCKET WRENCH SETS.

WALDEN-WORCESTER.

INTERCHANGEABLE.

GARAGE SETS.

Especially well adapted for use in service stations, garages and repair shops, on all classes of automotive work. All parts nickel plated.

Contents: One each No. 712—11 in. Ratchet Wrench; No. 1143—Tee Handle and Extension Shank; No. 1125—Offset Handle; No. 1163 — Brace Wrench; No. 1102—Universal Joint; No. 1108—Extension Top; No. 1139—9 in. Extension Bar and two No. 1109—Plug Connectors; 16 Hex. Sockets—7/16, ½, 9/16, 19/32, ⅝, 11/16, ¾, 25/32, 13/16, ⅞, 15/16, 31/32, 1, 1-1/16, 1⅛, 1¼ in. Box size 15⅞x9x4¾ in.

Set No. 26. Complete with steel tool box. Wt. 21½ lbs. ..... Set $20 00

A complete, heavy duty socket wrench set for use by mechanics or millwrights in service station, garage or general factory and mill service. All parts nickel plated.

Contents: One each No. 712, 11 in. Ratchet Wrench; No. 1143, Tee Handle and Extension Shank; No. 1125, Offset Handle; No. 1163, Brace Wrench; No. 1102, Universal Joint; No. 1108, Extension Top; No. 1139, 9 in. Extension Bar and two No. 1109 Plug Connectors; 16 Hex. Sockets, 7/16, ½, 9/16, 19/32, ⅝, 11/16, ¾, 25/32, 13/16, ⅞, 15/16, 31/32, 1, 1-1/16, 1⅛, 1¼.

11 Square Sockets—⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾, ⅞, 1, 1⅛, 1¼. Box size, 15⅞x9x4¾ in.

Set No. 27. Complete with steel tool box. Wt. 26 lbs. ..... Set $26 00

SOCKET WRENCH PARTS.

WALDEN-WORCESTER INTERCHANGEABLE.

STEEL SOCKETS.

Sockets—Sockets are machine made from the solid bar. Broaching depth is the thickness of the nut to be fitted, and broached 1/64 in. over the size of the nut. Sockets are counter-drilled making extreme bolt size depth of socket ½ in. more than the thickness of the nut. The broached end is countersunk slightly to relieve the square edges and allow more rapid placing of socket on bolt head.

In designing sockets, we have taken into consideration where they are to be used and have gone as far as we think practical in tapering the sockets so that the user can get in with them. Sockets should be properly fitted to the head on which they are to be used before any great strain is put on them.

Hexagonal Sockets 214-228 inclusive are Chrome nickel.

SOCKET STOCK NUMBERS		SOCKET SIZES	SIZES SCREW-BOLT NUTS S.A.E. Cap Screws	U.S. Stan. Nuts	U.S.A. Cap Screws Stan. Semi-Fin.	U.S. Bolt Heads Stan. Semi-Fin.
Square	Hexagon					
112		3/8				
114	214	7/16	1/4			1/4
116	216	1/2	5/16	1/4	5/16	1/4
118	218	9/16	3/8		3/8	
	219	19/32		5/16		5/16
120	220	5/8	7/16		7/16	
122	222	11/16		3/8		3/8
124	224	3/4	1/2		1/2	
	225	25/32		7/16		7/16
	226	13/16		9/16		
128	228	7/8	9/16	1/2	5/8	1/2
	230	15/16	5/8			
	231	31/32		5/8		5/8
132	232	1	11/16		3/4	
	234	1 1/16	3/4	5/8		5/8
136	236	1 1/8			7/8	
140	240	1 1/4	7/8	3/4	1	3/4

Square.

No. 112-118	Each	$0 40
No. 120	Each	45
No. 122	Each	50
No. 124	Each	55
No. 128	Each	65
No. 132	Each	75
No. 136-140	Each	80

Hexagon.

No. 214-222	Each	$0 40
No. 224-225	Each	45
No. 226-230	Each	50
No. 231-232	Each	60
No. 234-240	Each	65

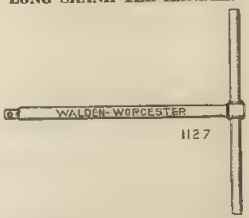
COMBINATION TEE AND OFFSET.

No. 1111. Length overall 10 in. Wt. 1 lb. ..... Each $0 75

SHORT SHANK TEE HANDLE.

No. 1106. Shank 6 in., handle 8 in. Wt. 1 lb. ..... Each $1 00

LONG SHANK TEE HANDLE.



No. 1127. Shank 12 in., handle 12 in. Wt. 1lb., 12 oz. ..... Each $1 40

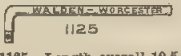
LONG SHANK SPEED WRENCH.

No. 1119. Length overall 20 in., shank 9¼ in. Wt. 1 lb., 12 oz. ... Each $1 20

SHORT SHANK SPEED WRENCH.

No. 1115. Length overall 14¼ in. Shank 4¼ in. Wt. 2 lbs. .. Each $1 30

HEAVY DUTY OFFSET HANDLE.



No. 1125. Length overall 10-5/16 in., Wt. 1 lb. ..... Each $0 80

All above, five in a package.

SOCKET WRENCH PARTS.

WALDEN-WORCESTER.

INTERCHANGEABLE.

PLUG CONNECTORS.

No. 1109. Square bar with ball friction on each end for coupling combination parts. Wt. each, 2 ozs..Each $0 35

EXTENSION BARS.

Bars have ball friction on each end to hold sockets and other parts in engagement. Length overall, 9 inches.

No. 1139. Wt. ⅝ lb.....Each $0 60
Five in a box.

UNIVERSAL JOINTS.

Universal Joints are solid steel full machined finish. Used in combination with ratchet wrench extension bars and sockets working successfully at an angle of 45 degrees.

No. 1102. Wt., ½ lb.....Each $1 80

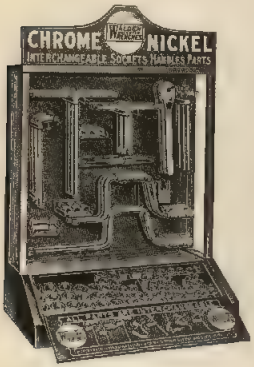
Five in a box.

BRACE TOP OR HANDLE.

A pressed steel handle, working on cone bearing and provided with socket end to fit brace wrench and various combination parts. Valuable auxiliary, with extension bar, ratchet wrench, and socket, on overhead work—millwrights particularly will appreciate this attachment and combination.

No. 1108. Wt. each, 6 ozs...Each $0 60
Five in a box.

STEEL CABINET ASSORTMENT.



A "merchandiser" in every sense of the word—all steel— substantial—convenient—attractive — carrying a selection of **interchangeable** handles, sockets and parts. An ideal cabinet for dealers selling mechanics and car owners. All parts and sockets are **interchangeable** with each other, enabling mechanics to make innumerable combinations to take care of unusual demands.

Assortment includes 113 Wrenches and Sockets as listed in next column.

Hex Sockets 214 to 228 inclusive are Chrome Nickel Steel insuring strength and wear.

Contents:

3—**1119**—Long Shank Speed Wrenches 20 inches overall, 9¼ inch shank, with solid steel grips. ..Each **$1 20**

3—**1115**—Short Shank Speed Wrenches 14¼ inches overall, 4¼ inch shank, with two solid steel grips Each **$1 30**

3—**1127**—Long Shank Tee Handles 12 inch shank with 12 inch sliding cross bar .....Each **$1 40**

3—**1106**—Short Shank Tee Handles 6 inch shank with 8 inch sliding cross bar .....Each **$1 00**

3—**1113**—Back Spin Reversible Rachets 2¾ inches overall, 1 inch diameter .....Each **$1 75**

3—**1111**—Combination Tee and Offsets, 10 in. long, 9/16 in. wire.Each **$0 75**

3— **712**—Ratchet Wrenches.Each **2 00**

3—**1109**—Plug Connectors. ..Each **35**

3—**1139**—9 in.Extension Bars.Each **60**

3—**1110**—Socket Connectors.Each **35**

3—**1125**—Offset Handles. ..Each **80**

3—**1102**—Universal Joints. ..Each **1 80**

Chrome Nickel Hex Sockets.

3—**No. 214** .....Each **$0 45**
5—**No. 216** .....Each **40**
5—**No. 218** .....Each **40**
3—**No. 219** .....Each **40**
5—**No. 220** .....Each **40**
2—**No. 225** .....Each **45**
3—**No. 226** .....Each **50**
3—**No. 231** .....Each **60**
3—**No. 232** .....Each **60**
3—**No. 234** .....Each **65**
3—**No. 236** .....Each **65**
3—**No. 240** .....Each **65**
5—**No. 222** .....Each **40**
5—**No. 224** .....Each **45**
5—**No. 228** .....Each **50**
5—**No. 230** .....Each **50**

Chrome Nickel Square Sockets.

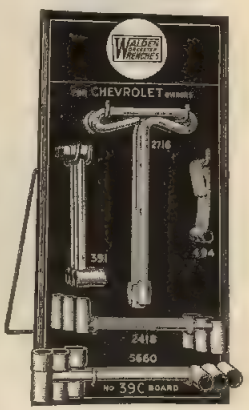
2—**No. 112** .....Each **$0 40**
2—**No. 114** .....Each **40**
2—**No. 116** .....Each **40**
2—**No. 118** .....Each **40**
2—**No. 120** .....Each **45**
2—**No. 122** .....Each **50**
2—**No. 124** .....Each **55**
2—**No. 128** .....Each **65**

No. 1100 Assortment. Complete with steel cabinet. Wt., cabinet only, 42 lbs.; wrench assmt., 62 lbs. ..Assmt. **$90 00**

SOCKET WRENCHES.

WALDEN-WORCESTER.

DISPLAY BOARDS.



Chevrolet.

Arranged for use on counters, walls or in windows. An attractive display board free, with the following wrenches.

3—391	$0 80	$2 40
3—494	50	1 50
3—2418	90	2 70
3—2216	65	1 95
3—5660	1 10	3 30
15 Wrenches.		$11 85

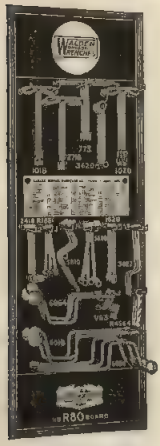
Size of board, 2 ft. x 1 ft. Wrenches, hooks and board, packed for shipment.

No. 39C. Wt., 24 lbs.....Each **$11 85**

SOCKET WRENCHES.

WALDEN-WORCESTER.

DISPLAY BOARDS.



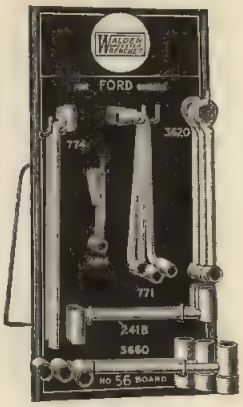
Ford.

Handsomely lithographed board free with the following wrenches:

3—VG3	$0 55	$1 65
3—773	1 50	4 50
3—1018	2 25	6 75
3—1020	2 25	6 75
3—1620	85	2 55
3—R1881	1 20	3 60
3—2418	90	2 70
3—2718	65	1 95
3—3620	85	2 55
3—3822	70	2 10
3—R4564	55	1 65
3—5660	1 10	3 30
3—5810	60	1 80
3—6018	90	2 70
3—6020	90	2 70
3—6064	80	2 40
48 Wrenches		$49 65

Size of board, 6 ft. x 2 ft. Wrenches, hooks and board packed for shipment.

No. R80. Wt. each, 106 lbs. Each **$49 65**



Ford.

For display on counters, walls or in windows, attractively lithographed board free with the following wrenches.

3—494	$0 50	$1 50
3—774	90	2 70
3—771	80	2 40
3—2418	90	2 70
3—3620	85	2 55
3—5660	1 10	3 30
18 Wrenches		$15 15

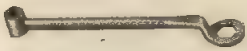
Size of board, 2 ft. x 1 ft. Wrenches, hooks and board, packed for shipment.

No. 56. Wt. each, 27 lbs. . . Each **$15 15**

SOCKET WRENCHES.

WALDEN-WORCESTER FOR FORD CARS.

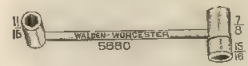
SPARK PLUG AND CYLINDER HEAD.



Used on cylinder head cap screws, spark plug, water cylinder outlet, differential oil plug drain, transmission drain plug.

No. 3620. Length overall, 11 inches; socket sizes, 15/16 inch and ⅝ inch. Wt., 1 lb. . . . . Each **$0 85**

DOUBLE END OFFSET— 3 SOCKETS.



Used on front radius rod, spindle pivot with oiler, tire rod, steering arm, spring clip, spring hanger, front wheel flange, front spring perch, drive shaft castle, differential oil drain plug, rear spring clip, rear spring hanger, brake shoe support, rear wheel to brake drum, battery clamp, body bracket connecting bolt.

No. 5660. Length overall, 10½ inches; socket sizes, 15/16 inch, ⅞ inch and 11/16 in. Wt., 1¾ lbs. . . . . Each **$1 10**

DOUBLE END OFFSET— 3 SOCKETS.

Used on drive shaft roller bearing housing cap screws, hub brace rod support, muffler rod, cylinder head cap screws, steering tube flange bolt, running board, motor support front, water cylinder inlet connection, water cylinder outlet connection, fender to running board, dash bracket to dash.

No. 1620. Socket sizes, ⅝ inch and ½ inch. Wt., 1 lb. . . . . Each **$0 85**

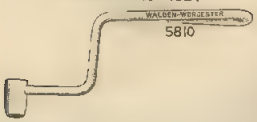
All above, five in a box.

SOCKET WRENCHES.

WALDEN-WORCESTER.

FOR FORD CARS.

CONNECTING ROD.

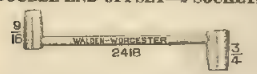


Fits all connecting rod nuts, including the fourth connecting rod. Socket size, ⅝ in.; length overall, 10 5/16 in.
No. 5810. Wt., 1 lb.....Each **$0 60**

FLY WHEEL CAP SCREW.

Used on fly wheel cap screws. Socket size, 11/16 in.; length overall, 11¾ in.
No. 3822. Wt., ¾ lb.....Each **$0 70**

DOUBLE END OFFSET—2 SOCKETS



Used on spindle pivot, spindle tie rod clevis connecting rod bolt, radius rod bolt and nut (rear) differential case, differential case stud, brake shoe support bolt and nut, universal ball cap screws, muffler head to frame bolt, muffler rod, main bearing (rear) intake and exhaust manifold to cylinder block clamp, cam shaft bearing set screw, commutator case support bolt, crank case arm bolt and nut, fan bracket, fan bracket support, battery bracket to frame, transmission drive plate screws, head lamp bracket. Socket sizes, 9/16 and ¾ inch; length overall 9 3/16 ins.
No. 2418. Wt., 1 lb. .....Each **$0 90**

DOUBLE END OFFSET—2 SOCKETS

The 9/16 in. square socket on this wrench, redesigned to take both the center and front main bearing on the Ford car. The socket has been so put as to enable the operator to get a good grip without hurting hand when setting up tight. The 9/16 in. hexagon socket on the other end has a very thin wall for clearance and is intended for wrist pin use only. It is not guaranteed for general use. Used on front main bearing, center main bearing, wrist pin clamp screw, running board bracket, running board to fenders, front spring clamp bolt center.
No. R1881. Socket sizes, 9/16 hexagon, 9/16 square; length overall, 9 7/16 in. Wt., 15 ozs.....Each **$1 20**

All above, five in a box.

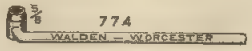
FOR FORD CARS.

MAIN BEARING.

For front, center and rear main bearings. An offset wrench with swivel action and two sockets, 9/16 in. square and ¾ in. double broached. Length overall, 12 inches.

No. 01824. Wt., 1 lb. 7 ozs..Each **$1 50**

CONNECTING ROD.

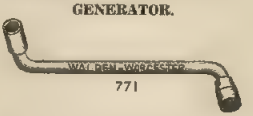


Swivel.

An innovation in socket wrenches for reaching the fourth connecting rod. The new feature—the swivel action of the socket on the handle allows the use of the handle at many different angles.

No. 774. Hexagon chrome nickel steel socket, ⅝ inch; length, 13¾ inches. Wt. each, 1 lb. 3 ozs .....Each **$0 90**

CARBURETOR FLANGE AND GENERATOR.



The 9/16 hexagon end is properly designed to reach both flange bolt nuts with carburetor and intake manifold in place on engine. It allows carburetor flange bolts to be tightened in place or the carburetor to be taken off or put on without disturbing the intake manifold.

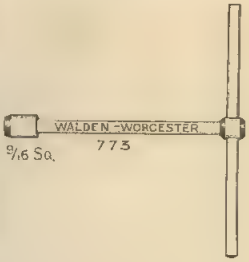
The ⅝ end for generator gives sufficient length of shank to clear breather pipe and commutator. The other end is so designed that the end will clear both radiator shell and fan, thus permitting the generator cap screws to be tightened with ease and convenience. Socket sizes 9/16 and ⅝ inch; length overall 9⅞ inch.

No. 771. Wt., 15 ozs.....Each **$0 80**

All above, five in a box.

FOR FORD CARS.

MAIN BEARING TEE HANDLE.



This wrench is so designed that it may be used on the center main bearing with the motor assembled and on the front main bearing when the motor is out.

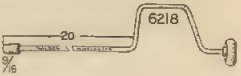
No. 773. Socket, 9/16 inch square; length overall, 10 inches. Wt. each, 1½ lbs. .....Each **$1 50**

SHORT SHANK SPEEDER.

Used on: Crank case lower cover, differential drive gear, muffler, rear axle housing, steering tube flange. Socket size, ½ in.; shank, 8 in.; length overall, 13 7/16 inches.

No. 6064. Wt., 1⅛ lbs.....Each **$0 80**

LONG SHANK SPEEDER.



Used on radiator support nut, front fender iron (side). Socket size, 9/16 in.; length overall 28¾ in.

No. 6218. Wt. 2¼ lbs.....Each **$1 25**

All above, five in a box.

SOCKET WRENCHES.

WALDEN-WORCESTER.

WHEEL ASSEMBLY.

For Ford Wheels.

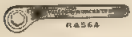
Covers a demand for a single, substantial, serviceable wrench for assembling wheels on a Ford car. A brace (speed wrench), with two sockets, each having two broached openings to take four parts, front hub cone and axle nut, hub cap and rear axle nut.

Extreme length, 18⅝ in.; 9/16 in. diameter; 6 in leverage; 12 in. sweep; swivel handles on each end adjoining socket.

No. 1490. Wt. each, 3¾ lbs. Each **$2 75**

One in a box

RATCHET.



Used on Ford brake and reverse transmission bands.

No. R4564. Hexagon opening, 11/16 inch; length overall, 6⅝ inches. Wt. each, 4 ozs. ..... Each **$0 55**

NUT AND BOLT SPEEDERS.

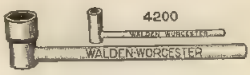
The extension socket holds either the nut or bolt head while the operator spins it off. Extension arm is adjustable for different bolt lengths.

No. 6316. Used on rear axle housing bolt and nut. Socket sizes ½ in. and ½ in.; length overall, 20¼ in. Wt. each, 2½ lbs. ..... Each **$3 00**

No. 6318. Used on ball socket bolt, crank case arm bolt (side), muffler support bolt, steering post bracket bolt, steering yoke clamp bolt, transmission cover. Socket sizes 9/16 in. and 9/16 in.; length overall, 20¼ in. Wt each, 2⅝ lbs. ..... Each **$3 00**

All above, five in a box.

SINGLE END OFFSET—1 SOCKET.



Sockets on Nos. 4214 to 4226 inclusive are of Chrome Nickel Steel, heat treated, white nickel finish. Other sizes, plain lacquer finish.

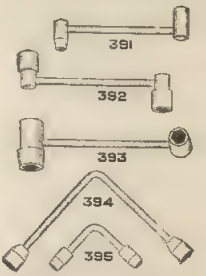
HEAVY DUTY OFFSET SOCKET WRENCHES
4200 SERIES

4200 SERIES		WITH BOLT SIZES			DIMENSIONS				WEIGHTS		
STOCK NO.	SOCKET SIZE	S.A.E. Nuts & Cap Screws	U.S. STAND. NUTS	U.S.S. CAP SCREWS	HANDLES	O.D. SOCKET	LENGTH SOCKET	CLEARANCE—HANDLE	COMPLETE	SOCKET ONLY	LIST PRICES
4214	7/16	1/4		1/4	3/8-8	3/4	2	1 1/8	64	28	.70
4216	1/2	5/16	1/4	5/16	7/16-8	15/16	2	1 5/16	81	33	.75
4218	9/16	3/8		3/8	1/2-8	7/8	2	1 1/32	86	38	.80
4219	19/32		5/16		1/2-8	5/16	2	1 1/32	94	44	.85
4220	5/8	7/16		7/16	9/16-10	1	2	1 3/32	.23	50	.85
4222	11/16		3/8		9/16-10	1 1/16	2	1 3/32	130	57	.90
4224	3/4	1/2		1/2	9/16-10	1 3/8	2	1 1/4	140	64	.95
4225	25/32		7/16		9/16-10	1 7/16	2	1 1/4	145	71	1.00
4226	13/16			9/16	9/16-10	1 1/4	2	1 1/4	155	79	1.00
4228	7/8	9/16	1/2	5/8	5/8-10	1 3/4	2 1/4	1 3/8	1.40	50	1.10
4230	15/16	5/8			5/8-10	1 3/4	2 1/4	1 3/8	1.50	60	1.10
4231	15/32		9/16		5/8-10	1 3/4	2 1/4	1 3/8	1.50	60	1.30
4232	1	11/16		3/4	5/8-12	1 3/4	2 1/2	1 5/32	60	60	1.40
4234	1 1/16	3/4	5/8		5/8-12	1 3/4	2 1/2	1/2	2.00	75	1.65
4236	1 1/8			7/8	5/8-12	1 3/4	2 5/8	1 5/32	2.10	85	1.80
4238	1 3/16				5/8-12	1 3/4	3	2 1/32	2.50	1.25	1.95
4240	1 1/4	7/8	3/4	1	3/4-5	1 3/4	3	2	3.00	1.25	2.20
4242	1 5/16				3/4-10	2 1/4	3 1/4	2 1/4	3.50	1.65	2.30
4244	1 3/8			1 1/8	3/4-10	2 1/4	3 1/4	2 1/4	3.50	1.65	2.50
4246	1 7/16	1	7/8		3/4-10	2 1/4	3 1/4	2 1/4	4.75	1.80	3.00
4248	1 1/2			1 1/4	7/8-10	2 1/4	3 1/4	2 1/4	4.75	1.80	3.00
4250	1 9/16				7/8-10	2 1/4	3 1/4	2 1/4	3.50	2.45	3.50
4252	1 5/8	1 1/8	1		7/8-10	2 1/4	3 1/4	2 1/4	3.50	2.45	3.50
4254	1 11/16				7/8-10	2 1/4	3 1/4	2 1/4	6.00	2.85	4.00
4256	1 3/4				1-20	2 1/4	3 1/4	2 1/4	7.25	2.85	4.50
4258	1 13/16	1 1/4	1 1/8		1-20	2 1/4	3 1/4	2 1/4	7.25	2.85	4.50
4260	1 7/8				1-12	2 1/16	4 3/4	3 1/16	9.00	3.50	5.00
4264	2	1 5/8	1 1/4		1-12	2 1/16	4 3/4	3 1/16	9.50	4.00	5.00

Open stock.

L TYPE—2 SOCKETS.

No. 752. Shanks 8x8 inches. Socket sizes, 9/16 and 11/16 inch. Wt., 1 lb. 1 oz. ..... Each **$0 80**



DOUBLE END OFFSET—2 SOCKETS.

No. 391. Length overall, 8 3/16 in.; socket sizes, ⅝ and ½ inch. Wt., ¾ lb. ..... Each **$0 80**

No. 392. Length overall, 10⅛ in.; socket sizes, ⅞ and 13/16 inch. Wt., 1¼ lbs. ..... Each **$1 10**

DOUBLE END OFFSET—4 SOCKETS.

No. 393. Double End Offset Wrench. Length overall, 10⅜ in; socket sizes, ¾, 25/32, 1 1/16 and 15/16 in. Wt., 2 lbs. 1 oz. ..... Each **$1 80**

L TYPE—2 SOCKETS.

No. 394. Shanks, 8x8 inches Socket sizes, ¾ and ⅞ inch. Wt., 1⅜ lbs. ..... Each **$0 85**

No. 395. Shanks, 4x4 inches Socket sizes, ½ and 9/16 inches. Wt., ½ lb. ..... Each **$0 70**

DOUBLE END OFFSET—2 SOCKETS.

No. 762. Length overall, 10¾ inches; socket sizes, 1 1/16 and 1 inch. Wt., 1¾ lbs. ..... Each **$1 35**

All above, five in a box.

WRENCHES.

WALDEN-WORCESTER.

L TYPE—2 SOCKETS.

No. 852. Shanks, 8x8 inches. Socket sizes, 7/16 and ½ inch. Wt., 13½ ozs. .....Each **$0 80**

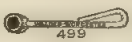
DOUBLE END OFFSET—2 SOCKETS.

No. 653. Length overall, 9 1/16 inches; socket sizes, ⅞ and ¾ inch. Wt., 1 3/16 lbs. .....Each **$0 80**

DOUBLE END OFFSET—3 SOCKETS.

No. 444. Length overall, 9 3/16 inches; socket sizes, ½, 9/16 and ⅝ inch. Wt., 15 ozs. .....Each **$0 85**

SINGLE END OFFSET—1 SOCKET.



No. 499. Socket size, 9/16 inch; length overall, 5 1/16 inch. Wt., 3 ozs. .....Each **$0 50**

SINGLE END OFFSET—1 SOCKET.

No. 498. Socket size, 7/16 inch; length overall, 5 1/16 inch. Wt., 2½ ozs. .....Each **$0 50**

All above, five in a box.

TEE HANDLE.

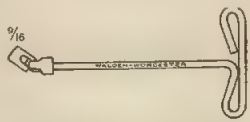
Useful on such places as cylinder heads, oil pan to base, intake and exhaust manifold clamps, timing gear cases, water inlet and outlet, differential housing front and rear, tie rod clevises, valve cover plates, rocker arm supports (Buick Cars), transmission covers.

Handles, 6 in.

No. 2714.	Size 7/16 in....Each	**$0 65**
No. 2716.	Size ½ in.....Each	**65**
No. 2718.	Size 9/16 in. ...Each	**65**
No. 2719.	Size 19/32 in....Each	**65**
No. 2720.	Size ⅝ in. .....Each	**65**
No. 2722.	Size 11/16 in. ..Each	**65**
No. 2724.	Size ¾ in. .....Each	**65**
No. 2725.	Size 25/32 in. ..Each	**65**
No. 2726.	Size 13/16 in....Each	**65**
No. 2728.	Size ⅞ in. .....Each	**65**

Average wt. each, 1¼ lbs. Five in a box.

TEE-FLEX.



Universal Joint Tee Handle.

The "Tee-Flex" series has the added advantage of operating in difficult and seemingly impossible places gained by the use of a universal joint built integral with the tool and toughened by the proper heat treatment. On such inaccessible parts as cylinder to base nuts this tool is unequaled.

No. 1016. Socket ½ in., length 12¾ in. Wt., 1¼ lbs. .....Each **$2 25**

No. 1018. Socket 9/16 in., length 12¾ in. Wt., 1¼ lbs.....Each **$2 25**

No. 1020. Socket ⅝ in., length 12¾ in. Wt., 1⅝ lbs. .....Each **$2 25**

No. 1022. Socket 11/16 in., length 12¾ in. Wt., 1¼ lbs.....Each **$2 25**

No. 1024. Socket ¾ in., length 12¾ in. Wt., 1⅝ lbs. ... .Each **$2 50**

Five in a box.

SPEED TYPE.

Hexagon.

Used as speed tools in assembling and are particularly popular and effective tools on motor car work and dismantling all kinds of machinery. Length overall, 19 inches; shank 10¾ inches.

No. 6014. 7/16 inch. Wt., 1¼ lbs. .....Each **$0 90**

No. 6016. ½ inch. Wt., 1 5/16 lbs. .....Each **90**

No. 6018 9/16 inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6019. 19/32 inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6020. ⅝ inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6022. 11/16 inch. Wt., 1⅜ lbs. .....Each **$0 90**

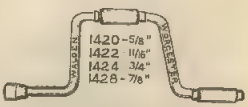
No. 6024. ¾ inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6025. 25/32 inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6026. 13/16 inch. Wt., 1⅜ lbs. .....Each **$0 90**

No. 6028. ⅞ inch. Wt., 1 13/16 lbs. .....Each **$0 90**

BRACE RIM.



No.	Size, in.	Length, ins	Wt., lbs.	Each
1420	5/8	15½	1¾	**$1 10**
1422	11/16	15½	1¾	**1 10**
1424	3/4	15½	1¾	**1 10**
1426	13/16	15½	1¾	**1 10**
1428	7/8	15½	1¾	**1 10**

All above, five in a box.

WRENCHES.
WALDEN-WORCESTER.
RIM.

Heavy Duty—Four Socket.

Made of heavy stock and with a long sweep; solid steel grip on end and a steel grip in center.

Can be used either as a speed wrench or as an offset. If used as an offset it is an ideal wrench for badly rusted nuts or for final tightening, because its construction allows the swinging of the handle at any angle in either direction without removing the socket from the nut.

Socket sizes: ⅝ inch, 11/16 inch, ¾ inch and ⅞ inch.

No. 1453. Wt., 3¼ lbs.....Each **$3 50**

DOUBLE END SPARK PLUG.

Pressed steel and case hardened, two sizes in one; 1/64 inch over size of spark plug.

No. 2933. Sizes ⅞ and 1 inch. Wt., 11 oz. .....Each **$0 45**

No. 2937. Sizes ⅞ and 1⅛ inch. Wt., 11½ ozs. .....Each **$0 45**

RATCHET.

Heavy Duty.

Scientifically designed, with coil spring holding pawl in place against teeth; forged handle. Opening ½ in.; length overall, 10½ inches.

No. OR916. Wt., 1½ lbs...Each **$2 00**

Five in a package.

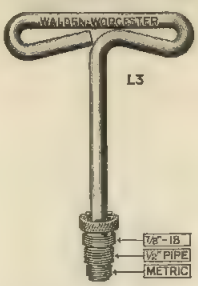
WRENCH HANDLES.
RATCHET SOCKET.

An efficient and inexpensive ratchet handle fitting all sizes of sockets. To reverse ratchet simply turn the tool over. Dead black finish.

No 355. Length 8 inches. Wt. each, ¾ lb. .....Each **$1 25**

One in a box.

LIFTING TOOLS.
WALDEN-WORCESTER.



Cylinder Head.

A tool which enables the user to lift the cylinder head from the block without damage to gaskets or surrounding parts.

To use, take out spark plugs and screw the lifting tool into the spark plug opening. The ratchet action enables one to do this easily and also, in tightening, to avoid obstructions in the way of the handle by changing from one slot to another

Although used and sold in pairs, there is just one size with three different threads, metric, ½ inch pipe and ⅞ inch—18, which will fit all spark plug holes. Shank, 6¾ inches; handle, 5 inches.

No. L3. Wt. each, 13 ozs...Each **$1 00**

SOCKET WRENCH SETS.
BETHLEHEM.
QUICKWAY.

A general utility set; takes care of most nuts on Ford and other cars; a compact, powerful tool that will fit into the hard-to-get-at spot with a minimum of trouble; the strong hexagon handle takes all six sockets and gives great leverage.

Sockets are turned on screw machine from high-carbon steel and are so tapered inside that nuts seat easily but won't bind; they are case hardened and will give long service under the hardest conditions. Each set in a neat, convenient, leather-like case with snap fasteners.

Set No. B. Includes 6 socket sizes: 7/16, ½, 9/16, ⅝, 11/16 and ¾ inch. Wt. set, 1½ lbs.....Set **$1 00**

SOCKET WRENCH SETS.
BETHLEHEM.
QUICKWAY.

A small, neat, extremely efficient wrench set for special work on carburetors, magnetos, generators, etc. Just the thing for mechanics, electricians, repairmen and auto owners. Contains seven sockets and a detachable T-handle with ball check in the end. Socket sizes: 9/32 in.; 5/16 in.; 11/32 in.; ⅜ in.; 7/16 in.; 15/32 in. and ½ in. Nicely packed in individual box.

Set No. A. Wt., ½ lb.....Set **$1 50**

A larger set (with handle like Set B) covering a wider range of sizes; packed in individual box ready for immediate shipment. Eight sockets; 7/16 in.; ½ in.; 9/16 in.; ⅝ in.; 11/16 in.; ¾ in; ⅞ in. and 15/16 in.

Set No. C. Wt., 1½ lbs.....Set **$1 50**

Complete with ratchet handle, regular handle and extension bar. A wonderfully fast-selling set for the car owner for private work. Eight sockets: 7/16 in.; ½ in.; 9/16 in.; ⅝ in; 11/16 in.; ¾ in.; ⅞ in. and 1 5/16 in. Packed in individual box.

Set No. C Special. Wt., 2 lbs.Set **$2 75**

D 1

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

Blue Grass Cross Cut Saws are made of the same extra quality materials and the same infinite care characterizes their production as with other Blue Grass tools.

The needs of the lumbermen and the peculiarties of the different timbers have been carefully studied in order to make the Blue Grass Cross Cut saw a tool that in real use would respond readily and constantly to the demands of the user under any and all conditions.

All Blue Grass Cross Cut saws are ground an even gauge throughout the entire tooth edge, and then tapered to a extra thin back, which insures quick cutting and ease of operation, with just the right flexibility and stiffness to prevent buckling.

Each saw is beautifully polished and etched—altogether a tool in a class by itself unequaled in appearance—unapproachable in performance, and covered from tip to tip with our guarantee.

Extra quality crucible spring steel, evenly tempered, polished and etched. Ground gradually thinner from teeth to back, filed and set ready for use.

—BLUE GRASS—

Canadian, Lance Tooth, Perforated, 14 gauge at tooth edge, 19 gauge at center of back, extra thin back.

Nos.	6-5½	6-6	6-6½
Length, ft	5½	6	6½
Width at center, ins	6¾	6½	6⅝
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	6	6	7½
Each	$16 05	17 25	18 76

Shipped fastened to board.

—BLUE GRASS—

Rainbow, Canadian, Lance Tooth, Perforated, 14 gauge at tooth edge, 18 gauge at center of back, thin back.

Nos.	5-5½	5-6
Length, ft	5½	6
Width at center, ins	5¾	6¼
Width at ends, ins	3½	3¾
Wt each about, lbs	5	6
Each	$15 75	16 80

Shipped fastened to board.

—BLUE GRASS—

Polished. Half Wide. Lance Tooth, 14 gauge at tooth edge, 18 gauge at center of back, thin back.

Nos.	16-5	16-5½	16-6	16-6½	16-7
Length, ft	5	5½	6	6½	7
Width at center, ins	5⅛	5½	5⅝	5¾	6
Width at ends, ins	3	3	3¼	3¼	3¼
Wt each about, lbs	4	6	7¼	8½	9¼
Each	$11 70	15 00	16 35	17 25	18 45

Shipped fastened to board.

—BLUE GRASS—

Lance Tooth, 14 gauge at tooth edge, 19 gauge at center of back, extra thin back.

Nos.	1-5½	1-6	1-6½	1-7
Length, ft	5½	6	6½	7
Width at center, ins	6½	7	7¾	8
Width at ends, ins	3½	3½	3½	3½
Wt each about, lbs	6½	7¼	8½	9¼
Each	$13 20	14 40	15 75	16 80

Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

Extra quality crucible spring steel, evenly tempered, etched. Ground gradually thinner from teeth edge to back; filed and set ready for use.

Polished. Half Wide. Diamond Tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	14-5	14-5½	14-6	14-6½
Length, ft	5	5½	6	6½
Width at center, ins	5⅛	5½	5⅝	5¾
Width at ends, ins	3	3	3⅛	3¼
Wt each about, lbs	4	5¼	6	6⅝
Each	$11 55	13 05	14 25	15 30

Shipped fastened to board.

—BLUE GRASS—

Polished. Tuttle Tooth.

Length, ft		5	5½	6	6½
Width at center, ins		6¾	6⅞	7	7⅛
Width at ends, ins		3	3¼	3¼	3⅜
Wt each about, lbs		5½	6	7¼	8⅛
14-18 Gauge	Nos.	8-5	8-5½	8-6	-------
	Each	$10 05	10 95	12 00	-------
14-19 Gauge	Nos.		9-5½	9-6	9-6½
	Each		$12 00	13 20	14 25
14-20 Gauge	Nos.		11-5½	11-6	-------
	Each		$14 25	15 75	-------

Shipped fastened to board.

NARROW CROSS CUT SAWS

Handles must be ordered separate from saws.

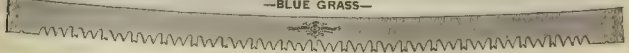
—BLUE GRASS—

Extra quality spring steel, evenly tempered, etched, filed and set, ready for use. Designed for small timber.

Polished. Canadian Lance Tooth, perforated, width at ends and center 3¼ ins.

Length, ft		5	5½	6
Wt each about, lbs		3	3¼	3½
14 Gauge throughout	Nos.	5-05	5-05½	5-06
	Each	$7 05	7 95	9 00
14-16 Gauge, Thin Back	Nos.	6-05	6-05½	6-06
	Each	$8 40	9 00	9 60

—BLUE GRASS—



Polished. Tuttle Tooth, 14 gauge throughout, width at ends and center 3¼ ins.

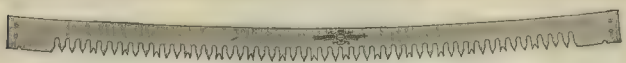
Nos.	0-5	0-5½	0-6
Length, ft	5	5½	6
Wt each about, lbs	3	3¼	3½
Each	$5 25	5 70	6 30

NARROW CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

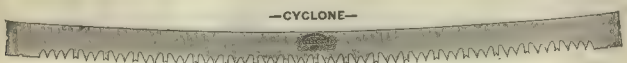
Extra quality spring steel, evenly tempered, etched, filed and set, ready for use. Designed for small timber.



Polished. Diamond Tooth, 14 gauge throughout, width at ends and center 3¼ ins.

Nos.	2-05	2-05½	2-06
Length, ft	5	5½	6
Wt each about, lbs	3	3½	3½
Each	$6 45	6 90	7 65

—CYCLONE—



First quality steel, tempered, polished and etched; filed and set, ready for use.

Polished. Tuttle Tooth, 14 gauge throughout, width at ends and center 3¼ ins.

Nos.	10-5	10-5½	10-6
Length, ft	5	5½	6
Wt each about, lbs	3	3½	3½
Each	$4 20	4 50	4 95

All of above saws shipped fastened to board.

BROAD CROSS CUT SAWS

Handles Must Be Ordered Separate From Saws.

DISSTON

First quality crucible steel, evenly tempered, polished and etched; ground gradually thinner from teeth to back; filed and set, ready for use.

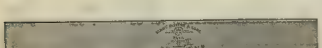
DISSTON SUWANEE

Lance Tooth, Perforated. 14 gauge at tooth edge, 20 gauge at back. Being 6 gauges thinner on back than on cutting edge, insures free running and fast cutting.

Nos.	$5½	$6	$6½
Length, ft	5½	6	6½
Width at center, ins	6¼	7	7¾
Width at ends, ins	3¼	3¼	3⅜
Wt each, lbs	5½	7	8
Each	$20 25	22 50	26 25

Shipped fastened to board.

DISSTON BUZZ



Lance Tooth, Perforated. 14 gauge at tooth edge, 19 gauge at back. 5 gauges thinner on back than on cutting edge.

Nos.	470-5½	470-6	470-6½
Length, ft	5½	6	6½
Width at center, ins	5¾	6	6½
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	6	7	8
Each	$20 25	22 50	26 25

Shipped fastened to board.

DISSTON

Lancet Tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	363-5½	363-6
Length, ft	5½	6
Width at center, ins	6⅞	7⅛
Width at ends, ins	3½	3⅝
Wt each about, lbs	6½	8
Each	$16 50	18 00

Shipped fastened to board.

DISSTON

Tuttle Tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	DT18-5½	DT18-6
Length, ft	5½	6
Width at center, ins	7	7¼
Width at ends, ins	3½	3½
Wt each about, lbs	6½	8
Each	$14 25	15 75

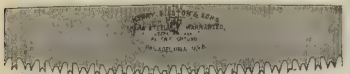
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles Must Be Ordered Separate From Saws.

DISSTON

First quality crucible steel, evenly tempered, polished and etched; ground gradually thinner from teeth to back; filed and set, ready for use.

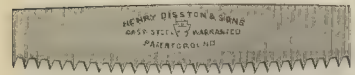


Champion Tooth, 14 gauge at tooth edge, 16 gauge at center of back; thin back.

Nos.	2-5½	2-6	2-6½
Length, ft	5½	6	6½
Width at center, ins	7	7¾	7⅞
Width at ends, ins	3⅛	3⅛	3⅛
Wt each about, lbs	6½	8	8½
Each	$12 75	14 25	15 00

Shipped fastened to board.

DISSTON

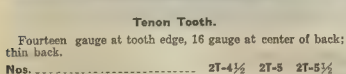


Plain or Peg Tooth, 14 gauge at tooth edge, 16 gauge at center of back; thin back.

Nos.	2P-5½	2P-6
Length, ft	5½	6
Width at center, ins	7	7¼
Width at ends, ins	3⅜	3⅜
Wt each about, lbs	5½	7
Each	$12 75	14 25

Shipped fastened to board.

DISSTON



Tenon Tooth.

Fourteen gauge at tooth edge, 16 gauge at center of back; thin back.

Nos.	2T-4½	2T-5	2T-5½
Length, ft	4½	5	5½
Width at center, ins	6½	6¾	7
Width at ends, ins	3⅜	3⅜	3⅜
Wt each about, lbs	4½	5½	5½
Each	$10 50	12 00	12 75

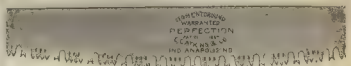
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles Must Be Ordered Separate From Saws.

ATKINS

High grade saw steel, thoroughly tempered, polished and etched; ground gradually thinner from teeth to back; filed and set, ready for use.



Perfection Tooth, Perforated.

Silver steel; perfection tooth, perforated, **Segment Ground;** 14 gauge at tooth edge, 20 gauge at center of back; extra thin back.

Nos.	5A-5½	5A-6	5A-6½
Length, ft	5½	6	6½
Width at center, ins	6⅞	7	7⅛
Width at ends, ins	3⅛	3⅛	3⅛
Wt each about, lbs	6	7	7½
Each	$19 80	23 10	26 70

Shipped fastened to board.

ATKINS

Perfection Lance Tooth, Perforated.

Silver steel; perfection lance tooth, perforated, **Half Wide Segment Ground;** 14 gauge at tooth edge, 20 gauge at center of back; extra thin back.

Nos.	4-5½	4-6
Length, ft	5½	6
Width at center, ins	5⅝	6
Width at ends, ins	3¼	3¼
Wt each about, lbs	6	6
Each	$19 80	23 10

Shipped fastened to board.

ATKINS

Tuttle Tooth.

Peerless—Silver steel; Tuttle tooth, half wide, 14 gauge at tooth edge, 20 gauge at center of back; extra thin back.

Nos.	3A-5½	3A-6
Length, ft	5½	6
Width at center, ins	5½	6
Width at end, ins	3¼	3¼
Wt each about, lbs	6	6
Each	$19 80	23 10

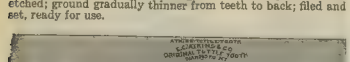
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

High grade saw steel, thoroughly tempered, polished and etched; ground gradually thinner from teeth to back; filed and set, ready for use.



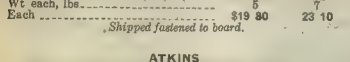
Tuttle Tooth.

Atkins Silver Steel; ground extra thin back. 14 gauge at tooth edge, 20 gauge at center of back.

Nos.	517-5½	517-6
Length, ft	5½	6
Width at center, ins	6⅞	7
Width at ends, ins	3¼	3¼
Wt each, lbs	5	7
Each	$19 80	23 10

Shipped fastened to board.

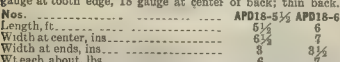
ATKINS



Dexter Tooth Pointer, special steel; Dexter tooth; 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	APD18-5½	APD18-6
Length, ft	5½	6
Width at center, ins	6¾	7
Width at ends, ins	3	3¼
Wt each about, lbs	6	7
Each	$15 00	16 50

Shipped fastened to board.

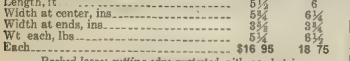


Dexter Tooth, Moss Back—High grade special steel; Dexter tooth; 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	276-5½	276-6
Length, ft	5½	6
Width at center, ins	5¾	6¼
Width at ends, ins	3⅝	3¾
Wt each, lbs	5¾	6½
Each	$16 95	18 75

Packed loose; cutting edge protected with wood strip.

PERFECTION FALLING



Perfection Tooth, Perforated.

Silver steel; perfection tooth, perforated; 14 gauge at toothed edge; 17 gauge at center of back; extra thin back.

Nos.	12-5	12-5½	12-6
Length, ft	5	5½	6
Width at center, ins	4½	4⅝	5¼
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	3¾	4½	5
Each	$18 00	19 80	23 10

Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

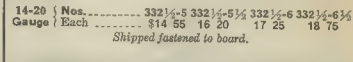
High grade saw steel, thoroughly tempered, polished and etched; ground gradually thinner from teeth to back; filed and set, ready for use.

ATKINS

Tuttle Tooth—Special steel; ground thin.

Length, ft	5	5½	6	6½
Width center, ins	6¾	6⅞	7	7⅛
Width ends, ins	3	3¼	3¼	3½
Wt each, lbs	4¾	5	7	8
14-19 Gauge Nos.		332-5½	332-6	332-6½
14-19 Gauge Each		$15 00	16 20	17 25
14-18 Gauge Nos.	331-5	331-5½	331-6	331-6½
14-18 Gauge Each	$12 60	13 80	15 00	16 50
14-20 Gauge Nos.	332½-5	332½-5½	332½-6	332½-6½
14-20 Gauge Each	$14 55	16 20	17 25	18 75

Shipped fastened to board.

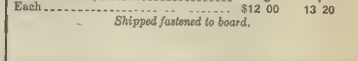


Tuttle Tooth—Hero, special steel; Tuttle tooth; 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	AHT18-5½	AHT18-6
Length, ft	5½	6
Width at center, ins	6⅞	7
Width at ends, ins	3¼	3¼
Wt each about, lbs	5	7
Each	$12 00	13 20

Shipped fastened to board.

ATKINS



Dexter Tooth—Special steel; Dexter tooth; 14 gauge at tooth edge, 19 gauge at center of back; extra thin back.

Nos.	220A-5½	220A-6	220A-6½
Length, ft	5½	6	6½
Width at center, ins	6⅛	7	7⅜
Width at ends, ins	3¼	3¼	3½
Wt each about, lbs	6	7	8½
Each	$16 20	18 00	19 20

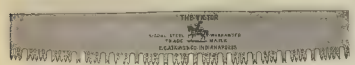
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

High grade saw steel, Atkins tempered, polished and etched, ground gradually thinner from teeth to back, filed and set, ready for use.



Victor Tooth, Perforated—14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	225-5½	225-6
Length, ft	5½	6
Width at center, ins	6¾	6¾
Width at ends, ins	4	4
Wt each about, lbs	5	6
Each	$17 55	19 05

Shipped fastened to board.

ATKINS

Diamond Tooth—14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	222-5½	222-6
Length, ft	5½	6
Width at center, ins	6½	7
Width at ends, ins	3¼	3½
Wt each about, lbs	5	6
Each	$15 00	16 50

Shipped fastened to board.

ATKINS

Diamond Tooth, Lone Star—14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	223-5½	223-6	223-6½
Length, ft	5½	6	6½
Width center, ins	5½	5⅝	5¾
Width ends, ins	3	3	3
Wt each about, lbs	5	6	6½
Each	$15 00	16 50	17 70

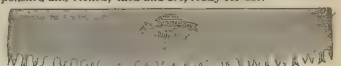
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

SIMONDS

High grade crucible steel; **radial** ground and tempered, polished and etched, filed and set, ready for use.

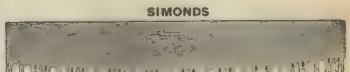


Champion Tooth—14 gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	13-5	13-5½	13-6
Length, ft	5	5½	6
Width at center, ins	6	6¾	7
Width at ends, ins	3½	3¾	3¼
Wt each about, lbs	5¾	6	7½
Each	$17 25	19 80	23 25

Shipped fastened to board.

SIMONDS

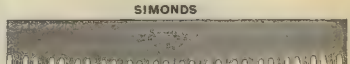


Lance Tooth, Perforated—14 gauge at tooth edge, 16 gauge on back at ends, 19 ga on back at center; extra thin back.

Nos.	22-5	22-5½	22-6	22-6½	22-7
Length, ft	5	5½	6	6½	7
Width at center, ins	6	6¾	7	7⅜	7¾
Width at ends, ins	3½	3¼	3¾	3½	3¾
Wt each about, lbs	5½	7¾	8½	9½	
Each	$17 25	19 80	23 25	26 70	30 00

Shipped fastened to board.

SIMONDS



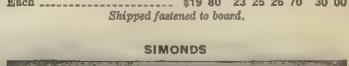
Mississippi Pattern, Diamond Tooth.

Fourteen gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	316-5½	316-6	316-6½	316-7
Length, ft	5½	6	6½	7
Width at center, ins	5⅝	5¾	6¾	6¾
Width at ends, ins	3¼	3¼	3¼	3¼
Wt each about, lbs	5	6	7	8
Each	$19 80	23 25	26 70	30 00

Shipped fastened to board.

SIMONDS



Mississippi Pattern, Lance Tooth, Perforated.

Fourteen gauge at tooth edge, 16 gauge on back at ends; 19 gauge on back at center; extra thin back.

Nos.	324-5½	324-6	324-6½	324-7
Length, ft	5½	6	6½	7
Width at center, ins	5⅝	5¾	6¾	6¾
Width at ends ins	3¼	3¼	3¼	3¼
Wt each about, lbs	5	6	7	8
Each	$19 80	23 25	26 70	30 00

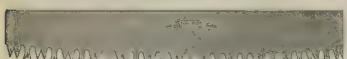
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from the saws.

SIMONDS

High grade crucible steel, crescent ground and tempered, polished and etched, filed and set, ready for use.



Mississippi Pattern, Champion Tooth.

Fourteen gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center, extra thin back.

Nos.	326-6	326-6½	326-7
Length, ft	6	6½	7
Width at center, ins	5⅞	6⅛	6⅜
Width at ends, ins	3¼	3⅜	3½
Wt each about, lbs	6½	7½	6⅝
Each	$23 25	26 70	30 00

Shipped fastened to board.

SIMONDS

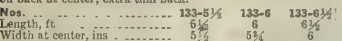
Lance Tooth, Perforated.

14 gauge at tooth edge; 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	133-5½	133-6	133-6½
Length, ft	5½	6	6½
Width at center, ins	5⅞	5¾	6
Width at ends, ins	3⅛	3¼	3⅜
Wt each about, lbs	4½	5	5½
Each	$19 80	23 25	26 70

Shipped fastened to board.

SIMONDS



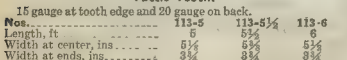
Tuttle Tooth.

15 gauge at tooth edge and 20 gauge on back.

Nos.	113-5	113-5½	113-6
Length, ft	5	5½	6
Width at center, ins	5½	5⅝	5¾
Width at ends, ins	3¼	3⅜	3½
Wt each, lbs	4¼	5	5¾
Each	$18 00	19 80	23 25

Shipped fastened to board.

SIMONDS, BAY STATE



Tuttle Tooth, Half Wide.

High grade crucible steel, evenly tempered, polished and etched, carefully filed and set, ready for use. Fourteen gauge at tooth, eighteen gauge at back.

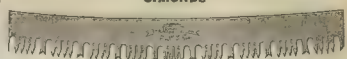
Nos.	200-5	200-5½	200-6
Length, ft	5	5½	6
Width at ends, ins	3¼	3⅜	3¾
Width at center, ins	5⅝	5¾	6⅛
Wt each about, lbs	4½	5	6¼
Each	$13 50	15 00	16 60

Shipped fastened to board.

NARROW CROSS CUT SAWS

Handles must be ordered separate from the saws.

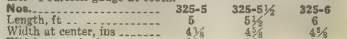
SIMONDS



Lance Tooth, Perforated. High grade crucible steel, evenly tempered, polished and etched, carefully filed and set, ready for use. Fourteen gauge at tooth.

Nos.	325-5	325-5½	325-6
Length, ft	5	5½	6
Width at center, ins	4⅜	4⅝	4⅝
Width at ends, ins	3¼	3⅜	3½
Wt each about, lbs	3½	4	5
Each	$17 25	19 80	23 25

SIMONDS, BAY STATE

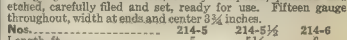


Lance Tooth, Perforated.

High grade crucible steel, evenly tempered, polished and etched, carefully filed and set, ready for use. Fifteen gauge throughout, width at ends and center 3¾ inches.

Nos.	214-5	214-5½	214-6
Length, ft	5	5½	6
Wt each, lbs	3¾	4½	4¾
Each	$9 00	9 75	10 80

SIMONDS, BAY STATE

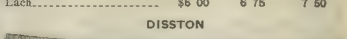


Diamond Tooth.

High grade crucible steel, evenly tempered, polished and etched, carefully filed and set, ready for use. Fifteen gauge throughout, width at ends and center 3⅞ inches.

Nos.	212-5	212-5½	212-6
Length, ft	5	5½	6
Wt each, lbs	3	3½	4
Each	$6 00	6 75	7 50

DISSTON



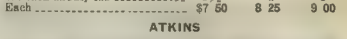
Champion Tooth.

First quality crucible steel, evenly tempered, polished and etched, carefully filed and set, ready for use.

Fourteen gauge. Width at ends and center 3¼ inches.

Nos.	286-5	286-5½	286-6
Length, ft	5	5½	6
Wt each about, lbs	3½	4	5
Each	$7 50	8 25	9 00

ATKINS



Victor Tooth, Perforated.

Special saw steel, evenly tempered, polished and etched, filed and set, ready for use.

Fourteen gauge. Width at ends and center 3¼ inches.

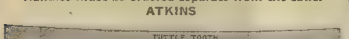
Nos.	386-5	386-5½	386-6
Length, ft	5	5½	6
Wt each about, lbs	3½	4	4½
Each	$8 55	9 45	10 20

All above shipped fastened to board.

NARROW CROSS CUT SAWS

Handles must be ordered separate from the saws.

ATKINS



Tuttle Tooth.

High grade saw steel, evenly tempered, polished and etched, ground gradually thinner from teeth to back, filed and set, ready for use.

Fourteen gauge. Width at ends and center 8½ inches.

Nos.	379-5	379-5½	379-6
Length, ft	5	5½	6
Wt each about, lbs	3½	4	4½
Each	$7 50	7 95	8 25

Shipped fastened to board.

ONE MAN CROSS CUT SAWS

—BLUE GRASS—

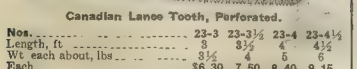
Special steel, evenly tempered, polished and etched; filed and set, ready for use. Beechwood handle, varnished edges, one supplementary handle. Thin back.

Canadian Lance Tooth, Perforated.

Nos.	23-3	23-3½	23-4	23-4½
Length, ft	3	3½	4	4½
Wt each about, lbs	3½	4	5	6
Each	$6 30	7 50	8 40	9 15

Twenty-five in wood case.

—BLUE GRASS—



Tuttle Champion Tooth, Crown Point.

Nos.	20-3	20-3½	20-4	20-4½
Length, ft	3	3½	4	4½
Wt each about, lbs	3½	4	5	6
Each	$6 30	7 50	8 70	9 45

Twenty-five in wood case.

—CYCLONE—

Tuttle-Champion Tooth. Crown Point.

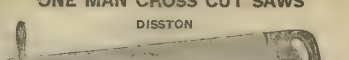
Cast steel, tempered; polished and etched; filed and set, ready for use. Beechwood handles, plain sides; varnished edges; one supplementary handle; polished ferrule; thin back.

Nos.	220-2½	220-3	220-3½	220-4	220-4½
Length, ft	2½	3	3½	4	4½
Wt each, lbs	3	3½	4	5	6
Each	$3 90	4 65	5 55	6 15	6 90

Twenty-five in wood case.

ONE MAN CROSS CUT SAWS

DISSTON



Champion Tooth.

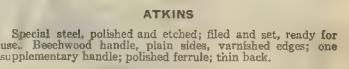
First quality crucible steel, tempered, polished and etched; filed and set, ready for use. Beechwood handles, plain sides, varnished edges; one supplementary handle; polished ferrule; thin back.

Nos.	DT-3	DT-3½	DT-4	DT-4½
Length, ft	3	3½	4	4½
Wt each, lbs	3½	4	5	6
Each	$8 25	9 75	11 25	12 75

Twenty-five in wood case.

ATKINS

Special steel, polished and etched; filed and set, ready for use. Beechwood handle, plain sides, varnished edges; one supplementary handle; polished ferrule; thin back.

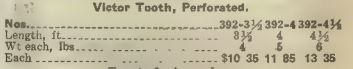


Victor Tooth, Perforated.

Nos.	392-3½	392-4	392-4½
Length, ft	3½	4	4½
Wt each, lbs	4	5	6
Each	$10 35	11 85	13 35

Twenty-five in wood case.

ATKINS



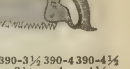
TuttleTooth.

Nos.	390-3	390-3½	390-4	390-4½
Length, ft	3	3½	4	4½
Wt each, lbs	3½	4	5	6
Each	$7 95	9 00	10 50	12 00

Twenty-five in wood case.

CORDWOOD SAWS

CURTISS SAW CO.



Cordwood Quality.

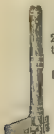
Diameter hole 1⅝ inches. To be used on wood sawing machines shown in Dept. 2.

Regularly supplied with 1⅝ inch mandrel hole. Can furnish any other size mandrel hole without extra charges; shipment from factory only.

Diam, ins	24	26	28	30
Gauge	11	11	10	10
Wt each, lbs	14	16	20	25
Each	$9 75	11 40	13 50	15 00

Crated.

CROSS CUT SAW HANDLES



—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; 2¾ inch japanned malleable iron clasp, XC bolt and thumb nut.

Per 100 Pair

No. 47—Reversible, length 15½ ins; diam 1¼ ins $127 80

Fifty pair in wood box; wt per pair 1⅜ lbs.

—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; heavy japanned malleable iron bell ferrule and revolving washer; steel loop with 4½ inch slot.

Per 100 Pair

No. 48—Length 12 ins; diam 1¼ ins $137 70

Fifty pair in wood box; wt per pair 2 lbs.

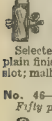
—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; plain finish; japanned malleable iron clasp; steel bolt and malleable thumb nut.

Per 100 Pair

No. 45—Reversible; length 14 ins; diam 1¼ ins $142 50

Fifty pair in wood box; wt per pair 1¾ lbs.



—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; plain finish; reversible washer; steel loop, with 8⅜ in. slot; malleable nut forms end cap; steel ferrule.

Per 100 Pair

No. 46—Length 8¾ ins; diam 1⁵⁄₁₆ ins ..

Fifty pair in wood box; wt per pair 1 1⅜ lbs. $172 50

—PINE KNOT—

Selected hardwood handle, thoroughly seasoned; black japanned cast iron ferrule and washer; malleable iron loop with 4 inch slot.

Per 100 Pair

No. 40—Length 13 ins, diam 1¼ ins $120 00

Fifty pair in wood box; wt per pair 1 lb.

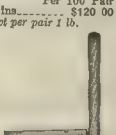
CLIMAX PATTERN

Hardwood handle, thoroughly seasoned; 2⅝ inch plain malleable iron clasp, malleable bolt, lock rivet and thumb nut.

Per 100 Pair

No. 7—Reversible; length 13 ins; diam 1¼ ins $91 50

100 pair in wood box; wt per pair 1⅜ lbs.



Hardwood handle, thoroughly seasoned; heavy japanned bell ferrule, and notched, revolving washer; malleable iron loop with 4½ inch slot.

Per 100 Pair

No. 8—Length 10½ ins, diam 1¼ ins $132 00

100 pair in wood box; wt per pair 2 lbs.

CROSS CUT SAW HANDLES

Hardwood handle, thoroughly seasoned; malleable iron ferrule, bracket, thumb nut, loop with 4½ inch slot.

Per 100 Pair

No. 5—Length 14 ins, diam 1¼ ins $150 00

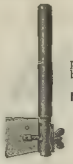
Fifty pair in wood box; wt per pair 2 lbs.

Hardwood handle, thoroughly seasoned; malleable iron ferrule revolving washer and loop with 4¾ inch slot.

Per 100 Pair

No. 6—Length 10 ins; diam 1¼ ins $111 00

One hundred and fifty pair in wood box; wt per pair 1¾ lbs.



ATKINS

Selected hardwood handle, thoroughly seasoned; plain finish; japanned malleable iron clasp; steel bolt and malleable thumb nut.

Per 100 Pair

No. 22—Reversible; length 14 ins; diam 1¼ ins $141 00

Fifty pair in wood box; wt per pair 1¾ lbs.

One Man, Supplementary.

Per Doz

No. 6-IM—Beechwood handle, varnished; malleable iron ferrule, shank and hook with rivet; length 6 ins $6 00

One doz in cardboard box; wt per doz 4 lbs.

One Man, Regular.

Per Doz

No. 2-0M—Beechwood, plain sides and varnished edges; not bored; without screws; length 8½ ins $8 25

One doz in cardboard box; wt per doz 7 lbs.

EXTRA PARTS FOR SAW HANDLES CLAMPS AND BOLTS

—BLUE GRASS—

Per Set

No. 47CB—2¾ in. japanned malleable iron clasp, XC bolt and thumb nut; same as used on No. 47 handle; set consists of bolt and clasp for one handle $0 48

CLIMAX

Per Set

No. 7CB—2⅝ in. plain malleable iron clasp, malleable bolt and thumb nut; same as used on No. 7 handle; set consists of bolt and clasp for one handle $0 36

STANLEY PLANES

ALUMINUM BENCH PLANES

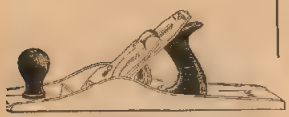
Regular Bailey type of Bench Planes, same features as regards the frogs and cutters.

Bottoms and frogs made of Aluminum instead of grey iron which provides light tool, that will not rust.

Rosewood Handles and Knobs. Nickel Plated Cap.

No. 4A—Smooth, 9 in. long, 2 in. cutters, w't 2¼ lbs.....each $8.40
ONE IN A BOX

No. 5A—Jack, 14 in. long, 2 in. cutter, w't 3 lbs.....each $9.55
ONE IN A BOX



No. 6A—Fore, 18 in. long, 2⅜ in. cutter, w't 4½ lbs.....each $12.70
ONE IN A BOX

ALUMINUM BLOCK PLANES

No. 18A—Length 6 in., 1⅝ in. cutter, bottom and adjustable front made of aluminum, this makes it extremely light in weight and will not rust, knuckle joint and steel lever cap, nickel plated, w't each ⅝ lbs., each $5.05
ONE IN A BOX

STANLEY STEEL PLANES

Body is made from one piece steel which is reinforced to give added strength. Has the Bailey patent frog and latest improvements.

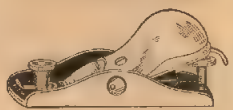
This construction makes the Plane almost unbreakable, yet leaving it light in weight.

English steel cutters, tempered and honed. Rosewood handles. Malleable frog and cap.

No. 4ST—Smooth, 9 in. long, 2 in. cutters, w't 3 lbs.....each $7.00

No. 5ST—Jack, 14 in long, 2 in. cutters, w't 4 lbs.. ..each $8.00
ONE IN A BOX

STEEL BLOCK PLANES



Plane is similar in construction to regular No. 18 Block Plane except bottom and adjustable front are made of steel instead of grey iron, making it practically indestructible.

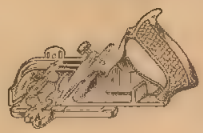
Knuckle joint steel lever cap, nickel plated.

No. 18S—Length 6 in., cutter 1⅝ in., w't each 1¼ lbs.....each $5.05
ONE IN A BOX

OUR VERY BEST

Our Very Best
Is
The Very Best

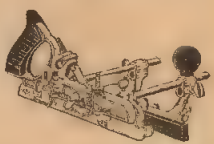
ALUMINUM DUPLEX RABBET & FILLISTER



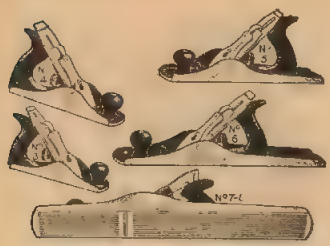
This Plane has two seats for the cutter, one for regular and the other for bull-nose work. It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom. To work as a rabbet plane remove fence and arms. Cutter has an improved lever adjustment endwise. The aluminum fence and body make it light in weight.

No. 78A—8¾ in. long, 1¼ in. cutter, w't each 1½ lbs.....each $6.00

ALUMINUM COMBINATION PLANE



No. 45A—Similar in design to the regular Stanley No. 45 Plane. Being made of aluminum it is exceptionally light in weight and will not rust. Handle and knob are rosewood. Complete with 23 cutters consisting of 1¼ in. Sash Tool, ¼ and 5/16 in. Match Tool, one Slitting Tool, 1¼ in. Fillester. ⅛, 3/16, ¼, 5/16, ⅜, ½, ⅝, ¾, 13/16 and ⅞ in. Plow and Dado Tools. ⅛, 3/16, ¼, 5/16, ⅜, 7/16 and ½ in. Beading Tools. Each plane has an adjustable fence and depth gauge, spurs for use across the grain and can be used right or left hand. W't each 7¾ lbs.....each $27.10
ONE IN A BOX



PLANES

"BAILEY" ADJUSTABLE IRON

The handle and knob are made of highly finished, thoroughly seasoned rosewood. The English steel cutter is tempered, ground and honed, ready for use, is adjustable both endwise and sidewise, and bedded to the heel of bevel. The width of mouth can be varied by changing the setting of the frog. Bottoms, either flat or corrugated—see cut 7C—as desired.

Smooth Bottom	Corrugated Bottom	Type	Length	Cutter	W't	Each
No. 1		Smooth	5½ in.	1¾ in.	1¾ lbs.	$4 20
No. 2	No. 2 C	Smooth	7 in.	1⅞ in.	2¼ lbs.	5.75
No. 3	No. 3 C	Smooth	8 in.	1⅞ in.	3¼ lbs.	6.00
No. 4	No. 4 C	Smooth	9 in.	2 in.	3¾ lbs.	6.55
No. 4½	No. 4½C	Smooth	10 in.	2⅜ in.	4¼ lbs.	7.50
No. 5½	No. 5½C	Jr.Jack	11½ in.	1⅞ in.	4 lbs.	6.75
No. 5	No. 5 C	Jack	14 in.	2 in.	4¾ lbs.	7.50
No. 5½	No. 5½C	Jack	15 in.	2¼ in.	6¼ lbs.	8 45
No. 6	No. 6 C	Fore	18 in.	2⅜ in.	7¾ lbs.	9.65
No. 7	No. 7 C	Jointer	22 in.	2⅜ in.	8½ lbs.	11.00
No. 8	No. 8 C	Jointer	24 in.	2⅜ in.	9¾ lbs.	13.10

ONE IN A BOX

"BAILEY" WOOD

These planes are made for those wanting a wood bottom plane of superior quality. Made of specially selected, well seasoned Beech. The cutters are the celebrated Bailey cutters and are adjustable both endwise and sidewise.

	Type	Length	Cutter	W't	Each
No. 24	Smooth	9 in.	2 in.	2⅞ lbs.	$5.10
No. 26	Jack	15 in.	2 in.	3⅜ lbs.	5.20
No. 27½	Jack	15 in.	2¼ in.	4⅜ lbs.	6.10
No. 28	Fore	18 in.	2⅜ in.	5¼ lbs.	6 65
No. 31	Jointer	24 in.	2⅜ in.	6¼ lbs.	7 20
No. 32	Jointer	26 in.	2⅜ in.	7⅝ lbs.	7.65
No. 35	Handle Smooth	9 in.	2 in.	3¼ lbs.	5.90

ONE IN A BOX

STANLEY "BED ROCK"

For fine work on hard and knotty wood, this plane surpasses all others.

The cutter, frog and bottom are so machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.

The frog travels in a groove, ensuring it being square with the mouth of the plane, and preventing shifting or "wobbling."

The width of the mouth can be regulated by use of a screw driver as shown in the cut, without removing the cutter and lever.

The cutters are made of the best English steel and are adjustable both endwise and sidewise.

The shape of the sides, a distinctive feature, adds greatly to the strength of the plane.

The handles and knobs are of rosewood and finely finished.

Bottoms either flat or corrugated (see No. 606C) as desired.

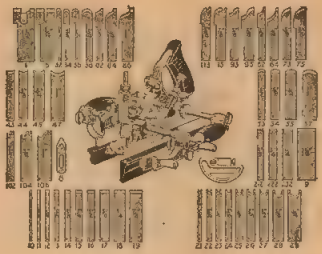
Smooth Bottom	Corrugated Bottom	Type	Length	Cutter	W't	Each
No. 602		Smooth	7 in.	1⅝ in.	2½ lbs.	$6.00
No. 603	No. 603 C	Smooth	8 in.	1⅝ in.	3¼ lbs.	6.55
No. 604	No. 604 C	Smooth	9 in.	2 in.	3⅝ lbs.	7.20
No. 604½	No. 604½C	Smooth	10 in.	2⅜ in.	4⅝ lbs.	8 25
No. 605	No. 605 C	Jack	14 in.	2 in.	4½ lbs.	8.20
No. 605½	No. 605½C	Jack	15 in.	2¼ in.	6½ lbs.	9 35
No. 606	No. 606 C	Fore	18 in.	2⅜ in.	7⅝ lbs.	10 55
No. 607	No. 607 C	Jointer	22 in.	2⅜ in.	8⅝ lbs.	12.10
No. 608	No. 608 C	Jointer	24 in.	2⅜ in.	9½ lbs.	14.45

ONE IN A BOX

STANLEY PLANES

BEADING, CENTER, PLOW, DADO, RABBET, FILLISTER, MATCH, SASH, SLITTING AND MOULDING

THE MOST COMPLETE STANLEY SET

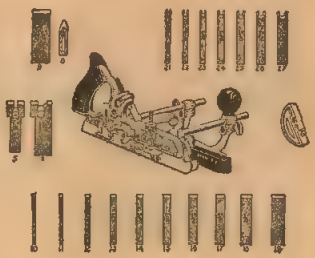


Will accomodate cutters of almost any shape and size. All metal parts nickel plated, handle and fences of selected rosewood, all parts well finished.

No. 55—Length 10 in., w't 15¼ lbs., complete with 52 cutters, each $43.35

ONE IN A BOX

BEADING, CENTER BEADING, PLOW, DADO, RABBET, FILLISTER, MATCH PLANE, SASH AND SLITTING



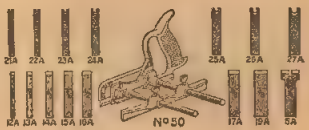
Seven beading tools, ¼ in., 5/16 in., ⅜ in., 7/16 in., ½ in., 9/16 in. and ⅝ in., ten plow and dado bits—⅛ in., 3/16 in., ¼ in., 5/16 in., ⅜ in., 7/16 in., ½ in., ⅝ in., ¾ in. and ⅞ in., 7/8 and 1 in. match tool, a tonguing tool, a sash and a slitting cutter, are regularly furnished.

Each plane has an adjustable fence, a depth gauge, spurs for use across the grain, a cam leveling or steading rest and can be used either right or left hand.

No. 45—Nickel plated, with twenty-three tools.....each $22.00
No. 5—Nosing tool, 1¼ in. cutters work 1¼ in. circle.....each 2.65
Extra Cutters, 20 tool bites, etc.....per set 11.10
Extra Spurs .....per dozen 1.05
Extra Screws .....per dozen 1.05

ONE IN A BOX

PLOW, BEADING AND MATCHING



For light work, consists of a main stock with metal handle, carrying a spur and a depth gauge and forming a support for one side of cutter, a sliding section carrying a spur and forming a support for other side of cutter, a fence with a 5 inch adjustment.

The cutters comprise 7 plow and dado bits—⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, and ⅝ inch, 7 beading tools, ⅛, 3/16, ⅛, 5/16, ⅜, 7/16 and ½ inch, and a ¼ inch tonguing tool.

No. 50—Nickel plated, length 9½ inches, 15 cutters, w't 3¾ lbs., each $12.10

ONE IN A BOX

PLOW, DADO, FILLISTER AND MATCHING

Skew cutters are the feature of this plane, main stock carries a spur, depth gauge, slitting cutter, sliding section carrying a spur forming an extra sole for the plane. Rosewood handle and knob.

Cutters comprise 8 plow and dado bits—5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞, 1 in., 1⅛ in. fillister cutter, ¼ in. tonguing tool and slitting cutter.

No. 46—Nickel plated, length 10½ in., 11 cutters, w't 5¾ lbs., each $15.55

ONE IN A BOX

SIEGLEY AND STANLEY PLANES

SIEGLEY ADJUSTABLE IRON

Corrugated Bottom.

Nos.	4S	4½S
Length, in.	9	10
Cutter, in.	2	2¼
W't each, lbs.	2¾	3⅛
Each	$6.10	7.10

ONE IN A BOX

JACK

Corrugated Bottom.

Nos.	5S	5½S
Length, in.	14	15
Cutter, in	2	2¼
W't each, lbs.	3½	4⅛
Each	$7.10	8.10

ONE IN A BOX

FORE AND JOINTER

Corrugated Bottom.

Nos.	6S	7S	8S
Style	Fore	Jointer	
Length, in.	18	22	24
Cutter, in.	2¾	2⅞	2⅞
W't each, lbs.	4¾	5½	6½
Each	$9.20	10.55	12.45

ONE IN A BOX

Combination.

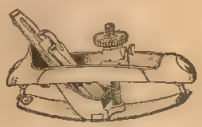
No. 2S—9 in., nickel plated combination carpenters plow and dado with slide and center beading plane, 9 plow cutters, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ and ⅞ in., 7 beading tool, ⅛, 3/16, ¼, 5/16, ⅜, 7/16 and ½ in., ⅝ in. match cutter and sash tool, w't 7¾ lbs. ..... each $17.45

ONE IN A BOX

STANLEY CIRCULAR

No. 113—10 in., adjustable, 1¾ in. cutter, w't 8¼ lbs., each $10.55

ONE IN A BOX



VICTOR, 10 in. adjustable, 1¾ in. cutter, w't each 4 lbs.

No. 20—Japanned..... each $13.00

ONE IN A BOX

STANLEY IMPROVED SCRUB

No 40

This tool has a single iron with cutting edge rounded, and is particularly adapted for roughing down work before using jack or other planes.

Nos.	40	40½
Length, in	9½	10½
Cutter, in.	1⅛	1⅛
Each	$3.40	4.65

ONE IN A BOX

STANLEY LOW ANGLE BLOCK

The construction of this plane is such that it is especially adapted for use in cutting across the grain on heavy work, where more power is required than can be obtained by use of the ordinary block plane. The plane is fitted with an adjustable throat, which enables the user to work equally well on hard or soft wood.

No. 62—14 in., 2 in. cutter, w't 4 lbs. ..... each $8.00

ONE IN A BOX

"BAILEY" BLOCK PLANES

With Throat and Lateral Adjustments.

JAPANNED CAP

Nos.	9½	15
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¾	1¾
Each	$3.20	3.45

NICKEL PLATED CAP

Nos.	16	17
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¾	1¾
Each	$3.65	4.00

ONE IN A BOX

Knuckle joint with throat and lateral adjustment.

NICKEL PLATED CAP

The knuckle joint in the cap makes it a lever, too; and placing the cap in position, will also clamp the cutter securely in its seat.

Nos.	18	19
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¾	1¾
Each	$4.20	4.55

ONE IN A BOX

Low Angle.

No. 60—Nickel plated cap, length 6 in., cutter 1⅝ in., w't each 1¾ lbs., each $3.80

JAPANNED CAP

Nos.	60½	65½
Length, in.	6	7
Cutter, in.	1⅝	1⅝
W't each, lbs.	1¾	1¾
Each	$3.45	3.65

No. 61—Nickel plated cap, length 6 in., cutter 1⅝ in., **rosewood knob,** w't 1¾ lbs. ..... each $2.90

ONE IN A BOX

NICKEL PLATED CAP

No.	65
Length, in.	7
Cutter, in.	1⅝
W't each, lbs.	1¾
Each	$4.45

ONE IN A BOX

BAILEY BLOCK PLANES

This plane has two slots and a movable cutter seat. When it is desirable to use it as a bull nose plane, the adjustable cutter seat can be reversed as indicated in cut.

No. 131—Double end, 8 in., 1⅝ in. cutter, w't 1¼ lbs. ..... each $4.00

ONE IN A BOX

STANLEY BLOCK PLANES

No. 101—3½ in., 1 in. cutter, w't 4½ oz., each $0.60

SIX IN A BOX

No. 103.

No. 102—5½ in., 1⅝ in. cutter, w't 2 lb., each $1.22

No. 103—6½ in., adjustable, 1⅝ in. cutter, w't 2 lb. ..... each $1.65

ONE IN A BOX

No. 110—7 in., 1⅝ in. cutter, w't 1¾ lbs. ..... each $1.65

ONE IN A BOX

No. 130—8 in., double-ender, 1⅝ in. cutter, w't 1¾ lbs. ..... each $2.45

ONE IN A BOX

No. 220—7 in. adjustable, 1⅝ in. cutter, w't 1¾ lbs. ..... each $2.45

ONE IN A BOX

No. 203—Screw adjustment, rosewood knob, length 5½ in., 1⅝ in. cutter, w't ⅝ lb. ..... each $2.10

ONE IN A BOX

CABINET MAKERS' EDGE PLANES

A useful tool for piano makers and all cabinet workers, for trimming inside work where space prevents use of any other plane.

No. 97—10 in., 2¼ in. cutter, w't 3¾ lbs., each $6.20

ONE IN A BOX

STANLEY VENEER SCRAPERS

No. 12 takes the same cutter as No. 112 Scraper Planes. For many kinds of work, its peculiar form is of great advantage.

Nos.	12	12½	12¾
	Iron.		Wd. Fce.
Length, in.	6¼	6¼	6¼
Cutter, in.	2⅜	2	2⅜
W't each, lbs.	3¾	2¾	4
Each	$6.90	6.00	9.35

Extra Cutters $0.75

Extra Wood Faces for No. 12¾, each $0.80

ONE IN A BOX

STANLEY SCRAPER PLANES

No. 112—9 in. adjustable, 2¾ in. cutter with 1 scraper blade, w't 4 lbs., each $6.10

Extra Cutters, for scraping, each $0 75

Extra Cutters, for toothing, Nos. 22, 28, 32—22, 28 or 32 teeth each $1.00

ONE IN A BOX

BULL NOSE RABBET PLANES

No. 75—4 in., iron stock, 1 in. cutter, w't 8 oz., each $1.05

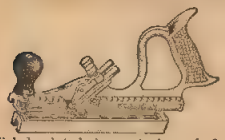
STANLEY EDGE TRIMMING PLANES

No. 95—6 in., ¼ in. cutter, japanned, w't each 1¾ lbs. ..... each $2.65

ONE IN A BOX

STANLEY ADJUSTABLE PLANES

TONGUING AND GROOVING



Nickel plated iron stock and face, including tonguing and grooving tools.

The fence is set in a center pivot and can be swung around and locked either way. Set one way it exposes two cutters for cutting the tongue and when reversed leaves only one exposed for making the groove.

No. 48—8¾ in., for ⅜ to 1¼ in. boards, w't 3 lbs. ..... each $7.55

No. 49—8 in., for ¼ to ⅜ in. boards, w't 2¼ lbs. ..... each $7.55

ONE IN A BOX

DOUBLE END MATCH

Nickel Plated.

Provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends, the plane will cut a groove to fit.

No. 146—Matches ⅝ in. boards, cuts groove ⅛ in., w't 1¼ lbs., each $5.65

No. 147—Matches ⅝ in. boards, cuts groove 3/16 in., w't 2 lbs., each $6.05

No. 148—Matches ¾ in. boards, cuts groove ¼ in., w't 2¾ lbs., each $6 40

ONE IN A BOX

RABBET AND FILLISTER

The sides and bottom being square with each other, the planes will lie perfectly flat on either side. Adjustable fence slides under bottom to regulate width of cut. Has one spur on each side and adjustable depth gauge. Is suitable for either right or left hand work. The rear part of plane can be easily detached thus providing a bull nose plane.

No. 278—Japanned iron stock and fence, 6¾ in. long, 1 in. cutter, w't 2 lbs. ..... each $4.55

ONE IN A BOX

IMPROVED RABBET

Iron stock, length 8 in., with depth gauge.

WITH SPUR

Lies perfectly flat on either side, used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

Nos.	190	191	192
Cutter, in.	1¼	1¼	1
W't, lbs.	2¾	2¼	2
Each	$4.20	3.95	3.65

DUPLEX RABBET AND FILLISTER

Two seats for the cutter, one for regular work and the other where a bull nose is required. Spur and removable depth gauge. Adjustable fence can be used on either side and slides under the bottom regulating width of cut. To use as rabbet plane, remove fence and arms.

No. 78—8¾ in. iron stock and fence. 1¼ in. cutter, w't 3 lbs. . each $4.65

SKEW CUTTER, FILLISTER AND RABBET

The fence and depth gauge can be attached to either side so that the plane can be used equally well for right or left hand work. The adjustable fence slides under the bottom, regulating the width of the cut. By removing arms and fence a skew cutter rabbet plane is obtained.

No. 289—8¾ in., japanned, 1¾ in. cutter with fence and depth gauge and two adjustable spurs, one on each side, w't 4 lbs. ..... each $5.45

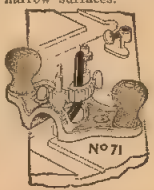
ROUTER PLANE

No. 271—Length 3 in., ¼ in. cutter. Can be set on either side of the base and used as open or closed throat, enabling user to trim out grooves or depressed surfaces used for bull nose work by having cutter on closed side of plane, w't ¼ lb. ..... each $1.00

ALL ABOVE ONE IN A BOX

WOODWORKERS' ROUTER

For surfacing the bottom of grooves and depressions parallel with the general surface of the work. The open throat design gives more freedom for chips and a better view of the work and cutter. The latter has an attachment for regulating the thickness of the chip and a second attachment for closing the throat for use on narrow surfaces.



Open Throat.

No. 71—Nickel plated, width 7⅛ in., ¼ and ½ in. steel bits, with throat attachment, w't 2¾ lbs., each $5.80

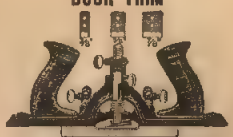
ONE IN A BOX

Closed Throat.

No. 71½—Nickel plated, width 7⅛ in., ¼ and ½ in. steel bits, w't 2¾ lbs., each $4.55

ONE IN A BOX

DOOR TRIM



This new plane will make mortises for Butts, Face Plates, Strike Plates, Escutcheons, etc., without the use of a butt gauge or chisel. Cutter can be set to work from either end of the plane or across it. Spring prevents taking a heavier chip than can be easily carried.

No. 171—11 in., japanned, nickel plated trimmings, rosewood handles, 3 forged steel cutters, w't 3 lbs., each $8.35

ONE IN A BOX

STANLEY PLANES, BEADERS, ETC.

CARRIAGE MAKERS' RABBET PLANES

Adapted for mining, wagon making and other heavy work.

Flat Bottom.

Nos.	10½	10
Length, in.	9	13
Cutter, in.	2¼	2¼
W't, lbs.	3	4½
Each	$7.55	9.10

ONE IN A BOX

SIDE RABBET PLANES

Convenient tools for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give each tool a form by which it will work close up into corners.

No. 98—4 in., nickel plated, right hand, w't 8 oz. ..... each $3.10

ONE IN A BOX

No. 99—4 in., nickel plated, left hand, w't 8 oz. ..... each $3.10

ONE IN A BOX

SIDE RABBIT PLANE

No. 79—Length 5¾ in., ¾ in., cutter, nickel plated, right or left hand. A convenient tool for light work in trimming dados, mouldings and grooves of all sorts. W't each ¾ lb., each $3.55

ONE IN A BOX

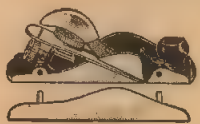
UNIVERSAL HAND BEADERS

Very handy for beading, reeding or fluting straight or irregular surfaces and for light routering. The handles are curved to give ample room between the user's hands and the surface of the work.

No. 66—Width 11¼ in., nickel plated stock, 7 steel cutters and 1 blank with 2 gauges for straight or curved work, w't 1¼ lbs, each $2.65

ONE IN A BOX

RABBET AND BLOCK PLANES



The detachable side will easily change this tool from block plane to a rabbet plane and vica versa. The cutter is adjustable end-wise and is set on askew.

No. 140—7 in., with detachable side, 1¾ in. cutter, w't 1¾ lbs., each $4.20

ONE IN A BOX

IMPROVED DADO

8 Inch, Iron Stock, with Depth Gauge and Two Adjustable Spurs.

Holds true in narrow widths where a wood plane will not. Has a skew cutter and adjustable depth gauge and spurs on each side of plane, thus allowing wear to be taken up and depth of the cut regulated.

No. 39—In.	¼	⅜	½
Each	$4.10	4.40	4.65
No. 39—In.	⅝	¾	⅞
Each	$4.90	5.10	5.35

ONE IN A BOX

STANLEY CORNER ROUNDING PLANES

Designed for rounding corners on Battens, Casings, Shelving, etc.

The cutters are sharpened ready for use. Length 7⅛ in., japanned finish, w't 1¾ lbs.

No. 144—In.	¼	⅜	½
Cuts circle, in.	¼	⅜	½
Each	$2.30	2.30	2.30

ONE IN A BOX

CABINET MAKERS' RABBET PLANES

For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the plane will lie perfectly flat on either side and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Handy" grip feature. The cutters are adjustable end-wise.

Nickel Plated, with Adjustable Throat.

No. 90—4 in., bull nose, adjustable, 1 in. cutter, w't 1 lb. ... each $5.65

Nickel Plated, with Adjustable Throat.

Nos.	92	93	94
Length, in.	5½	6½	7½
Cutter, in.	¾	1	1¼
W't, lbs.	1½	1¾	2
Each	$5 65	6.80	7.90

ONE IN A BOX

HORN SCRUB

This plane is imported from Germany where it is extensively used. It has a round nose iron and is especially useful for rough planing.

No. 500—9 in., 1¾ in. single iron, with horn, white hardwood nicely finished, w't 1¾ lbs., each $3.10

ONE IN A PACKAGE

Extra iron for No. 500, each $1.10

HORN SMOOTH

No. 400—8¼ in., 2 in. double iron, with horn, white hardwood nicely finished, w't 2½ lbs. ..... each $4.65

ONE IN A PACKAGE

WOOD PLANES

BARTLETT'S BENCH

All Bartlett planes are fitted with superior irons, manufactured from best cast steel and fully warranted.

Smooth.

No. 03—8 in., 2 in. double iron, polished lignumvitae start, w't 2 lbs., each $2.80

ONE IN A PACKAGE

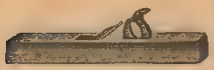
Jack.

Polished Lignumvitae Start.

No. 010—16 in., 2¼ in., **single** iron, w't 3½ lbs.....each $2.50

No. 013—16 in., 2¼ in., **double** iron, w't 3½ lbs.....each $3.20

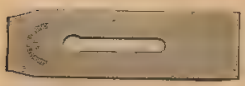
ONE IN A PACKAGE



No. 019—22 in., fore, 2⅜ in., double iron, polished lignumvitae start, w't 5½ lbs..... .each $5.35

ONE IN A PACKAGE

PLANE IRONS



BARTLETT'S, single, for wood bench planes.

No. 80—Inches.	2	2⅜	2¾	2½
W't, doz., lbs....	6¼	6¾	7½	8¾
Each $1.10	1.20	1.20	1.40	

ONE DOZEN IN A BOX

BARTLETT'S TOOTH

No. 36W—2½ in., cast steel iron, w't 1⅞ lbs.....each $4.45

ONE IN A PACKAGE

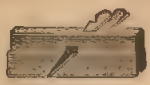
BARTLETT'S DADO

Specify size in ordering.

No. 62B—Screw top, sizes ¼, ⅜ and ½ in., w't 1 lb.....each $6.10

ONE IN A PACKAGE

BARTLETT'S STEP NOSING



Specify size in ordering.

No. 113½—2 irons, sizes ½, 1, 1¼ and 1½ in., w't 1½ lbs.....each $4 45

No. 113—2 irons, sizes 1⅜ or 1½ in., w't 1⅞ lbs.....each $5.20

ONE IN A PACKAGE

BARTLETT'S BOARD MATCH

One Pair No. 99.

Specify size in ordering.

No. 199—Sizes ⅛, ⅝, ¾, ⅞ and 1 in., w't 2½ lbs.....per pair $6.10

ONE PAIR IN A PACKAGE

BARTLETT'S SKEW RABBET

Specify size in ordering.

No. 146½—W't 14 oz.— Size, in.	½	⅝	¾	⅞	1
Each $1.85	1.90	1.95	2.00	2.05	

No. 146½—1¼ in. w't 1½ lbs., each $2.05

No. 146½—1½ in., w't 1¾ lbs., each $2.20

No. 146½—1⅝ in., w't 1⅞ lbs., each $2.55

ONE IN A PACKAGE

BARTLETT'S JACK RABBET

With 2 Spur Cutters, Sizes 1⅛, 1½ and 2 in. W't 2⅞ Lbs.

Specify size in ordering.

No. 149—Side handle..each $5.90

ONE PAIR IN A PACKAGE

BARTLETT'S BEAD PLANES

Side, single boxed, w't each 12 oz.

Nos. 472	472½	473	474
Size, in.	⅛	5/16	⅜	½
Each $2.35	2.35	2.35	2.35

ONE IN A PACKAGE

BARTLETT'S SASH PLANES

No. 189—Ogee, boxed, dovetailed, screw arms, self regulating, w't 2 lbs.....each $9.10

ONE IN A PACKAGE

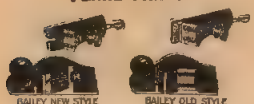
BARTLETT'S MOULDING PLANES

Scotia or Quarter Round. Specify size in ordering.

Nos.	545	546	547
Size, in.	⅜	½	⅝
W't, each, lbs.	1⅛	1½	1½
Each $3.50	4.20	4.20	

ONE IN A PACKAGE

PLANE PARTS



In order that we may fill your order correctly, kindly advise us which style Plane you have.

The difference in construction of the Frogs and Bottoms is very clearly shown in the illustration above.

NEW STYLE FROGS FOR BAILEY PLANES

For Nos. 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5½, 5½C, 6, 6C, 7 and 7C.
All Nos. .....each *$0.70*

NEW STYLE BOTTOMS FOR BAILEY PLANES

For Nos.	3 and 4	3C and 4C	5
Each	*$2.00*	*2.20*	*2.40*
For Nos.	5C	6	6C
Each	*$2.64*	*3.30*	*3.63*

PLANE KNOBS

Rosewood

No. 12—For Nos. 3, 4, 5½, 603 and 604 smooth and corrugated planes, w't per doz. 8 oz.....each *$0.30*

No. 112—For Nos. 4½, 5, 604½ and 605 smooth and corrugated planes, w't per doz. 12 oz.....each *$0.30*

No. 212—For Nos. 5½, 6, 7, 8, 605½, 606, 607 and 608 smooth and corrugated planes, w't per doz. 14 oz., each *$0.30*

ONE DOZEN IN A BOX

Our Very Best is the Very Best.

PLANE PARTS

No. 1B—Plane iron.
No. 4B—Cap.
No. 5B—Cap screw.
No. 6B—Frog complete.
No. 7B—Adjusting lever.
No. 8B—Adjusting nut.
No. 9B—Lateral adjustment.
No. 12B—Knob.
No. 16B—Bottom—adjustable throat.
No. 18B—Detached side.
No. 21B—Eccentric plate.
No. 22B—Finger rest knob.

Extra Caps and Levers, for Bailey planes, Nos. 9½, 9¾, 15, 15½ and 103, each *$0.20*

Extra Caps and Levers, for Bailey planes, Nos. 18, 19 and 65, each *$0.40*

Extra Caps and Screws, for **Bailey** planes, Nos. 110, 220 and 130, each *$0.20*

Extra Caps and Screws for **Hibbard** planes, Nos. 110H to 1300H .....each *$0.20*

No. 5—Lever Cap Screws, for Nos. 2 to 8 **Bailey** and **Hibbard** Planes .....each $.....

No. 4—Extra Caps for Nos. 3, 4, 5, 5½, 6 and 7 **Bailey** and **Hibbard** Planes .....each *$0.50*

No. 3—Plane Iron Screws for Bailey and **Hibbard** Planes Nos. 2, 3, 4, 4½, 5, 5½, 6, 7 and 8, each *$0.10*

No. 7—Adjusting Levers for Bailey and **Hibbard** Planes Nos. 2, 3, 4, 4½, 5, 5½, 6, 7 and 8, each *$0.10*

No. 13—Handle Bolts and Nuts for Nos. 3, 4, 5½, 603, 604, 26, 27½ and 28 .....each *$0.20*

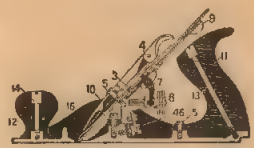
No. 113—Handle Bolts and Nuts for Bailey and Bedrock Planes Nos. 4½, 5, 5½, 6, 7 and 8....each *$0.20*

No. 15—Handle Screws for Bailey and Bedrock Planes Nos. 4½, 5, 5½, 6, 7, and 8.....each *$0.10*

PLANE PARTS

Section View of Bailey Wood and Iron Planes

Wood Plane



Iron Plane

No. 1—Plane iron.
No. 2—Plane iron cap.
No. 3—Plane iron screw.
No. 4—Lever cap.
No. 5—Cap screw.
No. 6—Frog.
No. 7—Adjusting Lever.
No. 8—Brass adjusting nut.
No. 9—Lateral adjustment.
No. 10—Frog screw.
No. 11—(52) Handle.
No. 12—Knob.
No. 13—Handle "bolt and nut."
No. 14—Knob "bolt and nut."
No. 15—Handle screw.
No. 16—Bottom.
No. 35—Top casting—wood plane.

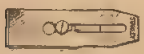
Hibbard Hardware for Hard-Wear

PLANE IRONS

Single.

Width, in.	1¾	1¾	2
No. 60—Bailey, each	$0.80	.90	.95
No. 60H—Hibbard, each	.90	.95	
Width, in.	2⅛	2¼	2⅜	2½
No. 60—Bailey, each	$1.00	1.10	1.15	1.20
No. 60H—Hibbard, each	$1.00	1.10	1.15	1.20

HALF DOZEN IN A BOX



Double, for Wood Bottom Planes.

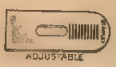
Width, in.	1¾	2	2¼
No. 65—Bailey, each	$1.40	1.60	1.65
No. 65H—Hibbard, each	$1.40	1.60	1.65
Width, in.	2⅛	2⅜	2½
No. 65—Bailey, each	$1.80	1.85	1.90
No. 65H Hibbard, each	$1 80	1.85	1 90

Double, for Iron Bottom Planes.

Width, in.	1¾	2	2¼
No. 75—Bailey, each	$1.40	1.60	1 80
No. 75H—Hibbard, each	$1.40	1.60	1 80
Width, in.	2⅛	2⅜	2½
No. 75—Bailey, each	$1.85	1.90	
No. 75H—Hibbard, each	$1 85	1.90	

HALF DOZEN IN A BOX

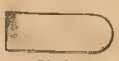
PLANE IRONS



Block.

Irons, for Bailey planes, Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 63, 65, 65½ and 220.....each $0 60

Irons, for Hibbard planes, Nos. 9¼H, 9¾H, 15H, 15½H, 1600H, 1700H, 1800H, 1900H, 6500H, 2200H, each $0.60



Block.

Irons, for Bailey planes, Nos. 110 and 130 .....each $0.50

Irons, for Hibbard planes, Nos. 102H and 103H .....each $0.35

Irons, for Hibbard planes, Nos. 110H and 1300 H.....each $0.45

PLANE IRONS

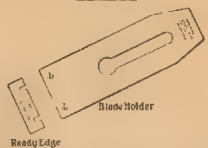
Width, in.	1¾	2	2¼	2½
Each	$0.95	1.00	1.20	1.35

SIEGLEY SINGLE PLANE IRONS

Width, in.	2	2¼	2⅜	2½
Each	$0.95	1.10	1.15	1.20

HALF DOZEN IN A BOX

STANLEY READY EDGE PLANE BLADES



These blades assure a sharp cutting edge. Whenever an old blade becomes dull, a new one can be quickly substituted.

These blades are furnished with double Plane Irons in 1¾, 2 and 2⅜ in. sizes for use in the regular Bailey, Bed Rock and Aluminum Planes.

The blades are attached by screws to specially constructed blade holders. A plane iron cap of special design fits over this and is held in place by a cap screw. This assembled it can be applied for use in the regular planes.

Set consists of double plane iron holder and 5 cutting blades.

STANLEY READY EDGE BLADES

Width, in.	1¾	2	2⅜
Per set	$2.90	2.90	2.90

EXTRA READY EDGE CUTTERS

In Packages of Five

Width, in.	1¾	2	2⅜
Per package	$1.15	1.15	1.15

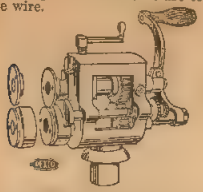
MAIL ORDER DEPARTMENT

Our constant attention in seventy-two years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

PEXTO TINNERS' MACHINES

TURNING

Turning machines are used for turning the tops of vessels that are to receive wire.

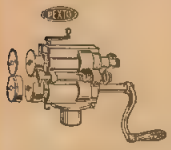


Without Stand.

COLUMBIAN. Solid frame. Furnished with extra pair of thick turning rolls. For 22 iron and lighter.

No. D541—Small. Diam. of rolls 2⅝ in. For wire size 11 to 7, w't 25 lbs. .....each $44.45

No. D542—Large. Diam. of rolls 3 in. For wire size 9 to 4, w't 31 lbs., each $51.10



Furnished With Stands

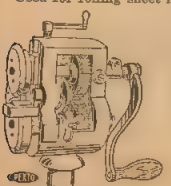
Encased pattern. Adjustable boxes. Furnished with two sets of rolls. For 24 iron and lighter.

No. F545—Small. Diam. of rolls 2⅛ in. For wire size 11 to 7, w't 28 lbs.★.....each $60.00

No. D546—Large. Diam. of rolls 3 in. For wire size 9 to 4, w't 28 lbs. .....each $66.65

WIRING

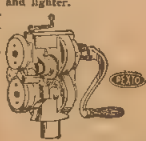
Used for rolling sheet metal tightly around wire after its seat has been prepared by turning machine.



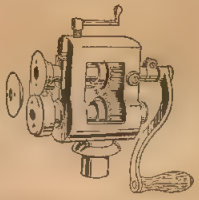
No. D525— Diam. of rolls 3 in. For No. 0 wire and smaller. W't 31 lbs., ea. $51.10

COLUMBIAN. Solid frame. For 22 ga. iron and lighter.

No. F526— Encased adjustable boxes. For 24 iron and lighter. Diam. of rolls 3 in., w't 28 lbs.★ each..$66.65



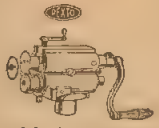
BURRING



COLUMBIAN. Solid frame. Extra upper roll. For 22 iron and lighter.

No. F576—Small. Diam. of rolls 1½ in. For turning ⅛ flanges and smaller, w't 21 lbs.★....each $37.75

No. D577—Large. Diam. of rolls 2⅜ in. For turning ¼ in. flanges and smaller, w't 25 lbs., each $42.20



Furnished With Stands

Used for creasing, edging rims of covers for pails, boilers, etc., and for preparing circular edges of bottoms and bodies of vessels for double seaming.

Encased pattern. With extra upper roll. For 22 gauge iron and lighter.

No. F579—Small. Diam. of rolls 1½ in. For turning ⅛ in. flanges and smaller, w't 21 lbs★....each $53.30

No. F580—Large. Diam. of rolls 2⅜ in. For turning ¼ in. flanges and smaller, w't 28 lbs★....each $57.75

SETTING DOWN

Setting down machines follow the burring machines, pressing the edge of bottom into the flange of body in preparation for double seaming.

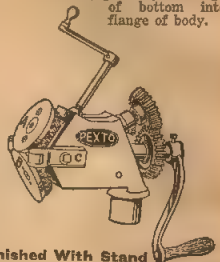
Furnished With Stands

COLUMBIAN, solid frame. For 24 iron and lighter.

No. F556—For seams up to ⅛ in., w't 23 lbs.★.....each $53.30

SETTING DOWN

Setting down machines follow the burring machines, pressing the edge of bottom into flange of body.



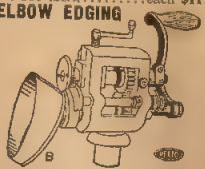
Furnished With Stand

Improved with adjustable gauge. Inclined position of both upper and lower faces allows work to be held up or down and seams to be started inward while setting down.

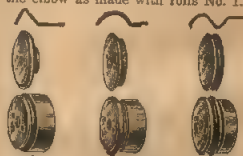
No. D561—Light. For 24 ga. iron and lighter. For seams up to ⅛ in., w't 60 lbs.....each $62.20

No. F562.—Heavy. For 18 ga. iron and lighter. For seams up to ⅛ in., w't 100 lbs.★.....each $111.10

ELBOW EDGING



Cut shows position of an elbow in turning the edge; also the form of the crease made by the machine to enter corresponding section in completing the elbow as made with rolls No. 1.



Rolls type No. 1 for V-shape edges on both elbow sections. No. 3 and 4 for elbows riveted or grooved with loose joint. Faces adapted to Columbia or Encased small turning machine. Diameter of faces 2⅜ in.

COLUMBIAN. For 24 ga. iron and lighter. Furnished with stand and one pair of rolls.

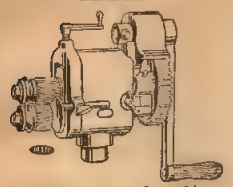
No. F551—Diam. of rolls 2⅜ in., w't each 25 lbs.★.....each $44.45

Specify type of rolls desired.

★Items Marked Thus ★ Are Shipped from Factory Only.

TINNERS' MACHINES

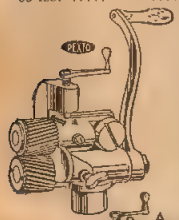
PEXTO CRIMPERS AND BEADERS



Connecting gears of machine cut steel. Rolls high grade steel, scientifically hardened. Adjustments provided for regulating depth of crimp and bead.

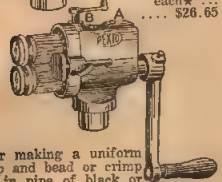
Two speeds are provided for; back geared for heavy stock and direct drive when lighter gauges of material are used.

No. H585—Cap. 20 ga. iron and lighter. Diam. beading rolls 1⅛ in., diam. crimping rolls 1⅛ in. Gear ratio 3 to 1. Furnished with crank screw for depressing rolls. W't each 65 lbs. ....each $57.75



Intended for crimping only.

No. F0589 Equipped with straight crimping rolls. For 26 gauge iron and lighter. Shipping w't 24 lbs. each★ $26.65



For making a uniform crimp and bead or crimp only in pipe of black or galvanized iron. Furnished with pair of steel blank collars making machine convertible into cornicemakers' crimper.

Width of crimping rolls 1⅜ in., width of beading rolls 1 in., diam. beading rolls 1⅛ in., diam. crimping rolls 1⅛ in., size ogee bead ⅜ in. Cap No. 24 ga. iron and lighter. W't 30 lbs.

No. F0581—Furnished with rolls for **straight crimp**★ ...each $29.45

No. D581—Furnished with rolls for **spiral crimp** .....each $29.45

CRIMPING

No. H285—Packham's for stove and conductor pipe, with standard, w't 24 lbs., each... $26.65

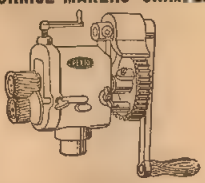
COMPANION HAND PIPE CRIMPER

Pexto

A needed companion tool for the mechanic engaged in pipe making or hanging, in the shop and outside jobs. To crimp a piece of pipe with machine-like effect and precision simply slip the end of the pipe to be crimped between the crimping rolls. Close the rolls by pushing down lever with an up-and-down movement of the handle by means of a ratchet the rolls rotate, making a perfect crimp in the pipe. The depth of crimp is regulated through a simple adjustment of a screw.

No. D788—Cap. 26 ga. iron and lighter, length overall 8 in., w't each 1½ lbs. .. ..each $8.90

CORNICE MAKERS' CRIMPER



Pexto

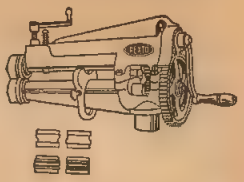
Connecting gears of machine cut steel. Rolls high grade steel, scientifically hardened. Adjustments provided for regulating depth of crimp and bead.

Designed for strength and rigidity and to produce snug fitting pipe joints that hold when put together.

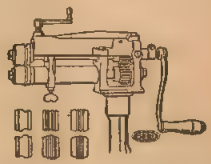
Two speeds are provided for; back geared for heavy stock and direct drive when lighter gauges of material are used.

No. F591—Cap. 20 ga., iron and lighter. Diam. crimping rolls 1⅜ in., gear ratio 3 to 1. Furnished with crank screw for depressing rolls, w't each 65 lbs.★ each $55.55

BEADING MACHINE



No. F617—For No. 20 ga. iron and lighter, 13 in. throat. Furnished with three pairs beading rolls and standard, w.t 165 lbs.★each $122.20



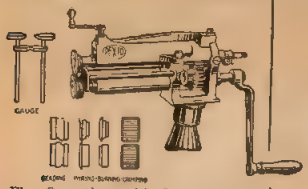
No. H620—Light Beading Machine. For No. 24 gauge iron and lighter. Depth of throat 6¼ in., diam. rolls 1⅛ in., width of rolls 1⅞ in. Furnished with four pairs of rolls; one pair each ogee ⅜ in., triple ⅜ in., single ⅛ in. and ⅛ in. Furnished with standard. W't each 50 lbs. each $62.20

STOVE PIPE CUTTER AND CRIMPER

Will cut a joint of stove pipe of any diameter in FIFTEEN SECONDS. It will CUT and CRIMP a piece of stove pipe in THIRTY SECONDS.

No. F40—Standard Style, New Model, Black with Gold Letters and Figures, Special Tool Steel Cutters, 12 in. scale cast on machine, extreme length 26 in., extreme height 15¾ in., shipping w't 60 lbs., steel crimping rolls 1¾ in. wide.★.....each $88.90

ALLINWON ROTARY MACHINE



Five Operations with One Machine

Furnished complete with standard and five pairs of rolls, viz.: crimping, beading, turning, wiring, and burring, and one extra gauge.

Width crimping rolls, 1 7/16 in.

Width beading rolls, 1 1/16 in.

Diameter turning and wiring rolls, 1⅛ in.

Capacity, using crimping or beading rolls No. 26 gauge iron and lighter.

Capacity, using turning, wiring or burring rolls No. 24 gauge iron and lighter.

No. F622—W't 60 lbs.★.each $111.10

STEEL CORNICE BRAKES

The Apron or Bending Leaf reinforced by angular shaped strengthening plate. Substantial truss rods provided for additional support and adjustment.

A Steel Angle Bar is bolted to apron to give additional leverage when bending extra heavy material.

Stop Gauges furnished free of cost.

The Clamping of material is done by means of an eccentric on each end.

When ordered with Eccentric Levers, connected brakes are so fitted without additional cost.

Set Screws provided on ends which move the upper jaw forward and back to accommodate heavy or light material and for sharp or rounding bends.

An Eccentric Bushing in lower part of connecting link allows for greater or less pressure on material.

The Angle Bar, as well as the special steel bar, is removable from the apron and narrow opposing members can then be formed. Apron edge is ⅛ in. from which ⅛ in. is detachable.

No. F4—Forming edge 8 ft. 1 in. long, for cornice and other light work as well as ⅜ in. and more, bends on No. 18 gauge, **complete with angle bar** and five formers, w't 1000 lbs.★.....each $366 65

TINNERS' MACHINES

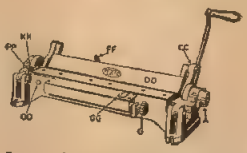
WRIGHT'S, 30 in., improved, for No. 24 iron and lighter.

This machine will turn locks of different widths on any length of sheet. May be used on material as thick as No. 24 gauge.

No. H1—Will turn locks ¼ and ⅜ in., w't 80 lbs.....each $66.65

No. F12A—Will turn locks ¼, ⅜, ½ and ⅝ in., w't 90 lbs., each★ $77.75

FOLDING MACHINE



Improved patterns represent the last word in Bar Folder Construction. Intended for forming the edges of sheet metal at various angles. Will produce closed locks as well as open or round locks for inserting a wire in the flat-sheet. Where speed and great durability are essential, especially in tinware and other light manufacturing.

Cap. ¼ in., locks on No. 22 ga. iron and lighter.

Cap. ⅛ in., locks on No. 24 ga. iron and lighter.

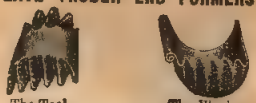
Cap. ½ in., locks on No. XX tin.

Will form closed and open locks ⅛ to 1 in. to receive a wire up to ¼ in.

No. H62—20 in., w't 140 lbs., each $122.20

No. H63—30 in., w't 220 lbs., each $144.45

EAVE TROUGH END FORMERS



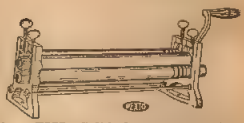
The Tool. The Work.

For closing end of eave trough in corrugations as shown in illustration.

No. D6—Bishop's, cast

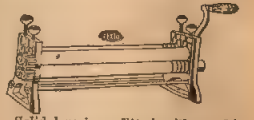
iron Trough, in....	4	4½	5
W't, lbs.	3½	4	5
Each	$1.35	1.45	1.75

FORMING MACHINES



No. F355—Solid housing cut iron gears fitted to the rolls. Length of rolls 36 in. Diam. rolls 2 in. For 22 ga iron and lighter. Grooves are cut in rolls to allow work with a wire to be formed, w't 160 lbs., each★ $57.75

COMPENSATING GEAR FORMERS



Solid housings fitted with machine cut Steel Compensating Gears. Grooves cut in rolls to allow work with a wire to be formed. For 22 gauge iron and lighter.

Nos.	F372	H373
Length rolls, in.....	36	30
Diam. rolls, in.....	2	2
W't lbs.	160	140
Each	$68.90★	57.75

INTERMEDIATE LIGHTNING SLIP ROLL FORMERS

No. H390—For lighter gauges of iron direct drive. Cap. for 16 ga. iron and lighter. Length roll 36 in. Diam. rolls 2½ in., w't 360 lbs., each $193.30

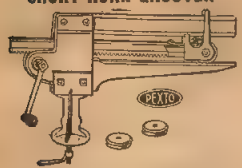
No. H381—Operations performed from one end of machine. Sturdy machine cut gears. For 22 ga. iron and lighter. Length rolls 36 in. Diam. rolls 2 in., w't 205 lbs., each $80.00

Ask for Special Tinners' Tools Catalogue Showing a More Complete Line than Shown Here.

★ Items Marked Thus ★ are Shipped from Factory Only.

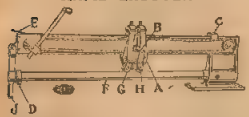
TINNERS' MACHINES, ETC.

SHORT HORN GROOVER



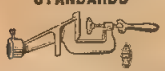
No. F502—Steel Bar and Milled Horn. For grooving seams on tin cans, pails, boilers, etc. Will groove work 20 in. in length. Size of grooving horn large end 3 in., small end 1⅛ in. Furnished with three grooving rolls ⅛, 3/16 and 5/16 in. W't 110 lbs.★ each $77.75

RAPID GROOVER



No. F518—Best for grooving the longitudinal seams in stove pipe and other sheet metal cylinders. Designed for rapid operation. Will groove work 30 in. in length. Smallest pipe that can be grooved, 2 in. Rolls are furnished, one each ⅛, 3/16, ¼ in. groovers and one flattening roll. For No. 24 ga. iron and lighter, w't 200 lbs.★..each $144.45

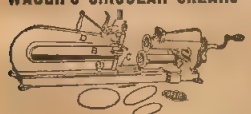
PEXTO IMPROVED MACHINE STANDARDS



No. D975—For use with **all except wiring machine,** size of hole 1⅛ in., height over all from bench 9⅛ in., w't each 10½ lbs.....each $3.90

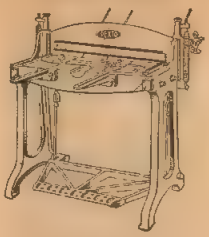
No. D976—Wiring machine, size of hole 1⅛ in., height over all from bench 9⅛ in., w't 11 lbs..each $3.90

WAUGH'S CIRCULAR SHEARS



No. F278—Fitted with quick acting eccentric lever. Will circle from square blanks 2⅜ to 22 in. For 22 gauge iron and lighter. W't 140 lbs.★.....each $122.20

SQUARING SHEARS



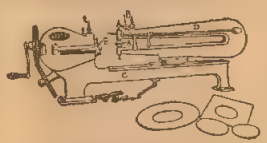
Capacity No. 18 Gauge Iron and Lighter.

Furnished with complete gauge equipment, one pair front arms. No. 137 has hold-down attachment.

No. H132—Cuts 30 in., w't 510 lbs., each $211.10

No. H137—Cuts 36 in., w't 600 lbs., each $277.75

RING AND CIRCULAR SHEARS



These improved patterns make up for a very useful and efficient Bench Ring and Circular Shears, intended for cutting circles, or internal rings and irregular curves. For No. 20 gauge iron and lighter.

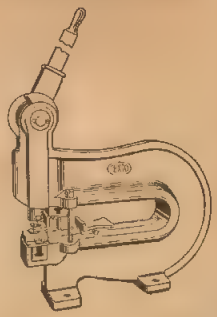
No. F298—Will circle and ring 3½ to 22 in., w't 200 lbs.★..each $155.55

No. F299—Will circle and ring 3½ to 42½ in., w't 300 lbs.★.each $200.00

WIZARD HAND PUNCH

No. D789—A powerful, single, well constructed hand punch. Furnished with three punches and dies; ⅛, 3/16 and ¼ in. Length overall 8¼ in. Depth of throat 1½ in. W't 3 lbs. each $16.65

PEXTO SAMSON PUNCH



No. F675—Will punch No. 9 ga. iron with, and No. 12 ga. iron without stay bolts. Will center 10 in. sheets with and 30 in. sheets without stay bolts. Improved model. Depth of throat 15 in. Furnished with three sets of dies and punches; ⅛, 3/16, ¼ in. w't 160 lbs.★.....each $88.90

SNIPS

Adapted for cutting sheet metal, pasteboard, mica, linoleum, veneering, etc. Straight or curved lines.

No. D79—High grade steel, japanned handles, length 13 in., 3 in. cut, w't per pair 1⅛ lbs.....per pair $5.75

ONE PAIR IN A BOX

Hibbard Hardware for Hard-Wear

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

TINNERS' HAND SHEARS OR SNIPS

SHEAR OR SNIPS

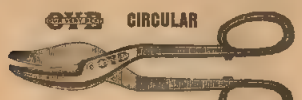
Crocus Finished Blades, Gun Metal Handles, Steel Laid and of Superior Finish.

Snips are Forged from the Best Material Obtainable. They are Accurately Fitted and in Every Way Designed for the Workmen who Demand the Best to be had.

STRAIGHT

Nos.	D57	D58	D59	D510	D511	D512
Length, In.	15	13½	13	11½	10	8½
Cut, in.	4	3½	3¼	2½	2¼	2
W't, lbs.	2⅝	2¼	1⅞	1½	1	¾
Per pair	$4.45	3.65	3.10	2.90	2.45	2.00

CIRCULAR



Nos.	D570	D580	D590
Length, in.	15	14	12½
Cut, in.	4	3½	3¼
Wt, lbs.	2⅝	2	1⅞
Per pair	$6.20	5.45	4.90

ROUNDED BACK

Nos.	D147	D148	D149
Length, in.	14½	14	12¼
Cut, in.	3⅝	3½	3
W't, lbs.	2½	2⅛	1⅝
Per pair	$4.90	4.10	3.65

"LYON" PATTERN

Round Back, Very Sharp Points, Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	D27	D28	D29
Full length, in.	14	13	11½
Cut, in.	3½	3	2⅝
W't, lbs.	2¼	1⅞	1⅝
Per pair	$4.45	4.00	3.55

ALL OF ABOVE ONE PAIR IN A BOX

Hibbard SHEAR OR SNIPS

DROP FORGED STEEL LAID

Hibbard Snips are Forged from Highest Quality Material. They are Accurately Fitted and in Every Way Designed for the Workmen who Demand the Best to be had.

STRAIGHT

Hibbard

Nos.	D37	D38	D39	D40	D41	D42
Full length, in.	15	14	13	11½	10½	10
Cut, in	4	3½	3¼	2⅝	2¼	2¼
W't, lbs.	2⅝	2¼	1⅞	1⅝	1	¾
Per pair	$4.20	3.35	2.90	2.75	2.20	1.90

CIRCULAR

Hibbard

Will Cut Circles, Scrolls and Irregular Shapes.

No. D218—Full length 14 in., cut 3¼ in., w't 2⅛ lbs., per pair $5.10

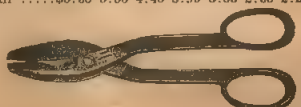
P. S. & W. CO.'S SHEARS

The P. S. & W. Co.'s Snips are Forged from the Best Norwegian Iron, are Steel Laid and Fully Warranted.

1819 ORIGINAL

Straight.

Nos.	D6½	D7	D8	D9	D10	D11	D12	D13
Full length, in.	16	14½	13⅜	12⅜	11	10⅛	9	8
Cut, in.	4⅛	4	3⅜	3	2⅝	2¼	2	1⅜
W't, lbs.	3⅜	2⅞	2⅜	1⅞	1½	1	⅝	½
Per pair	$6.65	5.55	4.45	3.90	3.55	2.65	2.20	2.00



CIRCULAR, Will Cut Circles, Scrolls and Irregular Shapes.

Nos.	D70	D80	D90
Full length, in.	14	13½	12
Cut, in.	3½	3⅜	3
W't, lbs.	2⅝	2⅜	1⅞
Per pair	$7.75	6.65	5.75

ALL OF ABOVE ONE PAIR IN A BOX

Illustrations show left hand shears, which have the lower blade on left side—Left hand shears are generally used and are always sent unless otherwise specified.

TINNERS' SHEARS OR SNIPS

CRUSO STRAIGHT

No. D19—Cruso, solid forged steel, 12¾ in. long, cut 3 in., w't per pair 1¾ lbs.....per pair $1.55

ONE PAIR IN AN ENVELOPE; FOUR PAIRS IN A BOX

HOUSEHOLD

No. D18 — Cruso, solid forged steel, length 10¼ in., cut 2¾ in., w't per pair 1 lb., per pair $1.35

A good serviceable snip suitable for general use, at a low price.

ONE PAIR IN AN ENVELOPE

Cast iron, ground blades, black handles.

No. D20—Length 10¼ in., cut 2¾ in., w't ¾ lb., per pair $0.55

ONE PAIR IN AN ENVELOPE

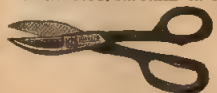
POCKET SNIPS

Solid forged steel, polished blade, length 7 in., cut 2 in., w't per pair ¾ lb.

No. D514 Cruso—Polished and blued handles, per pair $1.10

ONE PAIR IN AN ENVELOPE; SIX PAIRS IN A BOX

Hibbard DENTAL OR JEWELERS

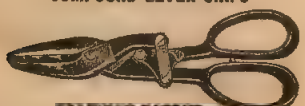


Japanned handles, nickel plated blades.

Nos.	D21	D22
Length, in.	6½	7¾
Cut, in.	1½	1¾
W't, pair, lbs.	¾	⅞
Per pair	$1.45	1.65

HALF DOZEN IN A BOX

COMPOUND LEVER SNIPS



SEAMUST PATENT

Finest quality crucible steel tempered by the most approved process.

Nos.	D108	D110	D112	D114
Length, in.	8	10	12	14
Length cut, in.	1¾	2	2¾	3¼
W't. pr., lbs.	1	1¼	2	2¾
Per pair	$8.45	10.55	13.65	16.00

Has three times the power at the point as the ordinary snip and is but a trifle heavier.

HAWK'S BILL

Improved pointed curved hand shears.

Capable of cutting in sheet metal trimmings of any size and shape. Letters easily cut. Especially adapted for cutting off the bottoms of metal vessels and openings in pipes or cylinders.

No. D15—Pointed snips, blade 8 in., entire length 11¼ in., w't per pair 1¼ lbs.....per pair $5.75

ONE PAIR IN A BOX

Cruso COMBINED SHEARS AND PIPE CRIMPERS

No. D91 Cruso—Length 8 in., w't ¾ lbs...per pair $4.75

Polished blades, gun metal handles, drop forged steel.

No. D92 Cruso—Combined double cutting shear and pipe crimper, interchangeable parts, steel crimping jaws, length 13 in., actual cut 1⅝ in., w't 2⅝ lbs., per pair $5.55

ONE PAIR IN A BOX

BENCH

Japanned handles, forged steel blades, bent heels.

Nos.	D00	D0	D1	D2
Cut (catalog), in.	11½	10½	9	8¾
Capacity gauge iron	18	18	18	19
W't, lbs.	37	29	24	19
Per pair	$42.55	38.09	27.20	24.55

Nos.	D4	D5	D6
Cut (catalog), in.	7¾	6½	5½
Capacity gauge iron	20	21	22
W't, lbs.	12	9¼	8¼
Per pair	$20.20	19.10	16.00

CUTTING NIPPERS

ACME, polished steel jaws.

Nos.	D1	D2
Lengths, in.	12	11
W't per doz.	26	24½
Per dozen	$73.30	66.65

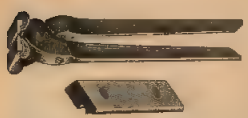
Nos.	D3	D4
Lengths, in.	10	8
W't per doz., lbs.	17	11
Per dozen	$60.00	$53.30

Extra Jaws

Nos.	D11	D12
Per dozen pairs	$16.00	16.00

Nos.	D13	D14
Per dozen pairs	$16.00	16.00

ONE IN A PACKAGE



TODD'S. Finished in natural oil with polished heads. Cutters interchangeable. Made of best tool steel.

Nos.	D43	D44
Length, in.	10	8
W't, lbs.	19	14
Per dozen pairs	$49.45	42.00

CAREW, forged tool steel jaws.

Nos.	D31	D32
Length, in.	14	12
W't per doz., lbs.	45	32
Per dozen	$117.30	96.65

Nos.	D33	D34
Length, in.	10	8
W't per doz., lbs.	24	19
Per dozen	$83.30	76.65

Extra Jaws

Nos.	031	032
Per dozen pairs	$28.00	26.65
Nos.	033	034
Per dozen pairs	$24 00	22.65

ONE IN A PACKAGE

TINNERS' SOLID PUNCHES

Cast steel, length 5 in.

Nos.	D1	D3	D5
Size, in.	5/32	3/16	1/8
Tinners' rivets, lbs.	10	6	2
Per dozen	$3.35	3.35	3.35

ONE DOZEN IN A BOX

TINNERS' PRICK PUNCHES

No. D80—Extra high quality knurled pattern, polished head and taper ⅜ in. diam., 6 in. long, w't per doz. 3¾ lbs. .....per dozen $3.90

ONE DOZEN IN A BOX

Polished point, length 4½ in.

No. D90—Forged steel, w't per doz. 1¼ lbs. .....per dozen $3.35

ONE DOZEN IN A BOX

TINNERS' HOLLOW PUNCHES

Forged steel.

Nos.	D59	D60	D61
Diameter, in.	¼	⅜	½
W't doz., lbs.	1½	2	2½
Per dozen	$8.55	12.75	17.05

Nos.	D62	D63	D64
Diameter, in.	⅝	¾	⅞
W't doz., lbs.	3½	5	8
Per dozen	$21.35	25.60	29.85

Nos.	D65	D66	D67
Diameter, in.	1	1¼	1½
W't, doz., lbs.	8	12	18
Per dozen	$34.10	38.40	42.65

Nos.	D68	D69	D70
Diameter, in.	1¾	1¾	2
W't, doz., lbs.	18	21	21½
Per dozen	$51.20	59.70	68.35

¼ TO ½ IN., ONE DOZEN; ⅝ TO 1¼ IN., ONE-HALF DOZEN 2 IN., ONE-THIRD DOZEN IN A BOX; BALANCE, LOOSE

OHB

Our Very Best
Is
The Very Best

TINNERS' SCRATCH AWLS

No. D77—Length 7 in., heavy cast steel tempered and polished point, shank running through handle, riveted and headed, beech handle, polished steel ferrule, w't per doz. 3¾ lbs. .....per dozen $6.65

HALF DOZEN IN A BOX

No. D01—Ring Awl, solid steel, length 8½ in. .....per dozen $6.20

TINNERS' HAND GROOVERS

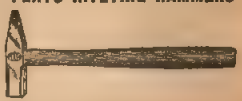
Cast steel, polished tempered face.

Nos.	D00	D0	D1	D2
Groove, in.	7/32	1/4	3/16	5/32
W't doz., lbs.	14½	14½	14½	15
Per dozen	$22.45	22.45	20.20	20.20

Nos.	D3	D4	D5
Groove, in.	9/32	7/32	5/32
W't, doz., lbs.	9	10½	9
Per dozen	$19.20	19.20	19.20

HALF DOZEN IN A BOX

PEXTO RIVETING HAMMERS



PEXTO, solid forged steel, full polished selected hickory handles.

Nos.	D1	D2	D3	D4
Face, in.	1½	1	⅞	¾
W't, doz., lbs.	19	14½	12½	9
Per dozen	24.20	22.90	21.65	21.10

HALF DOZEN IN A BOX

PEXTO SETTING HAMMERS

PEXTO, solid forged steel, full polished selected hickory handles.

Nos.	D1	D2	D3	D4
Face, in.	1½	1	⅞	¾
W't, doz., lbs.	19	15	12½	9
Per dozen	$24.20	22.90	21.65	21.10

HALF DOZEN IN A BOX

TINNERS' TOOLS

WROUGHT IRON STAKES WITH POLISHED STEEL FACES

Used for beveled or square work.

No. F901 — Beakhorn stake, length, round end 16⅛ in., flat end 21⅛ in.; width, flat end tapers 2⅛×1⅝ in.; diam., round end at smallest point ⅞ in., at largest point 2¼ in., w't 45 lbs.★.....each $53.35

Long arm for forming tubes and cylinders, etc., short arm for funnels, etc.

No. D925—Common Blowhorn, length, large end 9 in., small end 1⅜ in.; diam., small end at largest point 1¼ in., at smallest point ⅞ in., large end at smallest point 4½ in., at smallest point ⅜ in., w't 14 lbs., each $28.90

For all kinds of hard work and double seaming.

No. H921—Double Seaming, length, large end 17 in., small end 12 in.; size each end 3×1⅞ in., w't 37 lbs. .....each $46.65

For very small cylinders, etc.

No. F957—Needle case, length, round end 10⅜ in., flat end 8 in.; width, flat end 1 in.; diam., round end at small est point ⅜ in., at largest point ⅝ in., w't 4 lbs., each★ $14.45

WROUGHT IRON STAKES WITH POLISHED STEEL FACES

For small tubes, rings, etc.

No. D956—Candle mould, length, large end 18⅜ in., small end 9⅜ in.; diam., small end at largest point 1¼ in., small end at smallest point ⅜ in., large end at largest point ⅞ in., large end at smallest point ½ in., w't 7¼ lbs. .....each $17.75

WROUGHT IRON STAKES WITH STEEL FACE

Hatchet

Nos.	D943	D944
Length of blade, in.	13	11
W't, lbs.	9	6
Each	$17.75	15.55

No. D936—Common square, face 2¾×4⅛ in., w't 11 lbs....each $14.45

No. F935—Coppersmith square, face 2⅝×4½ in., w't 11 lbs., each★ $17.75

No. F932—Small bevel edge, face 2⅜×4⅛ in., w't lbs.★.....each $20.00

CAST IRON STAKES

Polished faces, size A, 6 in.; size B, 8½×2⅝×3½ in.; size C, 5½×4½ in.; size D, 5½×4½×3⅜ in.

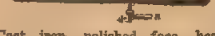
No. H949—Double seaming, with 4 heads, round, square, oblong and oval, w't 110 lbs.....each $40.00

CAST IRON STAKES

Cast iron, polished face, for locking seams on conductor pipe.

No. F971 — Conductor, turned, length, large end 15 in., small end 11⅛ in.; diam., large end 2¼ in., small end 1⅜ in., w't 30 lbs.,★ each $20.00

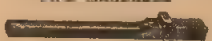
HOLLOW MANDRELS



Cast iron, polished face, heavy clamps for attaching to bench.

No. H910—Entire length 3 ft. 4 in., flat part 9 in. long 6 in. wide, oval part 31 in. long, w't 60 lbs., each $22.20

PIPE MANDRELS



No. H65—Cast stove pipe, length 36 in., width 4½ in., w't 38 lbs., each $13.35

A low-priced mandrel for a dealer who does not have a regular tinshop.

BENCH PLATES

...iron, planed surface.

No. H982—30×8 in., w't 37 lbs., each $14.45

No. H981—37×8 in., w't 50 lbs., each $20.55

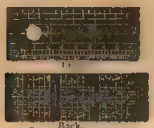
"HANDY" SEAMERS

Adjustable for seams of different widths up to ¾ in. Can be used where larger seamers would not be practical. As it is light it can be carried in tool kit or pocket.

No. D791—Japanned, length 7 in., width 3⅜ in.....per dozen $32.00

★ Items Marked Thus ★ Are Shipped From Factory Only.

RULES AND STRAIGHT EDGES



36 in. Long.

Laid off on one side with two rows of figures, the first like an ordinary steel square, by eights and inches up to three feet. The second is a line of circumferences divided into 113 equal parts; each of these divisions is again sub-divided into 8 equal parts, the large divisions representing an inch to a scale and sub-divisions an eighth of an inch. Therefore, against any diameter the circumference in this line to a scale in inches and eighths of inches can be found.

The reverse side of rule gives dimensions of measures and cans. The first two tables are for flaring measures. 1st. Liquid measures, 1 to 5 gal. 2d. Dry measures, 1 to 2 bu., giving diameter of top and bottom and height of each size and kind.

Third table is for cans with pitch or cone tops, 1 to 10 gal., giving diameter of top and body and compass marks for striking breast.

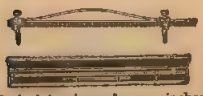
Fourth table is for flat top cans from 100 to 200 gal. (thirty-one different sizes), giving height and diameter.

Fifth table is for dry measure, from 1 qt. to 8 bu., giving height and diameter.

No. D5—Plain polished, w't ¾ lb., each $7.20

No. D95—Nickel plated, w't ¾ lb., each $8.90

MAGIC PATTERN RULES



Marked in circumference inches on the front and in inches and eighths on the back. The two slides have set screws into which trammel points are fastened. Particularly convenient for laying out elbow patterns.

No. D7—Lufkin's, nickel plated steel bar, length 4 ft. ⅞ in., square, with two slides, trammel points and flexible steel ribbon, with pattern chart mounted on linen, 19x23 in., hinged wooden case, w't 6¾ lbs., each $28.90

TINNERS' RIVETS SETS

Hibbard, forged steel, hardened and tempered, forged finish.

Nos.	D00R	D0R	D1R	D2R
For rivets, lbs.	14	10&12	8	6
Each	$0.80	.80	.70	.70
Nos.	**D3R**	**D4R**	**D5R**	
For rivets, lbs.	4&5	2½&3	1½&2	
Each	$0.65	.65	.55	
Nos.	**D6R**	**D7R**	**D8R**	
For rivets, lbs.	1½	1¼	¾&1	
Each	$0.55	.50	.50	

HALF DOZEN IN A BOX

P. S. & W Co's forged steel, gun metal finish.

Nos.	D00P	D0P	D1P	D2P
For rivets, lbs.	14	10&12	8	6
Each	$1.40	1.40	1.15	1.15
Nos.	**D3P**	**D4P**	**D5P**	
For rivets, lbs.	4&5	2½&3	1½&2	
Each	$0.95	.95	.70	
Nos.	**D6P**	**D7P**		
For rivets, lbs.	1¼	1¼		
Each	$0.70	.60		

HALF DOZEN IN A BOX

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over seventy-two years' experience stands back of our brands.

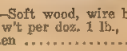
SOLDERING COPPERS

Forged sharp points.

Nos.	D¼	D½	D¾
W't, pair, lbs.	¼	½	¾
Per pair	$0.60	.70	.75
Nos.	**D1**	**D1½**	**D2**	**D2½**
W't, pair, lbs.	1	1½	2	2½
Per pair	$0.80	1.05	1.35	1.60
Nos.	**D3**	**D4**	**D5**	
W't, pair, lbs.	3	4	5	
Per pair	$1.85	2.50	3.10	
Nos.	**D6**	**D8**	**D10**	
W't, pair, lbs.	6	8	10	
Per pair	$3.75	5.00	6.20	

LOOSE

SOLDERING COPPER HANDLES



No. D1—Soft wood, wire bound, assorted, w't per doz. 1 lb., per dozen $0.75

LOOSE

TINNERS' ROOFING AND PLUMBERS' SCRAPERS

Forged from the highest grade of steel, well tempered and finely finished.

No. D996—Solid steel, size ⅞x1¼x9 in., w't per doz. 4½ lbs. per dozen $8.35

HALF DOZEN IN A PACKAGE

STANDARD WIRE GAUGES

No. D2—Cast steel, round, small, gauges Nos. 6 to 36, w't. per doz. 1 lb. .....per dozen $37.55

No. D1—Cast steel, round, large, gauges Nos. 0 to 36, w't per doz. 2½ lbs. .....per dozen $57.10

HALF DOZEN IN A BOX

TINNERS' TOOLS

FIRE POTS

Tank of heavy gauge seamless drawn steel, reinforced and tinned inside and out to prevent rust. Latest improved single needle burner of simple construction generating intense heat. Burner fitted on swivel. Burns low or high test gasoline. Will heat a pair of 12 lb. coppers and melt a pot of lead at the same time.

No. H91—C. and L., gasoline, cap. 1 gal., height 13 in., w't 13¼ lbs., each $22.00

Noiseless, smokeless and odorless. New improved single needle fire pot producing an intensely hot noiseless blue flame, burning perfectly either high or low test gasolines. Gas burns from both sides toward center. A sub-flame permits turning heating flame low between jobs, thus saving fuel expense. Top section is of cast iron and tank of heavy gauge drawn steel, reinforced, fitted with Patented Cushion Band at base which protects it from injury and makes tank leakproof. Metal heavily coated with tin both inside and out, thus preventing rust. Powerful pump produces air pressure quickly. Ideal Fire Pot for either indoor or outside work under severe weather conditions. A pair of coppers up to 12 lbs. can be quickly heated and a 6 in. pot of metal melted at same time. It is a favorite for Tinners' use and for all work requiring intense heat.

No. H80—C. and L., gasoline, cap. 1 gal., w't 22 lbs ... each $24.10

FIRE POTS

Coil fire pot having all latest up-to-date features. Made for plumbers' use, fitted with tinners' shield, which is of sheet steel, quickly heating a pair of large size soldering coppers. Shield is removable, thus making fire pot excellently adapted to melting metals and various other work.

No. H23—C. and L., gasoline, cap. 1 gal., w't 14 lbs.....each $20.10

No. H3—Gem, gasoline, aluminum bronze, cast iron furnace, removable top, feed regulator, needle valve, all cast brass fittings, japanned wood handle, sliding drip cup, rubber pump bulb 21x7 in. sheet steel base, 10¾x4½ in. sheet steel reservoir, w't 24 lbs.....each $29.55

No. H15—Gasoline, seamless drawn steel tank, capacity 1 gal., brass air pump, needle valve, cast hood with opening for melting pot, cast "horse shoe" burner, w't 20 lbs.each $23.75

FIRE POTS

So constructed that ashes fall into pan beneath coal; fire is kept clear and draft is good.

BUTTLES Pattern

No. H76—Charcoal sheet iron japanned, height 14 in., diam. at base 6 in., top 8 in., w't 32 lbs., each $11.65

ONE IN A BOX

RUBBER BULBS

No. D45—For gasoline fire pots, w't ¼ lbs. ....each $1.10

MELTING POTS

Fits any Make Furnace

No. D65—Size 5 in., cast iron with bail, w't each about 2¼ lbs., each $1.35

GAS FURNACES

DOUBLE BURNER, FOR NATURAL OR ARTIFICIAL GAS

Burner used gives an intense heat, makes no smoke and economizes time. Air blower not required when heating coppers.

No. H794—Sheet iron top, brick lined, arranged to receive two coppers, each $10.00

POCKET KNIVES.

REMINGTON.

Fully Warranted.

Manufactured by the Remington Cutlery Works, whose plant, in construction, arrangement, convenience and adaptability, is of the most modern type. They have designed and built equipment best adapted to the production of Pocket Cutlery to the uniform high Remington standard of quality, on a large scale.

Remington blade steel is not a matter of chance, tradition or custom. Regardless of first cost, they have sought and found for Remington blades the blade steel that will stand up under the most exacting tests and the rough hard usage for which Pocket Knives are not intended, but which they usually undergo.

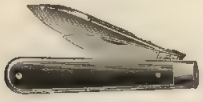
Heat treatment—hardening and tempering is by their own laboratory process. Every lot of blade steel is analyzed and tested at random before its actual use in process is permitted.

"The prime function of a Pocket Knife is to cut—to cut keenly." To this end they have designed equipment and adopted methods which insure a strong keen cutting edge on every Remington knife blade.

No. R01. 3¼ inch redwood handle; one large clip blade; steel bolster and lining. Wt. doz. 1¼ lbs..Dozen **$8 00**

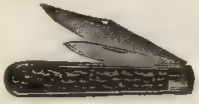
No. RB041. "Barlow" Jack. 3½ inch dyed bone handle; one large clip blade; long steel bolster; steel lining. Wt., Doz. 1½ lb. ..... **Dozen $8 00**

No. RB44. "Barlow" Jack. 3¼ inch dyed bone handle; 2 blades; large steel bolster and steel lining Wt doz., 1¾ lbs. ..... Dozen **$9 00**

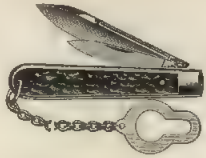


No. R1572. 3⅛ inch blackwood handle; 2 blades; steel bolster and lining. Wt doz 1¼ lb ..... Dozen **$8 00**

Half dozen in a package.

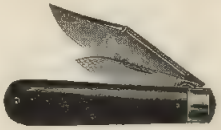


No. R1623. 3¼ inch hard fibre stag handle; 2 blades; steel bolster and lining. Wt. doz 1½ lbs. ...Dozen **$8 00**



No. R1573CH. 3⅛ inch; hard fibre stag handle; large spear and pen blades; with chain; steel bolster and lining Wt. doz 1½ lbs. Dozen **$9 60**

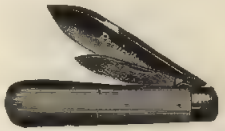
No. R1623CH. 3⅛ inch; hard fibre stag handle; large clip and pen blades; with chain; steel bolster and lining Wt. doz. 1½ lbs. ..... Dozen **$9 60**



No. R32. 3¼ inch; blackwood handle; large clip and pen blades; steel bolster and lining. Wt. doz. 1½ lbs ..... Dozen **$9 00**

No. R33. Same as R32 except has stag handle. Weight dozen 1½ lbs ..... Dozen **$9 00**

Half dozen in a package.



No. R25W. 3¼ inch; white Pyremite handle; large spear and pen blades; steel bolster and lining. Wt. doz. 1½ lbs. ..... Dozen **$11 00**

No. R23CH. 3¼ inch; stag handle; large spear and pen blades; with chain; steel bolster and lining. Wt. doz., 1¾ lbs.....Dozen **$10 80**

No. R1073. 3⅛ inch; stag handle; clip and pen blades, blue glazed; master blade etched; steel bolster; brass lined. Wt. doz., 2 lbs....Dozen **$12 00**

No. R1072. Same as R1073 except has blackwood handle Wt. doz. 2 lbs. ..... Dozen **$12 00**

Half dozen in a package.

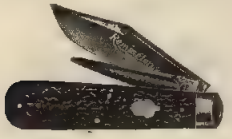
POCKET KNIVES.

REMINGTON.

Fully Warranted.

No. R73. 3½ inch; stag handle; spear and pen blades, blue glazed; master blade etched; steel bolster; brass lined. Wt. doz., 2¼ lbs. .....Dozen **$15 00**

No. R83. Same as R73 except has large clip blade in place of spear. Wt. doz., 2¼ lbs. .....Dozen **$15 00**



No. R93. 3½ inch; stag handle; large clip and punch blades; master blade etched; steel bolster; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$16 00**

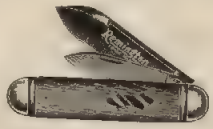
No. R213. 3½ inch; stag handle; easy opener; spear and pen blades, blue glazed; master blade etched; steel cap and bolster; brass lined. Wt. doz., 2¼ lbs. .....Dozen **$16 00**

No. R153. 3½ inch; stag handle; clip and pen blades, blue glazed; master blade etched; steel cap and bolster; brass lined. Wt.dz.,2¼ lbs.Doz. **$16 00**

No. R155. Same as R153 except has Pyremite handle. Wt. doz., 2¼ lbs. .....Dozen **$16 00**

Half dozen in a package

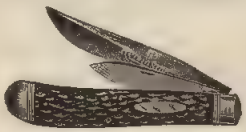
No. R473. 3⅝ inch; stag handle; large clip and pen blades; master blade etched; diagonal nickel silver cap and bolster; brass lined. Wt. doz., 1¾ lbs. .....Dozen **$18 00**



No. R551. 3¼ inch; rosewood handle; large spear and pen blades; master blade etched; steel cap and bolster; brass lined. Wt. doz., 2 lbs. Dozen **$15 00**

No. R553. 3¼ inch; stag handles; large spear and pen blades; master blade etched; steel cap and bolster; brass lined. Wt. dz., 2 lbs. Doz. **$15 00**

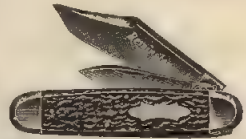
No. R575G. 3¼ inch; gold pearl Pyremite handle; large clip and pen blades; master blade etched; nickel silver cap and bolster; brass lined. Wt. doz., 2 lbs. .....Dozen **$18 00**



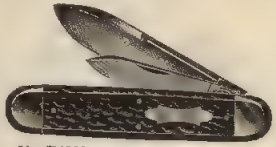
No. R313. 3¾ inch; stag handle; large Turkish sabre and pen blades; nickel silver cap and bolster; brass lined. Wt. doz., 2¼ lbs. Dozen **$23 00**

Half dozen in a package

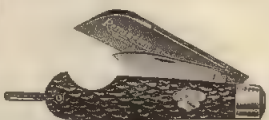
No. R363. 3¾ inch; stag handle; large spear and pen blades; master blade etched; diagonal nickel silver cap and bolster; brass lined. Wt. doz., 2½ lbs. .....Dozen **$22 00**



No. R383. 3¾ inch; stag handle with bevel edge; large clip and pen blades; master blade polished and etched; brass lined. Wt. doz., 2½ lbs. .Dozen **$22 00**



No. R1223. 4¼ inch "Jumbo" Jack; stag handle; large spear and pen blades; nickel silver cap and bolster; brass lined. Wt.dz. 3¼ lbs. Doz. **$24 00**



No. R963—Boy Scout Jack Knife. 3½ inch; stag handle; large sheep-foot and pen blades; master blade crocus polished and etched; brass lined; with shackle for fastening to belt. Wt. doz., 2 lbs. .....Dozen **$18 00**

No. R7773. 3⅛ inch; hard fibre stag handle; large spear and pen blades; steel bolsters and lining. Weight doz., 1½ lbs. .....Dozen **$9 00**

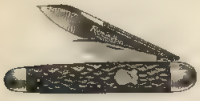
Half dozen in a package.

POCKET KNIVES.

REMINGTON.

Fully Warranted.

No. R1823. 3½ inch; stag handle; large Turkish and pen blades; nickel silver bolsters; brass lined. Wt. doz., 2¼ lbs. .....Dozen **$16 00**



No. R873. 3⅛ inch; sleeve-board pattern; stag handle; large spear and pen blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$16 00**

No. R6203. 3¼ inch; stag handle; large spear and file blades; nickel silver tips; brass lined. Wt. doz., 1 lb. .....Dozen **$18 00**

No. R6633. 3⅛ inch; stag handle; large spear and file blades; nickel silver cap and tip; brass lined. Wt. doz, 1 lb. .....Dozen **$18 00**

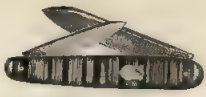
No. R6634. Same as R6633 except has pearl handle. Weight dozen, 1 lb. .....Dozen **$36 00**

No. R6635P. 3⅛ inch; (pearl blue) Pyremite handle; large spear and file blades; nickel silver bolster and tip; brass lined. Wt. doz., ¾ lb. Doz. **$20 00**

Half dozen in a package.

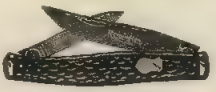
No. R6625F. 3½ inch; (silver-horn) Pyremite handle; large spear, and pen blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., ¾ lb....Dozen **$18 00**

No. R6585. 3⅜ inch; large spear and pen blades; pearl blue, Pyremite handle; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1 lb.....Dozen **$20 00**



No. R6645. 3½ inch; brown agate, Pyremite handle; large spear and pen blades; master blade crocus polished and etched; nickel silver tips; brass lined. Wt. doz., ¾ lb...Dozen **$18 00**

No. R6193. 3¼ inch; stag handle; large spear and pen blades; nickel silver bolsters; brass lined. Wt. doz., 1 lb. ..... Dozen **$18 00**



No. R4143. 3¼ inch; stag handle; large Turkish and pen blades; nickel silver tip, brass lined. Wt. doz., 1 lb. .....Dozen **$20 00**

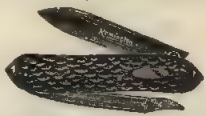
No. R4145. Same as R4143 except has Pyremite handle. Weight doz., 1 lb. .....Dozen **$22 00**

No. R4144. Same as R4143 except has pearl handle. Weight dozen, 1 lb. .....Dozen **$48 00**

Half dozen in a package.

No. R6199. 3 inch; nickel silver handle; large spear and pen blades; a neat vest pocket knife. Weight dozen, ¾ lb. .....Dozen **$16 00**

No. R7309. 3¼ inch; fancy nickel silver handle; large spear and pen blades. Wt. doz., 1 lb....Dozen **$20 00**



No. R6243. 3¼ inch; stag handle; large spear blade and French file; a vest pocket knife; nickel silver tips; brass lined. Wt.doz., 1 lb.Dozen **$24 00**

No. R6259. 3¼ inch; gun metal handle; a vest pocket knife; one large spear blade, and file blade; master blade full crocus polished and etched; no lining. Wt. doz., 1 lb...Dozen **$30 00**

No. R6785—Office Knife. 3⅜ inch; white ivory, Pyremite handle; one sharpening and one eraser blade. A thin flat pattern; a splendid knife for light purposes; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$16 00**

No. R4103. 3¾ inch; Junior Premium stock knife; stag handle; large clip and spey blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1¼ lbs. ....Doz en **$18 00**

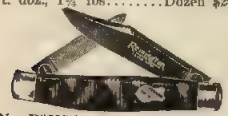
Half dozen in a package.

POCKET KNIVES.

REMINGTON.

Fully Warranted.

No. R4105P. 3⅝ inch; same as No. R4103, with pearl blue Pyremite handle; nickel silver bolsters; brass lined. Wt. doz., 1¼ lbs. .....Dozen $20 00



No. R3535S. 3⅜ inch; Junior Premium stock knife; shell Pyremite handle; large clip and pen blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1½ lbs. .....Dozen $20 00

No. R7475. 3⅝ inch; Pyremite handle; large clip and spear blades; nickel silver tips; brass lined. Wt. doz., 1 lb. .....Dozen $24 00

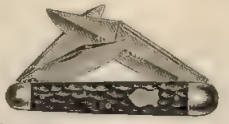
No. R7463. 3¼ inch; stag handle; large clip and pen blades; nickel silver caps; brass lined. Wt. doz., 1 lb. .....Dozen $22 00

No. R7498. 3⅝ inch; stag handle; large and small clip and pen blades; nickel silver caps; brass lined. Wt. doz., 1¼ lbs. .....Dozen $32 00

No. R6285. 3¼ inch; gold color Pyremite handle; large spear, small clip and pen blades; fancy nickel silver diagonal bolsters; brass lined. Wt. doz., 1¼ lbs. .....Dozen $32 00

Half dozen in a package.

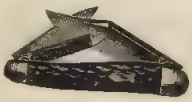
No. R7663. 3 inch; stag handle; large clip, pen and file blades; nickel silver tips; brass lined. Wt. doz., 1¼ lbs. .....Dozen $30.00



No. R7293. 3½ inch; stag handle; large sabre clip, small clip and pen blades; nickel silver caps; brass lined. Wt. doz., 1½ lbs. .....Dozen $30 00

No. R6653. 3⅛ inch; stag handle; large spear, pen and file blades; master blade crocus polished and etched; nickel silver tips; brass lined. Wt. doz., 1¼ lbs. .....Dozen $27 00

No. R6523. 3 inch; stag handle; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1¼ lbs..Dozen $27 00



No. R7653. 3 inch; stag handle; large clip, pen and file blades: nickel silver caps; brass lined. Wt. doz., 1¼ lbs. .....Dozen $30 00

Half dozen in a package.

No. R6390. 3⅝ inch; genuine black buffalo horn handle; large clip-sabre blade, also small clip and cutoff pen blades; master blade full crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 1½ lbs. .....Dozen $32 00

No. R6330. 3½ inch; genuine black buffalo horn handle; large spear, small pen and file blades; master blade full crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 1½ lbs. .....Dozen $28 00

No. R6223. 3¼ inch; stag handle; large spear, pen and file blades; nickel silver tips; brass lined. Wt. doz., 1½ lbs. .....Dozen $28 00

No. R6224. Same as R6223 except has pearl handle. Wt. doz., 1¼ lbs. .....Dozen $54 00

No. R6343. 3½ inch; 3 blades; large and small clip, also pen blades; master blade crocus polished and etched; stag handle; nickel silver bolsters; brass lined. Wt. doz., 1½ lbs...Dozen $28 00

No. R6353—Punch Knife. 3½ inch; large sabre-clip blade, also small clip and punch blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1½ lbs. .....Dozen $32 00

Half dozen in a package.

POCKET KNIVES.

REMINGTON.

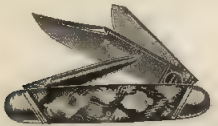
Etched. Fully Warranted.

No. R6956. 3⅝ inch; genuine stag handle; a long slender pattern; long spear, pen and cut-off blades; nickel silver caps and lining. Wt. doz., 1¼ lbs. .....Dozen **$54 00**

No. R6543. 3⅜ inch; stag handle; 3-blade punch knife; large sabre clip, small spey and punch blades; master blade crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 1½ lbs....Dozen **$32 00**

No. R6233. 3¼ inch; stag handle; large spear, two pen and file blades; master blade crocus polished and etched; nickel silver tips; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$30 00**

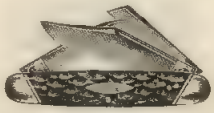
No. R7353. 3⅜ inch; stag handle; combination knife; large spear, pen and file blades, also cork screw; nickel silver caps; brass lined. Wt. doz., 1¾ lbs. .....Dozen **$56 00**



No. R3415G. 3⅜ inch; gold pearl, Pyremite handle; large clip, spey and punch blades; master blade crocus polished and etched; nickel silver bolsters; milled brass lining Wt. doz., 1½ lbs. .....Dozen **$24 00**

Half dozen in a package.

No. R3413. 3⅜ inch; stag handle; large clip, spey and punch blades; nickel silver diagonal bolsters; brass lined. Wt. doz., 1½ lbs. .....Dozen **$24 00**



No. R4413...3¾ inch; stag handle; large clip, pen and cut-off blades; nickel silver diagonal bolsters; brass lined. Wt. doz., 1½ lbs..Dozen **$24 00**

No. R3203. 3½ inch "Cattle knife"; stag handle; large clip, spey and sheep-foot blades; nickel silver blosters; brass lined. Wt. doz., 2¼ lbs..Dozen **$24 00**

No. R3153. 3½ inch "Cattle knife"; stag handle; with punch; also large spear and spey blades; nickel silver bolsters; brass lined. Wt. doz., 2⅛ lbs. .....Dozen **$24 00**

Half dozen in a package.

No. R3303. 3¾ inch; 4 blades; cattle knife; large clip, sheep-foot, spey and pen blades. A splendid all-around general purpose knife; stag handle; master blade crocus polished and etched; nickel silver bolsters; milled brass lining. Wt.dz.2¾ lbs.Doz. **$32 00**

No. R4273. 3¾ inch; stag handle; large Turkish clip, spey and sheep-foot blades; nickel silver bolsters; brass lined. Wt. doz., 2½ lbs..Dozen **$30 00**

No. R3983. 3⅜ inch; 3 blades; Junior Premium stock knife; stag handle; has punch blade; master blade crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 1¾ lbs. .....Dozen **$27 00**

No. R3985P. Same as No. R3983, with pearl blue Pyremite handle. Wt. doz., 1¾ lbs. .....Dozen **$28 00**

No. R3500—Junior Premium Stock. 3⅜ inches; genuine black buffalo horn handle; has large clip, sheep-foot and spey blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$28 00**

Half dozen in a package.

POCKET KNIVES.

REMINGTON.

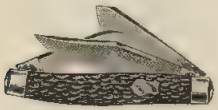
Etched. Fully Warranted.

No. R3505. 3¾ inch; 3 blades; Junior Premium stock knife; brown agate Pyremite handle; master blade crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 1¾ lbs. .....Dozen **$28 00**

No. R4133. 3¼ inch; stag handle; large Turkish clip, spey and pen blades; nickel silver diagonal bolsters; brass lined. Wt. doz., 2 lbs...Dozen **$28 00**

No. R4135. 3¼ inch; same as R4133 except has Pyremite handle. Wt. doz., 2 lbs. .....Dozen **$29 00**

No. R3493. 3⅜ inch; 3 blades; Junior Premium stock knife; stag handle; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 1¾ lbs..Dozen **$24 00**



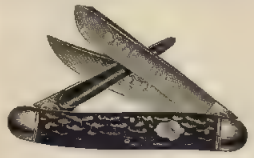
No. R3973. 3⅝ inch; medium size premium stock knife; stag handles; has large clip, spey and pen blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., 2 lbs.....Dozen **$24 00**

No. R3975. 3⅝ inch; same as R3973 except has Pyremite handle. Wt. doz., 2 lbs. .....Dozen **$27 00**

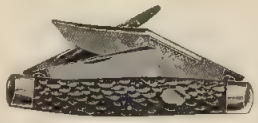
Half dozen in a package.

No. R4303. 3⅝ inch; stag handle; medium size premium stock knife, large Turkish clip, spey, and pen blades; nickel silver diagonal bolsters and nickel silver lining. Wt. doz., 2 lbs. .....Dozen **$28 00**

No. R3923. 4 inch "Great Western" stock knife; stag handle; large clip, sheep-foot and extra long spey blades; nickel silver bolsters and lining. Wt. doz., 2¼ lbs.....Dozen **$32 00**

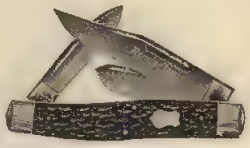


No. R4513. 4 inch "Great Western" stock knife"; stag handle; large Turkish clip, extra long spey and punch blades, nickel silver bolsters; brass lined. Wt. doz, 2¼ lbs..Dozen **$30 00**



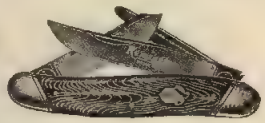
No. R3073. 3⅞ inch; Standard premium stock knife, with punch blade; stag handle; large clip and spey blades crocus polished and etched, nickel silver bolsters; milled brass lining. Wt. doz, 2⅜ lbs.....Dozen **$30 00**

Half dozen in a package

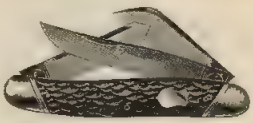


No. R3873. 3⅞ inch; standard premium stock knife; stag handle; master blade crocus polished and etched; nickel silver bolsters; milled brass lining. Wt. doz., 2½ lbs...Dozen **$28 00**

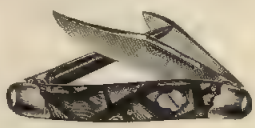
No. R4563. 4⅜ inch; stag handle, "The Master" Premium stock knife; largest knife of this type on the market; large clip, spey and sheep foot blades; nickel silver bolsters; brass lined. Wt. doz., 3½ lbs..Dozen **$32 00**



No. R4095. 4 inch round-end stock knife; Pyremite handle; long Turkish clip, spey and punch blades; nickel silver diagonal bolsters; brass lined. Wt. doz., 2¼ lbs. .....Dozen **$32 00**



No. R3643. 3⅞ inch; standard premium stock knife; stag handle; has Turkish clip, sheep-foot and spey blades; known as a round end pattern; master blade crocus polished and etched; nickel silver bolsters; milled nickel silver lined. Wt. doz., 2½ lbs. ....Dozen **$30 00**



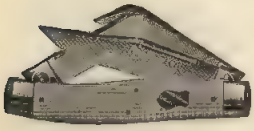
No. R3665. 4 inch; rich blue Pyremite handle; large clip, pen and punch blades; fancy diagonal nickel silver bolsters and lining. Wt. doz., 2½ lbs. .....Dozen **$32 00**

Half dozen in a package.

POCKET KNIVES.

REMINGTON.

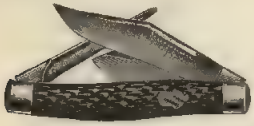
Fully Warranted.



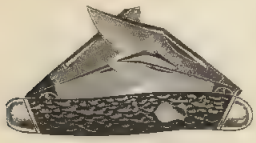
No. R3555G...4 inch; gold color Pyremite handle; large clip, spey and sheep-foot blades; nickel silver bolsters; brass lined. Wt. doz., 2½ lbs. .....Dozen **$24 00**

No. R3555W. 4 inch; same as No. R3555G except with white Pyremite handle ..... Dozen **$24 00**

No. R3558. 4 inch; same as No. R3555G shown above except with stag handle. Wt. doz., 2¼ lbs. Dozen **$24 00**



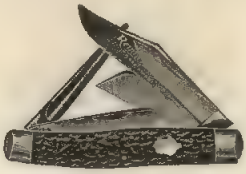
No. R3563. 4 inch; stag handle; large clip, spey and punch blades, nickel silver bolsters; brass lined. Wt doz., 2½ lbs.....Dozen **$24 00**



No. R3883. 3⅞ nich; 4 blades; premium stock knife; large clip, sheep-foot, spey and pen blades; master blade crocus polished and etched; milled nickel silver bolsters and lining. Wt. doz., 3 lbs. .....Dozen **$36 00**

No. R3713. Same as No. R3883 except has punch blade in place of sheep-foot. Wt. doz., 3 lbs....Dozen **$36 00**

Half dozen in a package.



No. R3143. 4 inch; stag handle; five bladed premium stock knife; large clip, spey, sheep-foot, pen and punch blades; nickel silver bolsters; brass lined. Wt. doz., 2¾ lbs. .....Dozen **$42 00**

OUTING KNIVES.

No. RS3333—Official Boy Scout Knife. Combination for outing, camping, etc. 3¾ inch; stag handle; contains large spear blade, can opener, punch blade, cap lifter and screw driver, with shackle for fastening to belt; brass lined. Wt. doz., 3 lbs., Doz. **$28 00**

No. RS4233—Official .Boy .Scout Junior. Combination. An exact duplicate of RS3333 Scout Knife, excepting size, being some smaller; just the thing for Boy Scouts or Camp-Fire Girls. Size, 3½ inches. Wt. doz., 2½ lbs. .....Dozen **$28 00**

Half dozen in a package.

OUTING KNIVES.

No. R3335—Scout Knife. An exact duplicate of No. RS3333, excepting flag handle, which is Pyremite, with red, white and blue stripes, with a star shield. This combination handle makes it very attractive and appropriate for the Boy Scout movement. Just the knife for every active and patriotic boy. Wt. doz., 3 lbs.....Dozen **$26 00**

No. R4235—Scout Junior. Combination. An exact duplicate of No. R3335, excepting size and handle; has Pyremite flag design handle in colors, making it very attractive. Size, 3½ inches. Wt. doz., 2½ lbs. .....Dozen **$28 00**

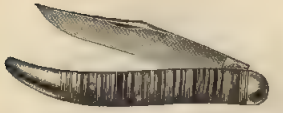
No. R3843. 3½ inch; stag handle; combination outing knife; just the thing for tourist, or camper; its many features make it much more than a knife; has large spear and small clip blade, also can opener, screw driver, cap lifter, cork screw and punch; also shackle for fastening to belt. Nickel silver bolsters; brass lined. Wt. doz., 2¾ lbs. .....Dozen **$56 00**

Half dozen in a package.

POCKET KNIVES.

REMINGTON.

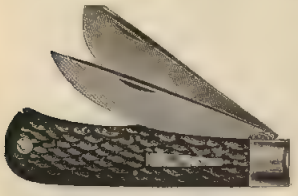
Fully Warranted.



No. R955. 5 inch; red striped Pyremite handle; long clip blade; a fisherman's necessity; just the tool for scraping, cleaning and ripping fish; brass lined. Wt.doz.,2½ lbs. Doz. **$20 00**

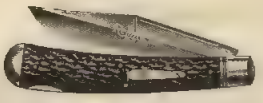
No. R1613. 5 inch; same as R955 shown above, except with stag handle; has disgorger. (Note fork on end of handle). Wt.doz.,2½ lbs. Dozen **$24 00**

No. R4353. 4½ inch; stag handle; large Turkish clip and skinning blades; a fine knife for the hunter or trapper; nickel silver bolsters; brass lined. Wt. doz., 3 lbs. .....Dozen **$32 00**

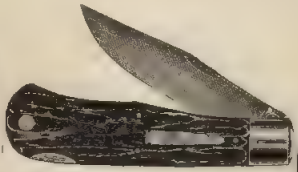


No. R1123. 4½ inch; stag handle; same style blades as in R4353 shown above, but much heavier and stronger; both blades are on one end; nickel silver bolsters; brass lined. Wt. doz., 5 lbs. .....Dozen **$40 00**

Half dozen in a package.



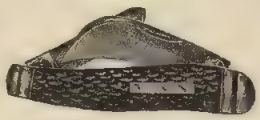
No. R1253. 5¼ inch hunting knife; stag handle with flush lock back; length of blade 4½ inch; nickel silver cap and bolsters; brass lined. Wt. doz., 4½ lbs. .....Dozen **$48 00**



No. R1306. 4½ inch hunting knife; genuine stag handle; flush lock-back blade 3⅝ inches long; nickel silver bolster and lining; has thong hole in handle. Wt. doz., 4½ lbs..Dozen $54.00

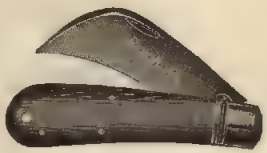
FLORIST KNIVES.

No. R4495... 3¾ inch; white Pyremite handle; one each budding and grafting blades; nickel silver bolsters; brass lined. Wt.doz.,1¼ lbs. Doz. **$24 00**



No. R3853. 4 inch; stag handle; one each budding and pruning blades; nickel silver bolsters, brass lined Wt. doz, 2¼ lbs .....Dozen **$24 00**

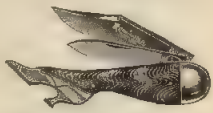
Half dozen in a package.



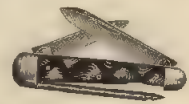
No. R698. 4 inch pruning knife; cocobolo handle; one heavy blade for general all-around bush and tree pruning; steel bolster and lining. Wt. doz., 3¼ lb. .....Dozen **$20 00**

No. R728. 4½ inch pruning knife; cocobolo handle, extra heavy blade; steel bolster, lining, and seal cap Wt. doz., 4 lbs. .....Dozen **$30 00**

PEN KNIVES.



No. R15—Ballet Knife. 3¼ inch; 2 blades, large clip and small pen; master blade crocus polished and etched; Pyremite handle in assorted colors; nickel silver bolsters; brass lined. Wt. doz., 1 lb.....Dozen **$20 00**



No. R6145. 2¾ inch; pearl gray, Pyremite handle; full crocus polished blades; nickel silver bolsters; milled brass lining. Wt doz.,¾ lb.Doz. **$42 00**

Half dozen in a package.

POCKET KNIVES.

REMINGTON.

Fully Warranted.

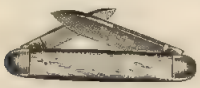
No. R6439. 2¾ inch; solid nickel silver handle; master blade full crocus polished; has shackle for fastening to chain; a nifty vest pocket knife. Wt. doz., ¾ lb. .....Dozen **$40 00**

No. R6914. 2½ inch; pearl handle; 2 blades; nickel silver lining. Wt. doz., ½ lb. .....Dozen **$24 00**

No. R6904. 2½ inch; pearl handle; 2 blades; nickel silver lining and shackle. Wt. doz., ½ lb. ..Dozen **$24 00**

No. R6484. 3 inch; pearl handle; 2 blades; nickel silver tips and lining Wt. doz., ¾ lb. . .....Dozen **$40 00**

No. R6844. 2¾ inch; pearl handle; 2 blades; nickel silver tips and lining; with shackle. Weight dozen, ¾ lb. .....Dozen **$32 00**

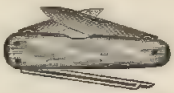


No. R6461. 3 inch; pearl handle; large spear and pen blades; master blade crocus polished and etched; nickel silver bolsters; brass lined. Wt. doz., ¾ lb. .....Dozen **$36 00**

Half dozen in a package.

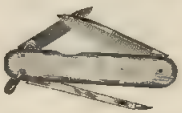
No. R7744. 2¾ inch; pearl handle; 2 blades; nickel silver lining and shackle. Wt. doz., ½ lb., Dozen **$42 00**

No. R7084. 2⅝ inch; pearl handle; 1 cutting blade and 1 file blade on reverse side; nickel silver lining and shackle. Wt. doz., ½ lb...Dozen **$42 00**



No. R7374. 2⅝ inch; pearl handle; 2 cutting blades and file; nickel silver lining. Wt. doz., ¾ lb. ...Dozen **$56 00**

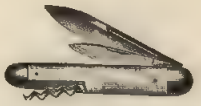
No. R7384. 2⅝ inch; pearl handle; like F7374 shown above except has shackle fastening to watch chain; nickel silver lining Wt. doz., ¾ lb. .....Dozen **$56 00**



No. R7094. 2¾ inch; pearl handle; 2 cutting blades and file; nickel silver lining and shackle. Wt. doz., 1 lb. .....Dozen **$56 00**

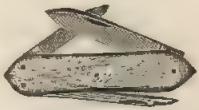
No. R7364. 2¾ inch; pearl handle; combination knife; 2 cutting blades; pair scissors and file; nickel silver lining and shackle. Wt. doz., 1 lb. .....Dozen **$96 00**

Half dozen in a package.



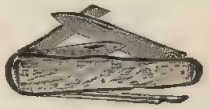
No. R7344. 3 inch; pearl handle; combination knife; 2 cutting blades and corkscrew; nickel silver caps and lining. Wt. doz., 1½ lbs. ...Dozen **$64 00**

No. R7244. 3 inch; pearl handle; a beautiful pattern; 2 cutting blades and file; nickel silver tips and lining. Wt. doz., 1¼ lbs. .....Dozen **$48 00**



No. R6554. 3 inch; large spear, pen and file blades; pearl handle; milled nickel silver lining; full crocus polished throughout. Wt. doz., 1 lb., Doz. **$64 00**

No. R6559. Same as No. R6554 except with gun metal handle. Wt. doz., 1 lb. .....Dozen **$48 00**



No. R6454. 3 inch; pearl handle, gunstock pattern; 3 cutting blades and file; nickel silver tips and lining. Wt. doz., 1¾ lbs.....Dozen **$96 00**

No. R6524. 3 inch; pearl handle; 3 cutting blades, all different sizes and shapes; nickel silver caps and lining. Wt. doz., 1½ lbs. .....Dozen **$48 00**

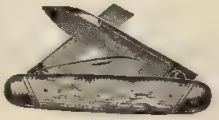
Half dozen in a package.

POCKET KNIVES.
REMINGTON.
Fully Warranted.

No. R7814. 3¼ inch; pearl handle; large spear, pen and grooved file blades; nickel silver tips and lining. Wt. doz., 2 lbs. .....Dozen **$72 00**

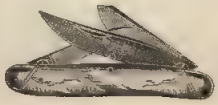
No. R6234. 3¼ inch; pearl handle; 3 cutting blades and file; nickel silver tips and lining. Wt. doz., 1¼ lbs. .....Dozen **$56 00**

No. R6654. 3⅛ inch; pearl handle; large spear, pen and file blades; master blade crocus polished and etched; nickel silver tips; brass lined. Wt. doz., 1¼ lbs. .....Dozen **$48 00**

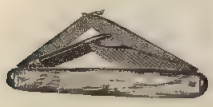


No. R3424. 3⅜ inch; pearl handle; a medium size cattle knife; 3 cutting blades; nickel silver diagonal bolsters; brass lined. Wt. doz., 2 lbs. Doz. **$48 00**

No. R6724. 3⅛ inch; pearl handle; large clip, pen and file blades; nickel silver caps; brass lined. Wt. doz., 1½ lbs. .....Dozen **$48 00**



No. R4134. 3⅜ inch; pearl handle; Junior Premium stock knife; master blade crocus polished; nickel silver diagonal bolsters; milled nickel silver lining. Wt. doz., 1¾ lbs. Dozen **$48 00**



No. R7124. 3¼ inch; pearl handle; a long slender pattern; 3 cutting blades all different sizes and shapes, and file; nickel silver tips and lining. Wt. doz., 1½ lbs. .....Dozen **$64 00**

Half dozen in a package.

No. R3494. Junior Premium Stock. 3⅜ inch; pearl handle; regulation combination of blades; master blade full crocus polished; nickel silver bolsters; milled brass lining. Wt. doz., 1¼ lbs. .....Dozen **$48 00**

Half dozen in a package.

POCKET KNIVES.
REMINGTON.
Fully Warranted.

No. R3054. 3⅞ inch; standard premium stock knife; pearl handle; master blade crocus polished and etched; nickel silver bolsters; milled nickel silver lining. Wt. doz., 2¾ lbs...Dozen **$72 00**

KNIFE PURSES.

Leather.

Knife Purse. Assorted sizes; with press button fastener. Wt. doz., 2 ozs. .....Dozen **$1 20**

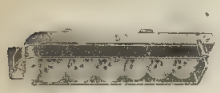
CUTLERY INK.

No. 1—Cutlery Ink. Made by Remingto Arms Co. Purple color; easy to apply and easy to remove; will not leave a stain mark after being removed. Size, 1/6 pint. Each can packed in carton. Wt. doz., 3 lbs. Dozen **$7 20**

Half dozen in a package.

SOCKET WRENCH SETS

No. 83 MOSSBERG HAN-D-SET



An economical car owner's set with just the size sockets necessary for every day adjustments. Sockets interchangeable with all standard Mossberg handles.

No. 83 Consists of 6 sockets, one each of the following with hexagon openings: ⅜, ½, ⅝, ¾, ⅞ and 1 inches. Offset handle . . . . . Per Set, **$1.10**

Twelve Sets in a Carton

No. 24 H-L HANDLE LOCK SET

Sockets are machined from solid bar steel, carefully case hardened and tested. Handle is of bar steel case hardened, at each end is a friction ball serving to hold socket in place. Sockets may be attached to either end of handle. Container is constructed of 18 gauge steel, having hexagonal holes through the ends to receive handle. Designed to hold sockets so that the sizes may be seen at a glance.

No. 24 Consists of 8 sockets, one each of the following with hexagon openings: ⅜, ½, ⅝, ⅝, ¹¹⁄₁₆, ¾, ⅞, and 1⅛ inches. Length of handle, 8¾ inches. Size of container, 1⅜x 7½ inches.....Per Set, **$1.35**

Ten Sets in a Carton

No. 1 JAMESTOWN SET

Sockets are machined from a select grade of steel and are cyanide hardened. Ratchet handle is made of heavy sheet steel; L handle is of bar steel. Box is made of sheet steel, japanned black finish.

No. 1 Consists of 8 sockets, one each of the following with hexagon openings: ⅜, ½, ⅝, ⅝, ¹¹⁄₁₆, ¾, ⅞ and 1⅛ inches. Length of L handle, 7¾ inches; length of ratchet handle, 7¾ inches. Size of container, 1⅞x8 inches .....Per Set, **$2.00**

Ten Sets in a Carton

No. 25 HANDLE-LOCK SPECIAL SET

Sockets are machined from solid bar steel, case hardened. Handle and extensions are of bar steel, case hardened, with friction balls serving to hold sockets in place. Socket may be attached to either end of handle. Container is constructed of 18 gauge steel.

No. 25 Consists of 8 sockets, one each of the following with hexagon openings: ⅜, ½, ⅝, ¾, ⅞, 1 in., ⅛, ⅜ and 1⅛ inches. Length of handle, 8 inches; length of extensions 7½ and 11⅛ inches; length of ratchet, 7 inches; size of container, 1½x7 inches...Each, **$2.00**

Ten Sets in a Carton

No. 85 MOSSBERG OIL DRAIN PLUG SET

Square sockets fit both outside and inside plug fittings. Sliding Tee Handle may be used for Offset as well as Tee wrench.

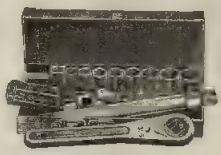
Contents:

No. 870 Sliding tee, 10 inches long. No. 372 Extension bar, 5 inches long. 15 steel sockets, sizes, hexagon: ⅜, ½, ⅝, 1, 1⅛, 1⅜, 1⅝ and 1⅞ inches. Square: ½, ⅝, ¾, ⅞, 1, 1⅛ and 1¼ inches.

No. 85 All steel construction. Packed in a brown enamel steel box. Size of box, 2⅛x 4⅛x10⅜ inches. Shipping weight, 4¼ lbs. Each, **$4.50**

One Box in a Carton

No. 30 MOSSBERG UNIVERSAL SET



Fits 84 possible adjustments on Fords.

Contents:

No. 355 Ratchet Handle, 8 inches long. No. 351 Extension, 9¾ inches long. No. 336 Universal Joint. No. 101 Offset Screw Driver, 10 sockets. Sizes, hexagon: ⅜, ⅜, ⅜, ⅜, ⅜, ⅜, ⅜, ⅜ and ⅝ inches. Square: ⅜ inches. One ⅝ inch hexagon spark plug socket. No. 407, 4 inches long.

No. 30 All steel construction. Packed in a brown enameled steel box. Size of box, 2⅛x8⅞x9⅝ inches. Shipping weight, 5¼ lbs. .....Each, **$5.75**

One Box in a Carton

No. 13 MOSSBERG INTERCHANGEABLE

Contents:

No. 355 Ratchet Handle, 8 inches long. No. 351 Extension Bar, 9⅝ inches long. 15 hexagon steel Sockets, sizes: ⅜, ⅜, ⅜, ⅜, ⅜, ⅝, ⅝, ⅝, ⅝, ¾, ⅞, 1, 1⅛ and 1¼ inches. One ⅝ inch hexagon spark plug socket, No. 402-4 inches long.

No. 13 All steel construction. Packed in a brown enamel steel box. Size of box, 2⅛x 4⅛x10⅛ inches. Shipping weight, 5¾ lbs... ..... Each, **$5.75**

One Box in a Carton

No. 84 MOSSBERG

Six of the most popular sizes of sockets with the new Mossberg 890 reversible ratchet handle

This set is designed for close work in tight places where adjustments are inaccessible to ordinary types of ratchet handles.

Contents:

No. 890 Reversible ratchet handle. 6 chromemolybdenum steel heavy duty hexagon sockets sizes ⅜, ½, ⅝, ¾, 1 and ¼ inches

No. 84 All steel construction. Packed in a brown enameled steel box. Size of box, 1¾x 2¼x10⅝ inches. Shipping weight, 3½ lbs. ..... Each, **$5.00**

One Box in a Carton

No. 80 MOSSBERG

Contents:

No. 350 Reversible Ratchet Handle. No. 373 Extension Bar, 10 inches long. No. 372 Extension Bar, 5 inches long. No. 371 Connecting Block, 10 chrome molybdenum steel heavy duty hexagon sockets, sizes: ⅜, ½, ⅝, ⅝, ¹¹⁄₁₆, ¾, ¹³⁄₁₆, ⅞ and ¹⅛ inches.

No. 80 All steel construction. Packed in a brown enameled steel box. Size of box, 1⅝x 3⅝x10⅝ inches. Shipping weight, 6 lbs... ..... Each, **$8.00**

One Box in a Carton

STANDARD WRENCHES FOR FORD CARS

MOSSBERG CYLINDER HEAD SCREW AND REAR AXLE HOUSING NUT WRENCH

Especially designed for all cylinder head cap screws (including those hard to get at under the dash) and rear axle housing bolts and nuts. Bar is of ½ inch chrome manganese steel, fitted at tee end with chrome manganese steel socket, round shape for minimum clearance. Burnished nickel finish.

½ Inch Hexagon Opening

Fits:
Coil box nuts.
Controller shaft bracket bolt nut.
Crank case lower cover screws
Dash bracket-to-dash bolt nut.
Differential drive gear screws.
Front fender apron to-frame bolt nut.
Muffler rod nut.
Rear axle housing bolts and nuts.
Rear fender iron bolt nut (runabout and coupe).
Running board-to-fender bolt and nut, front and rear
Steering tubing flange screw nut.
Tire holder bracket to-body and nut (on side).

⅝ Inch Hexagon Opening

Fits:
Commutator case support bolt.
Connecting rod cap bolt nut.
Cylinder head cap screws.
Cylinder head outlet connecting screws.
Cylinder water inlet connecting screws.
Demountable rim bolt nut.
Drive shaft roller bearing set screw.

No. 630 Length, 9¾ inch, with ½ and ⅝ inch hexagon openings; shipping weight of 12 wrenches, 8¼ lbs.....Each, **$0.73**

Twelve in a Carton

MOSSBERG MAIN BEARING NUT HOLDING WRENCH

When making adjustments of main bearing bolts, it is necessary to hold the nuts so they will not turn. No. 2149 slips in between the cylinders, grips these nuts and actually eliminates the need of another man. Bar is made of ⅝ inch chrome manganese steel. Deep dome top socket of special analysis steel, round shape for minimum clearance Burnished nickel finish.

Fits:
Brake shoe support bolt and nut.
Commutator lock nut.
Crank case front bearing and spring clip nut.
Crank shaft rear bearing bolt and nut.
Fan bracket bolt
Lamp bracket nuts
Main bearing nuts
Rear radius rod bolt and nut.
Spindle bolt nut.
Steering gear post castle nut.

No. 2149 Length, 10 inches with ¾ inch hexagon opening; shipping weight of 6 wrenches, 5 lbs.....Each, **$0.54**

Six in a Carton

MOSSBERG SPRING PERCH NUT WRENCH

Fits all spring perch nuts and particularly invaluable in shock absorber adjustment. Bar is made of ⅞ inch steel. Dome top sockets are of special analysis steel round shape for minimum clearance. Burnished nickel finish.

1⅛ Inch Hexagon Opening

Fits:
Drive shaft castle nut.
Front spring perch nut.
Rear axle shaft castle nut.

1 Inch Hexagon Opening

Fits:
Rear spring perch nut.

No. 634 Length, 10¼ inch with 1⅛ inch and 1 inch hexagon opening; shipping weight of 6 wrenches, 9 lbs.....Each, **$1.25**

Six in a Carton

MOSSBERG CYLINDER HEAD SCREW AND SPARK PLUG WRENCH

A utility wrench with great scope of work. Is an established type and is a good leader for service stations and repair shops. Especially adapted for getting at the last two cylinder heads under the dash Made of heavy special steel. Socket is of special steel alloy, properly hardened, round shape allowing minimum clearance. Burnished nickel finish.

⅝ Inch Hexagon Opening

Fits:
Cylinder iront cover cap screw (starter type)
Cylinder head cap screws.
Cylinder head outlet connecting screws.
Cylinder water inlet connecting screw.
Demountable rim bolt nut
Drive shaft roller bearing set screw.
Drive shaft roller bearing stud nut.

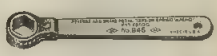
⅛ Inch Opening

Fits:
Spark plug.
Crank case drain coupling.
Differential housing oil plug.
Drive shaft castle nut.
Front spring perch nut.
Rear axle shaft castle nut.
Transmission band adjusting screw and nut.

No. 635 Length, 10 inches, with ⅝ inch hexagon and ⅛ inch openings. Shipping weight of 6 wrenches, 4¾ lbs....Each, **$0.85**

Six in a Carton

MOSSBERG RATCHET TENSION SPRING WRENCH

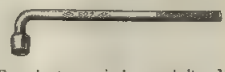


For use on reverse and brake pedal. Does a hard job easily. A fast moving item because it is made just for this work. Improved shape of ratchet also allows for adjustment of speed band. Made of heavy steel with properly hardened ratchet and spring Burnished nickel finish.

No. 645 Length, 6⅛ inches, with ⅛ inch octagon opening; shipping weight of 12 wrenches, 2⅞ lbs.....Each, **$0.50**

Twelve in a Carton

MOSSBERG MAIN BEARING BOLT WRENCH



For adjusting main bearing bolts. Made of one piece ⅝ inch bar, heavy forged steel, knurled handle, round shape for minimum clearance. Burnished nickel finish

⅞ Inch Square Opening

Fits:
Crank shaft bearing bolt.

No. 632 Length, 13¼ inches with ⅞ inch square opening; shipping weight of 6 wrenches, 9 lbs.....Each, **$1.10**

Six in a Carton

MOSSBERG FLY WHEEL CAP SCREW WRENCH

Is a heavy forged wrench designed to make the hardest adjustments in the fly wheel cap screws on Ford cars. Made of one solid piece of ¾ inch forged bar steel. Special heat treated to assure maximum strength. Knurled handle. Burnished nickel finish

⅞ Inch Opening

Fits:
Fly wheel cap screws.
Battery cable terminal nut on floor board.
Battery clamp bolt nut.

No. 636 Length, 11¼ inches, with ⅞ inch opening; shipping weight of 6 wrenches, 10½ lbs.....Each, **$1.25**

Six in a Carton

INTERCHANGEABLE HEAVY DUTY SOCKET ACCESSORIES

MOSSBERG RATCHET HANDLES

Made of heavy plate steel. Every part is properly balanced to give the greatest strength possible. Black japanned finish. Made especially to fit heavy duty sockets.

No. 357 Length 18½ inches. Shipping weight, 5 lbs. . . . Each, **$9.00**

One in a Carton

MOSSBERG OFFSET HANDLES

Made of ½ inch heavy steel bar. Especially made to set up large nuts and bolts with large series sockets fit. Black japanned finish

No. 324 Length, 15 inches. Shipping weight of 6 handles, 10 lbs.....Each, **$0.75**

Six in a Carton

MOSSBERG LONG EXTENSION BARS

Made of heavy steel tubing. Extension gives a vertical clearance of 18 inches when used with the ratchet handle. Black japanned finish.

No. 349 Length, 18 inches. Shipping weight of 6 bars, 17 lbs.....Each, **$2.00**

Six in a Carton

MOSSBERG SHORT EXTENSION BARS

Made of heavy steel tubing. Black japanned finish.

No. 348 Length 10 inches. Shipping weight of 6 bars, 10 lbs.....Each, **$1.45**

Six in a Carton

MOSSBERG RECONCILING UNITS

Made for adjusting extra heavy duty sockets with small series handles.

No. 344 Reconciling units.....Each, **$0.35**

Made so that small series sockets may be used with extra heavy duty handles

No. 338 Reconciling units.....Each, **$0.60**

MOSSBERG UNIVERSAL JOINTS

Made of steel. Burnished nickel finish. Fits handles, sockets, and bars. For heavy duty work

No. 337 Universal Joints . . . .Each, **$1.75**

VALVE GRINDERS

MOSSBERG

For Ford Cars

Made of bar steel with wood swivel top and grip. Burnished nickel finish. The points which engage in the two holes in the valve top are of the rocking type, giving rapid, steady turnover

No. 607 Length 4¾ inches, shipping weight of 6 grinders, 27½ oz.. . . Each, **$0.50**

Six in a Carton

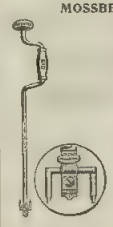
For Ford Cars

Made of ⅜ inch bar steel with top and center swivel grip handles Burnished nickel finish. Fits all valve tops except under the dash. Rocker points assure ease of operation and well ground valves.

No. 608 Length, 22½ inches; shipping weight of 6 grinders, 8½ lbs.....Each, **$0.90**

Six in a Carton

MOSSBERG UNIVERSAL

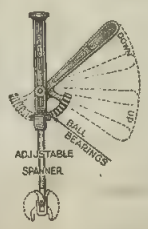


Made of ⅜ inch bar steel with top and center swivel grip handles. Burnished nickel finish. Serves all work in the grinding of valves, whether the valve tubes be slotted or holed. It is easily adjusted for either type. The length gives the operator an easy position for the repeated quarter turns, and rocker points assure constant engagement without slipping

No. 610 Length, 21 inches; shipping weight of 6 grinders, 8 lbs.....Each, **$1.25**

Six in a Carton

SIMPLICITY



For Ford Cars

Oscillating grinder with a range from ⅛ to 1¾ turns. Has natural easy, pump action. Handle leverage 5 to 1. A single gear, ball bearing direct drive grinder designed to turn the valve properly and its use cannot cause oval seats or ring cuts. Equipped to grind all valves, no loose drive plates, swivels, etc., to cause side pressure, insuring correct alignment of valves while grinding in.

No. 55 Length, 16 inches.....Each, **$3.00**

One in a Box

VALVE GRINDERS

MILLERS FALLS

Consists of steel gears and crank handle. Black enameled iron frame; Stained hardwood head shaped to give firm comfortable grip. Forward turns of the crank cause grinding head to reciprocate and make one complete revolution to ten turns of the crank. Ball Bearings insure free action and increase its power. Spanner points are adjustable and the flat blade is used for slotted valve heads.

No. 238 Length over all 13⅜ inches; length of spindle, 6¾ inches Weight, 2½ lbs.... . . . . .Each, **$3.40**

One in a Box

VALVE LIFTERS

MOSSBERG NEW PARALLEL

For Ford Cars

The double leverage lifting design gives an easily operated lifter for all Ford cars. The swinging bucket on the top end allows the spring to rise in the proper plane without binding, and the pins are then easily removed. The pivoted cup on the upper side allows perfectly parallel raise on the spring. All steel construction. Burnished nickel finish.

No. 654 Length, 7 inches; shipping weight, 10 oz .....Each, **$0.90**

One in a Carton

MOSSBERG UNIVERSAL

For removing and replacing valves in all kinds of motors. Fits up to and including heaviest trucks. Goes under the spring washers readily, raises with slight pressure of the fingers and locks securely with a ratchet.

No. 655 Length, 11½ inches; shipping weight of 2 lifters, 2¼ lbs..... Each, **$1.50**

Two in a Carton

VLCHEK

Drop forged steel, black japanned finish. The sliding cam increases the leverage as the valve spring is compressed and allows quick action with the slightest ease.

No. 814 Length, 9¼ inches; weight, 18 oz. ..... Each, **$2.25**

One in a Box

CHROME MOLYBDENUM STEEL INTERCHANGEABLE SOCKETS AND ACCESSORIES

MOSSBERG REVERSIBLE RATCHET HANDLES

Is a reversible ratchet handle that is responsible for the general adoption of interchangeable sockets. Made of heavy sheet steel. Buffed nickel finish.
No. 350 Length, 10 inches. Shipping weight, 18 ounces .....Each, **$2.25**
One in a Carton

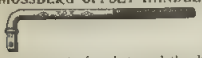
MOSSBERG 10 INCH EXTENSION BARS

Is a ten-inch extension bar when used with universal joints and other useful units gives the desired length to reach out of the way places.
No. 373 Length, 10 inches. Shipping weight of six, 5 lbs.....Each, **$0.60**
Six in a Carton

MOSSBERG 5 INCH EXTENSION BARS

Is a five-inch extension; is very useful in adjustments where clearance is at a minimum.
No. 372 Length, 5 inches. Shipping weight of 6 bars, 3 lbs.....Each, **$0.50**

MOSSBERG OFFSET HANDLES



An assortment of sockets and this handle will give you all the desired openings in offset wrenches
No. 333 Length, 9½ inches Shipping weight of 6 wrenches, 4 lbs... Each, **$0.35**
Six in a Carton

MOSSBERG 6 INCH TEE HANDLES

Is a very handy tee wrench for socket work in tight places.
No. 333 Length, 6 inches; width, 7½ inches Shipping weight of 6 handles, 6 lbs .....Each, **$0.65**
Six in a Carton

MOSSBERG SPEED BRACES

A popular Speeder among mechanics in taking down and assembling cars. Also a needed item for the car owner's wants.
No. 367 Length, 19⅝ inches. Shipping weight of 6 handles, 14 lbs.....Each, **$1.00**
Six in a Carton

MOSSBERG SLIDING TEES

The sliding Tee is not only an interchangeable Tee handle but can be used as an offset wrench.
No. 370 Length, 10 inches. Shipping weight of 6 wrenches, 5 lbs.....Each, **$1.25**
Six in a Carton

MOSSBERG UNIVERSAL JOINTS

Enables adjustments to be made in the most inaccessible places and actually allows "turning around a corner"
No. 368 Fits handles, socket and bars..... ..... Each, **$1.75**

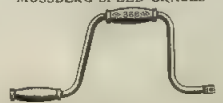
MOSSBERG CONNECTING BLOCK UNIT

Is a necessary unit so that Chrome Molybdenum steel sockets may be used with the No 330 ratchet handle.
No. 371 For use with No. 350 handle .... Each, **$0.35**

MOSSBERG 12 INCH TEE HANDLES

The revolving swivel handle is made for speed in spinning off or running down nuts, once the nut is loosened.
No. 332 Length, 12 inches; width, 7⅛ inches Shipping weight of 6 handles, 8 lbs. ..... Each, **$0.75**
Six in a Carton

MOSSBERG SPEED BRACES



An ideal wrench for the busy mechanic who must turn off the best work in the shortest possible time.
No. 366 Length, 14 inches Shipping weight of 6 handles, 11 lbs ....Each, **$1.10**
Six in a Carton

MOSSBERG FRICTIONLESS REVERSIBLE RATCHET UNITS

This ratchet is positive in action, can be reversed or locked in stationary position.
No. 369 Length, 2⅝ inches. Shipping weight, 7 ounces.....Each, **$2.50**
One in a Carton

MOSSBERG INTERCHANGEABLE SOCKETS

Chrome Molybdenum steel effectively guarantees sockets against "rounding" or "splitting" even though nuts are not fitted correctly. Height, 1⅝ inches. Shipping weight of 6 sockets, 1½ lbs.

Hexagon

Socket Opening Size Hexagon Inches	Fittings: U. S. Std. Nuts and Bolt Heads Size Inches	Fittings: S. A. E. Std. Nuts and Screw Heads Size Inches	Fittings: Hex. Head Cap Screws Size Inches	Each
7/16	..	3/4	3/4	$0.40
1/2	3/4	7/8	7/8	.40
9/16		15/16	15/16	.40
5/8	7/8	..	..	.40
11/16		1 1/16	1 1/16	.40
3/4	15/16	..	..	.40
13/16		1 1/32	1 1/32	.40
7/8	1 1/32	..	..	.40
15/16		.	1 1/16	.40
1	1 1/32	1 1/8	1 1/8	.40
1 1/16		1 3/16	..	.50
1 1/8	1 1/8	..	..	.50
1	..	1 1/4	1 1/4	.50

Six of a Size in a Carton

Square

Socket Opening Size Square Inches	Fittings: U. S. Std. Nuts and Bolt Heads Bolt Size Inches	Fittings: Sq. Head Coach Screws Screw Size Inches	Fittings: Sq. Head Cap Screws Screw Size Inches	Each
5/16	..	1/4	1/4	$0.40
7/16	..	..	5/16	.40
1/2	1/4	5/16	3/8	.40
9/16	..	3/8	7/16	.40
5/8	5/16	..	1/2	.40

Six of a Size in a Carton

STANDARD WRENCHES FOR FORD CARS

MOSSBERG CONNECTING ROD CLAMP SCREW WRENCH

A tool that will do the work it is designed to do quickly, efficiently, and completely. Made of one solid piece of ¾ inch forged bar steel. Knurled handle. Special heat treated to assure maximum strength. Burnished nickel finish

Fits
Connecting rod clamp screws.
Magnet bolts.

No. 638 Length, 9¼ inches, with ⅞ inch opening; shipping weight of 6 wrenches, 9¼ lbs. .....Each, **$1.25**

Six in a Carton

MOSSBERG MAIN BEARING BOLT "TEE" SOCKET WRENCHES

This is an exceedingly heavy duty wrench and should be ordered out for continuous service for adjustments on main bearing bolts with the motor out of the car, or on center bearing bolts when the motor is in the chasis. Bar is made of ½ inch heavy, chrome manganese steel. Socket is of special steel, round shape for minimum clearance Burnished nickel finish.

Fits
Crank shaft bearing bolts.

No. 619 Length, 12 inches, width of handle, 12 inches, with ⅞ inch square opening. Shipping weight of 6 wrenches, 20 lbs. ..... Each, **$2.00**

Six in a Carton

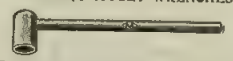
MOSSBERG EXHAUST PACK NUT WRENCH

Many leaks in the exhaust occur in and around the pack nut, just under the floor board of the car. No. 643 is a brute of a heavy forged wrench that sets this nut to stay. Black finish with polished head.

No. 643 Length, 12½ inches with 2⅛ inch opening. Shipping weight of 1 wrench, 3 lbs. .....Each, **$1.50**

One in a Carton

MOSSBERG OFFSET WRENCHES



Bar is made of ½ inch chrome manganese steel. Deep dome top sockets are of special analysis steel, round shape for minimum clearance Burnished nickel finish

Fits
Crank case lower cover screw
Differential drive gear screws.
Rear axle housing bolt and nuts.
Running board to-fender bolt and nut front and rear.
Steering tubing flange screw nut.

No. 2153 Length, 10 inches, with ½ inch hexagon opening. Shipping weight of 6 wrenches, 5 lbs.....Each, **$0.54**

Six in a Carton

MOSSBERG DOUBLE FOUR SOCKET WRENCH SET

Two Wrenches: 8 Sockets

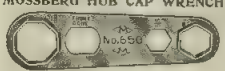
With just two wrenches, there are 8 socket openings and 77 possible adjustments on FORD cars that are reached by these two wrenches. Some adjustments on FORD cars are better made with the specially designed wrench which Mossberg has made for every individual place but—No. 1944 will cover most necessary demands, especially of owner drivers. No. 1901 is made of ½ inch special analysis steel bar, 9¼ inches long. 1904 is made of ⅝ inch special analysis steel bar, 11 inches long. Sockets are of cold drawn steel. Burnished nickel finish.

No.	Socket Opening Size Hex. Inches	L. S. Standard Nuts and Bolt Hex. Inches	A. S. E. Standard Screw Heads Screw Size Inches	Hex Head Cap Screws Screw Size Inches
1901	⅜		⅜	¼
	7/16	⅛	7/16	5/16
	½	..	½	⅜
	9/16	..	9/16	7/16
1904	⅝	⅜	..	..
	¾	..	⅝	½
	⅞	½	¾	⅝
	1	..	⅞	..

No. 1944 Set with ⅜, 7/16, ½, 9/16, ⅝, ¾, ⅞, 1 and 1⅛ hexagon openings. Shipping weight, 3¼ lbs. .....Per Set, **$2.75**

One Set in a Carton

MOSSBERG HUB CAP WRENCH



Made of heavy steel, burnished nickel finish
Fits:
Front and rear wheel hub caps
Front spindle adjusting cone.
Front spindle nut.
Rear axle shaft nut.

No. 650 Length, 8½ inches, with 1⅛ inch hexagon, 1⅛ inch octagon and front cone opening; shipping weight of 12 wrenches, 6 lbs. .....Each, **$0.20**

Twelve in a Carton

MOSSBERG MAIN BEARING BOLT RATCHET WRENCH

A quick action wrench for main bearing for front and center main bearing bolt heads. With the motor in the car, it fits center and front main bearing bolts. Fits all main bearing bolts with car disassembled. Bar is made of ½ inch round steel, parts properly hardened. Socket is of special analysis steel. Burnished nickel finish
Fits·

Crank shaft bearing bolts (center and front).

No. 620 Length, 10½ inches with ⅞ inch square opening. Shipping weight of 6 wrenches, 8 lbs. .....Each, **$2.50**

Six in a Carton

MOSSBERG BRAKE SHOE SUPPORT BOLT AND NUT, AND TRANSMISSION COVER BOLT AND NUT WRENCH

The two sizes of sockets on this wrench show the largest number of adjustments possible of any wrench combinations. Bar is made of ½ inch heavy steel, properly hardened. Sockets are round shape for minimum clearance. Burnished nickel finish.

⅞ Inch Hexagon Opening

Fits·
Ball and socket joint and nut.
Cam shaft bearing set screws.
Crank case arm bolt nuts, top and sides.
Crank case and cylinder cover cap screws.
Cylinder cover and crank case bolt and nut.
Cylinder front cover cap screws.
Cylinder valve cover screw
Dash-to-body bracket bolt nut.
Differential case stud and nut
Magnet bolts
Radiator stud nut.
Transmission cover bolt and nut.
Transmission cover screws
Universal ball cap bolt and nut.
Universal joint housing plug

¾ Inch Hexagon Opening

Fits·
Brake shoe support bolt and nut.
Commutator lock nut
Crank case front bearing and spring clip nut.
Crank shaft rear bearing bolt and nut.
Fan bracket bolt.
Front spring clip nut (previous to 1922).
Rear radius rod bolt and nut.
Spindle bolt nut.
Steering gear post castle nut.

No. 677 Length, 9⅝ inches with ⅞ and ¾ inch hexagon openings. Shipping weight of 6 wrenches, 7½ lbs.....Each, **$0.85**

Six in a Carton

STANDARD WRENCHES FOR CHEVROLET CARS

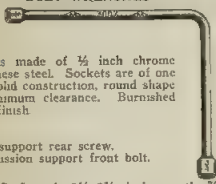
MOSSBERG RUNNING BOLT WRENCHES

Bar is made of ½ inch chrome manganese steel. Sockets are of one piece solid construction, round shape for minimum clearance. Burnished nickel finish.

Fits:
Rear axle housing oil plug
Running board bolt.

No. 3006 Length 4⅛x4¼ inches with ⅜ and ½ inch openings. Shipping weight of 6 wrenches, 3½ lbs.....Each, **$0.85**
Six in a Carton

MOSSBERG TRANSMISSION SUPPORT BOLT WRENCHES



Bar is made of ½ inch chrome manganese steel. Sockets are of one piece solid construction, round shape for minimum clearance. Burnished nickel finish

Fits:
Motor support rear screw.
Transmission support front bolt.

No. 3007 Length 9½x9½ inches with ¾ and ⅞ inch hexagon openings. Shipping weight of 6 wrenches, 18 lbs....Each, **$1.35**
Six in a Carton

MOSSBERG MAIN BEARING AND CYLINDER HEAD CAP SCREW WRENCHES

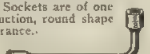
Bar is made of ⅝ inch chrome manganese steel. Sockets are one piece solid construction, round shape for minimum clearance. Burnished nickel finish

Fits:
Cylinder head cap screws.
Crank shaft main bearing screw.
Front axle spring clip nuts
Transmission support brace bolts.

No. 3008 Length 8¼x8¼ inches with ¾ and ⅞ hexagon openings. Shipping weight of 6 wrenches, 9 lbs.....Each, **$1.30**
Six in a Carton

MOSSBERG RADIATOR BOLT WRENCHES

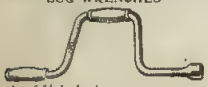
Bar is made of ½ inch chrome manganese steel. Sockets are of one piece solid construction, round shape for minimum clearance.



Fits:
Body bolt nuts.

No. 3009 Length 9½x3½ inches with ⅞ and ⅛ inch square openings. Shipping weight of 6 wrenches, 5½ lbs.....Each, **$1.00**
Six in a Carton

MOSSBERG DEMOUNTABLE RIM LUG WRENCHES



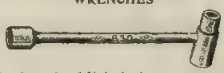
Bar is of ½ inch chrome manganese steel Socket is of one piece construction. End and center swivel grip steel handles. Properly heat treated. Burnished nickel finish.
No. 363 Length 14 inches with ¾ inch socket. Shipping weight of 6 wrenches, 10 lbs.....Each. **$1.10**
Six in a Carton

MOSSBERG UNIVERSAL WRENCHES

Bar is made of ½ inch chrome manganese steel. Sockets are of one piece solid construction, round shape for minimum clearance. Burnished nickel finish

Fits:
Bevel ring gear screws, rear axle.
Carburetor-to-intake manifold bolt.
Connecting rod cap screw.
Crank case-to-cylinder block nut.
Differential case nuts rear axle
Flywheel-to-crank shaft screw.
Generator support nut
Intake manifold flange screws.
Piston wrist pin screw.
Rear axle housing bolts and nuts.
Starting motor support screw.
Steering gear case cover screws.
Steering gear case bracket bolt.
Steering gear worm wheel clamp screws.
Tu rod yoke nut, front axle
Transmission case cover screw.
Universal ball housing collar bolts and nuts.
Valve rocker shaft cap screw.
No. 3001 Length 4x4 inches with ½ and ⅝ inch hexagon openings. Shipping weight of 6 wrenches, 8 lbs.....Each **$0.70**
Six in a Carton

MOSSBERG CYLINDER HEAD SCREW AND REAR AXLE HOUSING NUT WRENCHES



Bar is made of ½ inch chrome manganese steel, fitted at tee end with chrome manganese steel socket, round shape for minimum clearance. Burnished nickel finish.
Fits:
Bevel ring gear screws.
Rear axle housing bolts and nuts
Universal ball housing collar bolts and nuts.
Valve rocker shaft cap screw.
Water outlet to-cylinder screws
Water pump-to-cylinder screws
No. 630 Length 9¾ inches with ½ and ⅝ inch hexagon openings. Shipping weight of 12 wrenches, 8¼ lbs . . . . .Each, **$0.72**
Twelve in a Carton

MOSSBERG UNIVERSAL WRENCHES

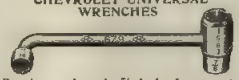
Bar is made of ½ inch heavy steel. Sockets are of one piece construction round shape for minimum clearance. Burnished nickel finish.
Fits:
Carburetor-to-intake manifold nuts.
Clutch collar adjusting screw
Connecting rod cap screw.
Cylinder head cap screw.
Differential case nuts rear axle.
Exhaust manifold flange screw.
Motor support front screw.
Propeller shaft housing rear screws.
Spring clip nuts, front and rear axle.
Starting motor support screw.
Steering gear case bracket bolt
Tie rod yoke nut.
No. 677 Length, 9⅜ inches with ⅞ and ⅝ inch hexagon openings. Shipping weight of 6 wrenches, 7½ lbs.....Each, **$0.85**
Six in a Carton

MOSSBERG WHEEL PULLERS

Has a free thrust bolt that enables the operator to tap the bolt head with a hammer in particularly difficult cases, with no injury to either hub threads or puller threads. Made of heavy drawn steel with adjustable grip clamp strap for assured safety to threads Burnished nickel finish.

Fits: Chevrolet Hubs
No. 660 Height 3⅝ inches with ¾ inch thrust bolt Shipping weight, 25 ounces . . ..Each, **$1.50**
One in a Carton

CHEVROLET UNIVERSAL WRENCHES



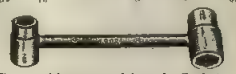
Bar is made of ⅝ inch heavy steel. Sockets are of specially drawn steel, round shape, allowing for minimum clearance. Burnished nickel finish

Fits: Front wheel hub flange nut; King bolt nut; Main axle shaft nut, rear axle; Plain arm nut; Rear wheel-to-brake drum screws; Spindle nut, front axle; Spring center bolts, front and rear axle; Tie rod ball nut.

No. 679 Length 10¾ inches with ⅞, ⅞ and 1⅛ inch hexagon openings. Shipping weight of 6 wrenches, 9½ lbs.....Each, **$1.25**

Bar is made of ½ inch chrome manganese steel. Round shape socket with thin walls, allowing for minimum clearance. Length 12 inches Shipping weight of 6 wrenches 10 lbs.

No.	Socket-Opening Size Hex. Inches	I. S. Standard Nuts and Bolt Hexagon Inches	S. A. E. Standard Nuts and Screw Hexagon Screw Size Inches	Hexagon Screws, Screw Size Inches	Each
2333	½	½	⅜	⅜	$0.63
2337	⅝	⅝	½	½	0.65



Bar is of heavy special steel. Sockets are of cold drawn steel. Burnished nickel finish.

Fits:

Front Axle	
King bolt.	Spring center bolt.
King bolt nut.	Spring clip nuts.
Plain arm nut.	Tie rod ball nut
Spindle nut	

Rear Axle	
Main Axle shaft nut.	Spring center bolt.
Motor support front screw	Spring clip nuts.

No. 1902 Length, 9½ inches with ¾, ⅞, 1⅛ and 1 inch hexagon openings. Shipping weight of 6 wrenches, 8 lbs.....Each. **$2.00**
All the Above, Six in a Carton

SOCKET WRENCH SETS

No. 9 MOSSBERG SET

Square bolts and nuts are fitted evenly by these sockets and with the power applied on all four sides of the bolt or nut or screw, the business of taking down or setting up machines, pulleys and fixtures can be performed quicker and with less effort than with other types of wrenches

Contents:

No. 350 Reversible Ratchet Handle, 10 inches long

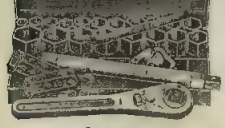
No. 351 Extension Bar, 9⅞ inches long.
No. 336 Universal Joint
No. 101 Offset Screw Driver.

Twenty six Guaranteed Sockets: hexagon Sizes ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, 1, 1 1/16, 1⅛, 1 3/16, and 1¼ inches. Square Sizes ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, and 15/16 inches.

No. 9 All steel construction. Packed in a brown enameled steel box. Size of box, 2⅛x5⅛x11⅛ inches. Shipping weight, 8½ lbs.....Each, **$9.75**

One Box in a Carton

No. 10 MOSSBERG SET



Contents:

No. 350 Reversible Ratchet Wrench 10 inches long.

No. 351 Extension Bar, 9½ inches long
No. 336 Universal Joint.
No. 101 Offset Screw Driver.

21 Sockets of guaranteed quality: Hexagon Sizes: 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 17/32, 9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 27/32, 7/8, 29/32, 15/16, 1, 1 1/32, 1 1/16, 1 3/32, and 1 1/8 inches.

Two Special Hexagon Spark Plug Sockets: No. 402, 4 inches long, 13/16 inch opening. No. 422, 4 inches long, 1 3/16 inch opening. Fitting Standard Spark Plugs.

No. 10 All steel construction. Packed in brown enameled steel box. Size of box, 2⅛x5⅜x10⅛ inches. Shipping weight, 8 lbs.....Each, **$9.75**

One Box in a Carton

No. 81 MOSSBERG SET

Contents:

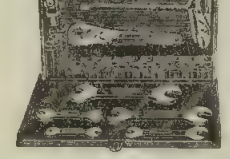
No. 350 Reversible Ratchet Handle.
No. 366 Speed Brace, 14 inches long.
No. 371 Connecting Block.
No. 378 Extension Bar, 10 inches long.
No. 372 Extension Bar, 5 inches long
No. 368 Universal Joint
No. 370 Sliding Tee, 10 inches long.
Three sizes of spark plug sockets:
No. 402 opening 13/16 inch hexagon.
No. 407 opening 15/16 inch hexagon.
No. 422 opening 1 3/16 inch hexagon

10 Chrome Molybdenum steel Heavy Duty sockets: Hexagon: ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, and 1 inches.

No. 81 All steel construction. Packed in a brown enameled steel Kennedy kit. Size of kit, 4½x11x14¾ inches. Shipping weight, 14 lbs.....Each, **$15.00**

One Kit in a Carton

No. 14 MOSSBERG COMPLETE-EST SET



Contents:

No 350 Reversible Ratchet Handle. No. 331 Solid "Tee" Handle, 11 inches long. No. 322 Offset Handle, 10 inches long. No. 351 Extension Bar, 9½ inches. No. 336 Universal Joint No 77 Combination Pliers, 6 inches long Five Engineers' Open end Wrenches Openings ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, and 1 inches Three sizes spark plug sockets. No 402 opening 13/16 inch hex. No 407 opening 15/16 incl. hex No 422 openings 1 3/16 inch hex.

Thirty-four guaranteed steel sockets: Hexagon: ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼, and 1 5/16 inches. Square: 3/8, ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, 1, 1 1/16, 1⅛, and 1 3/16 inches.

No. 14 All steel construction. Packed in a brown enameled steel Kennedy kit. Size of kit, 4½x12x14¼ inches. Shipping weight, 20 lbs.....Each, **$17.00**

One Kit in a Carton

No. 82 MOSSBERG HEAVY DUTY SET

Contents:

No. 350 Reversible Ratchet Handle. No. 323 Offset Handle, 9½ inches long. No. 332 Tee Handle, 12 inches long No. 366 Speed Brace, 14 inches long. No. 368 Universal Joint No. 333 Tee Handle, 6 inches long No. 367 Speed Brace, 10⅜ inches long. No. 369 Ratchet Unit, 2⅝ inches long. No. 370 Sliding Tee, 10 inches long No. 371 Connecting Block. No. 372 Extension Bar, 5 inches long. No. 373 Extension Bar, 10 inches long

Three sizes of spark plug sockets:
No. 402 opening 13/16 inch hexagon.
No. 407 opening 15/16 inch hexagon.
No. 423 opening 1 3/16 inch hexagon.

18 Chrome Molybdenum Steel Heavy Duty sockets: Hexagon: ½, 9/16, ⅝, 11/16, ¾, 13/16, ⅞, 15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼, and 1 5/16 inches. Square ⅜, ½, 9/16, and ⅝ inches.

No. 82 All steel construction. Packed in a brown enameled steel Kennedy kit. Size of kit, 4¼x11⅝x20½ inches. Shipping weight, 24 lbs.....Each, **$23.00**

One Kit in a Carton

No. 20 MOSSBERG EXTRA HEAVY DUTY SET

Contents:

No 357 Reversible Ratchet Handle, 18 inches long.

No. 324 Offset Socket Handle, 15 inches long.

No. 348 Extension, 10 inches long.
No. 349 Extension, 18 inches long.
No. 337 Universal Joint.

No. 338 Connection Bushing, for allowing use of Small Series Sockets with these handles

Fifteen Extra Heavy Duty Sockets: Hexagon Sizes: 13/16, 15/16, 1 1/16, 1 1/8, 1 3/16, 1¼, 1 5/16, 1⅜, 1 7/16, 1½, and 2½ inches.

No. 20 All steel construction. Packed in a selected chesnut box. Size of box, 21¼x9⅛x5¼ inches. Shipping weight, 20½ lbs.....Each, **$25.00**

One Box in a Carton

INTERCHANGEABLE SOCKETS AND ACCESSORIES

MOSSBERG SMALL SERIES

Are marked to exact opening of socket. The marking of each socket represents the short diameter of nuts, bolt heads and screw heads, plus the clearance. Are drawn by pressure from cold rolled steel, thereby retaining the necessary long grain in structure. Mottled and lacquered finish.

Hexagon

No.	Socket Opening Size Hex. Inches	Fitting: U. S. Standard Nuts and Bolts, Bolt Size Inches	Fitting: S. A. E. Standard Screws, Screw Size Inches	Fitting: Hex Head Cap Screws, Screw Size Inches	Each
110	7/32	..	..	..	$0.25
111	1/4	..	..	.	.25
112	9/32	.	.	.	.25
113	5/16	.	..	..	.25
114	11/32	.	.	..	.25
115	3/8	..	1/4	1/4	.25
116	13/32	..	.	.	.25
117	7/16	1/4	5/16	5/16	.25
118	1/2	.	.	.	.25
119	9/16	..	3/8	3/8	.25
120	5/8	..	7/16	..	.25
121	11/16	.	7/16	7/16	.25
122	3/4	.	.	.	.25
123	13/16	3/8	..	..	.25
124	7/8	..	.	.	.25
125	15/16	.	1/2	1/2	.25
126	1	7/16	..	..	.25
127	1 1/16	.	..	5/8	.25
128	1 1/8	..	..	..	.25
129	1 3/16	1/2	5/8	5/8	.25
130	1 1/4	..	..	..	.25
131	1 5/16	..	5/8	..	.25
132	1 3/8	..	3/4	.	.25
133	1 7/16	..	7/16	3/4	.25
135	1 1/2	5/8	5/8	..	.25
137	1 5/8	..	..	7/8	.25
141	1 3/4	3/4	7/8	1	.25

Square

No.	Socket Opening Size Square Inches	Fitting: U. S. Std Nuts and Bolts Bolt Size Inches	Fitting: Square Head Set Screws, Inches	Fitting: Square Head Coach Screws, Inches	Each
163	1/8	..	5/16	1/4	$0.25
164	13/64	..	7/16	..	.25
167	1/4	1/4	1/2	5/16	.25
169	9/32	..	5/8	3/8	.25
171	5/16	..	5/8	..	.25
173	11/32	.	11/16	..	.25
175	13/32	..	3/4	1/2	.25
179	7/16	1/2	7/8	7/16	.25
183	1 1/16	7/16	1	..	.25
187	1 5/16	..	..	3/4	.25
189	1 7/16	3/4	..	..	.25

Note: Add 1/32 inch over exact diameter of nut for clearance

MOSSBERG SPARK PLUG SOCKETS

In all the socket sets there are handles of various types—ratchet, offset, "Tee" and speed brace handles that fit these sockets. Sockets are of all steel construction. Mottled and lacquered finish.

No.	402	407	422
Length of Socket, Inches	3 1/16	3 1/16	3 1/16
Hexagon Openings, Inches	13/16	3/4	1 5/16
Weight, Ounces	10	10	10
Each	$0.36	.36	.36

One in a Carton

MOSSBERG RATCHET HANDLES

Made of heavy sheet steel. Burnished nickel finish. For use with interchangeable sockets.

No. 355 Length, 8 inches. Shipping weight, 11 oz. .....Each, **$1.25**

One in a Carton

MOSSBERG REVERSIBLE RATCHET HANDLES

Made of heavy sheet steel. Buffed nickel finish. For use with interchangeable sockets. **No. 350** Length, 10 inches. Shipping weight, 18 oz .....Each, **$2.25**

One in a Carton

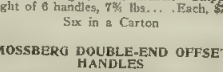
MOSSBERG REVERSIBLE RATCHET HANDLES

Bar is made of 1/2 inch chrome manganese steel. Ratchet parts are properly hardened. Butted nickel finish.

No. 890 Length, 10¼ inches. Shipping weight of 6 handles, 7¾ lbs... .Each, **$2.35**

Six in a Carton

MOSSBERG DOUBLE-END OFFSET HANDLES



Made of one piece 1/2 inch special bar steel. Burnished nickel finish. For use with interchangeable sockets.

No. 322 Length, 10 inches. Shipping weight of 12 wrenches, 8½ lbs . . ...Each. **$0.35**

Twelve in a Carton

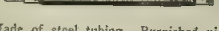
MOSSBERG SOLID TEE HANDLES

Made of one piece 1/2 inch special bar steel. Burnished nickel finish. For use with interchangeable sockets.

No. 331 Length, 11 inches; width, 7½ inches. Shipping weight of 6 handles 6½ lbs... .....Each. **$0.60**

Six in a Carton

MOSSBERG EXTENSION BARS



Made of steel tubing. Burnished nickel finish. Is essential to reach out-of-the-way places and to employ universal joints and other helpful units.

No. 351 Length, 9½ inches. Shipping weight of 12 bars, 8¼ lbs.....Each, **$0.60**

Twelve in a Carton

MOSSBERG UNIVERSAL JOINTS

Made of steel Burnished nickel finish. Fits handles, sockets and bars. Enables adjustments to be made otherwise impossible to reach.

No. 336 Shipping weight of 12 joints, 8 lbs. .....Each, **$0.55**

Twelve in a Carton

MOSSBERG DOUBLE END SPARK PLUG WRENCHES

Made to fit two sizes of body nuts and provide the best way to work on hot spark plugs. Completely protect the fragile porcelain of the plug. Handles are of 7/8 inch bar steel. Sockets are of all-steel construction. Burnished nickel finish

No.	455	457
Length of Socket, Inches	4	1
Hexagon Openings, Inches	13/16, 1 1/32	3/4, 1 3/32
Length of Handle, Inches	5 1/16	8 1/2
Weight, Ounces	10	10
Each	$0.45	.45
No.	458	
Length of Socket, Inches	4	
Hexagon Openings, Inches	1 3/32, 1 3/16	
Length of Handle, Inches	8 1/2	
Weight, Ounces	10	
Each	$0.45	

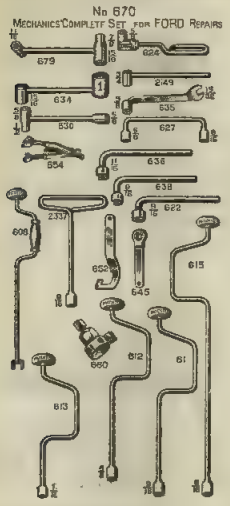
One in a Carton

COMPLETE REFERENCE LIST SPARK PLUG SOCKET FITTINGS

Equipment	Body Nut Size Inches	Wrench Numbers
A. C. Regular 7/8	1 1/16	457–458–422
A. C. Long 7/8	1 1/16	457–458–422
A. C. Dodge 7/8	1 1/16	457 458–422
A. C. S. A. E. Long 7/8	7/8	455–402
A. C. S. A. E. Regular 7/8	7/8	455–402
A. C. Metric 18	1	455–458
A. C. Regular 1/2 inch	7/8	455–402
A. C. Long 1/2 inch	7/8	455–402
A. C. Ford 1075	13/16	457 407
Champion Standard 7/8 No. 1	7/8	457–407
Champion Regular 7/8—No. 3	1 1/16	457–458–422
Champion Long Body 7/8 No. 1	1 1/16	457 458–422
Champion Long Regular 7/8 No. 3	1 1/16	457–458–422
Champion Long Standard 7/8 No. 6	13/16	457–407
Champion Long Standard 1/2 No. 7	13/16	457–407
Champion Metric Short 18—No. 8	13/16	457–407
Champion Metric Long 18—No. 9	13/16	457–407
Champion X	13/16	457–407

STANDARD WRENCHES FOR FORD CARS

MOSSBERG No. 670 GARAGE SET



20 Items for All Garage Work on Ford Cars

All items are of all steel construction, finished in burnished nickel.

Contains One Each

No. 608 Long Valve Grinder.
No. 611 Speeder, ⅞ inch opening
No. 612 Speeder, ⅝ inch opening.
No. 613 Short speeder
No. 615 Radiator and Fender.
No. 622 Crank shaft bearing bolt.
No. 624 Connecting rod wrench.
No. 627 Carburetor and generator.
No. 630 Triple end cylinder head screw and rear axle housing nut.
No. 634 Perch nut wrench
No. 635 Spark plug and cylinder head.
No. 636 Fly wheel cap screw wrench
No. 638 Wrist pin wrench.
No. 645 Reverse and brake pedal.
No. 652 Universal joint assembly.
No. 654 Valve Lifter.
No. 660 Wheel Puller.
No. 679 Triple end utility wrench.
No. 2149 Offset socket wrench, ¾ inch opening.
No. 2337 ⅞ inch "Tee" wrench.

No. 670 Garage Set Complete with 20 items. Shipping weight, 30 lbs. ..... Each, **$20.20**

Note: For complete list of uses for each wrench, see individual description pages

MOSSBERG No. 676 HANDY SET

All items are of ⅜ and ⅝ inch diameter heavy bar steel construction. Finished in burnished nickel. This set makes possible 67 adjustments.

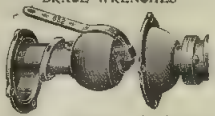
Contains One Each

No. 677 Double end utility.
No. 623 All connecting rods.
No. 679 Triple end utility
No. 645 Reverse and brake pedal tension springs.
No. 630 Cylinder head and rear axle housing.

No. 676 Handy Set Complete with 5 items. Shipping weight, 4¾ lbs.....Each, **$3.90**

Note: For complete list of uses for each wrench, see individual description, pages

MOSSBERG UNIVERSAL JOINT BRACE WRENCHES



Actually saves one man's time on this difficult job. No more "fishing" but a quick, clean assembly. Made of ⅝ inch heavy steel. Burnished nickel finish.

⅞ Inch Slot

Fits.
Universal Joint Knuckle (Male).

No. 652 Length, 8 inches; with ⅞ inch slot. Shipping weight of 6 wrenches, 4 lbs..... Each, **$0.40**

Six in a Carton

MOSSBERG SPECIAL SPEED BASE WRENCHES

For ⅞ Inch Cap Screws

Made of one piece ⅛ inch chrome manganese bar steel, properly heat treated. Deep round socket, allowing minimum clearance. Burnished nickel finish.

⅞ Inch Hexagon Opening

Fits
Coil box nuts.
Controller shaft bracket bolt and nut.
Crank case lower cover cap screws
Dash bracket-to-dash bolt and nut.
Front and rear spring retaining clip bolt.
Horn bolts and nuts.
Muffler rod nut.
Running board bolts and nuts.
Steering tube flange screw and nut.
Tire holder bracket to-body bolt and nut.
Differential drive gear screw.

No. 613 Length, 14⅛ inches, with ⅞ inch hexagon opening. Shipping weight of 6 wrenches, 9¾ lbs.....Each, **$0.82**

Six in a Carton

MOSSBERG TEE HANDLE WRENCHES

Long Pattern

Made of one piece ⅛ inch chrome manganese bar steel, properly heat treated. Round shaped sockets with thin walls, allowing minimum clearance, with reinforced faces. Burnished nickel finish.
Fits:
Crank case lower cover screw.
Differential drive gear screw.
Running board-to-fender bolt and nut, front and rear.
Steering tubing flange screw nut.

No. 2333 Length, 12 inches with ½ inch hexagon openings. Shipping weight of 6 wrenches, 10 lbs.....Each, **$0.65**

Six in a Carton

Long Pattern

Made of one piece ⅛ inch chrome manganese bar steel, properly heat treated. Round shaped sockets with thin walls, allowing minimum clearance, with reinforced faces. Burnished nickel finish.
Fits:
Connecting rod clamp screw.
Crank case and cylinder cover cap screws
Crank case arm bolt nuts, top and sides.
Cylinder valve cover screw.
Differential case stud and nut.
Inlet and exhaust clamp stud nut.
Transmission cover bolt and nut
Transmission cover screws.

No. 2337 Length, 12 inches with ⅞ inch hexagon opening. Shipping weight of 6 wrenches, 6 lbs. .....Each, **$0.65**

Six in a Carton

Long Pattern

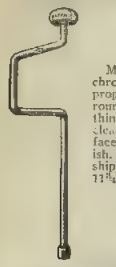
Made of one piece ⅛ inch chrome manganese bar steel, properly heat treated. Round shaped sockets with thin walls allowing minimum clearance with reinforced faces. Burnished nickel finish.
Fits.
Connecting rod cap bolt nut.
Crank case front bearing screw.
Cylinder head cap screws.
Cylinder water inlet connecting screws.

No. 2341 Length, 12 inches with ⅝ inch hexagon opening. Shipping weight of 8 wrenches, 10 lbs. .....Each, **$0.65**

Six in a Carton

SOLID SOCKET WRENCHES

MOSSBERG SPEED BRACE WRENCHES



Made of one piece ½ inch chrome manganese bar steel, properly heat treated. Deep round shaped sockets with thin walls allowing minimum clearance with reinforced faces. Burnished nickel finish. Length, 19¼ inches; shipping weight of 6 wrenches, 11¾ pounds.

No.	Socket Opening Size Hex. Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads. Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches	Each
2429	7/16	..	3/4	3/4	$0.90
2433	1/2	1/8	7/8	7/8	.90
2437	7/16	..	7/8	7/8	.90
2439	1/2	1/8	..	..	.90
2441	5/8	..	1/2	1/2	.90
2445	1/2	5/8	..	..	.90
2449	5/8	..	1/2	1/2	.90
2451	3/4	3/4	..	..	.90
2453	1/2	..	..	7/8	.90
2457	7/8	1/2	1/2	7/8	.90

Six of a Size in a Carton

MOSSBERG TEE HANDLE WRENCHES

Long Pattern

Made of one piece ½ inch chrome manganese bar steel, properly heat treated. Round shaped sockets with thin walls, allowing minimum clearance, with reinforced faces. Burnished nickel finish. Length, 12 inches. Shipping weight of 6 wrenches, 10 pounds

No.	Socket Opening Size Hex. Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches	Each
2329	7/16	..	1/2	1/2	$0.65
2333	1/2	1/4	7/8	7/8	.65
2337	7/16	..	7/8	7/8	.65
2339	1/2	1/8	..	..	.65
2341	5/8	..	1/2	1/2	.65
2345	1/2	5/8	..	..	.65
2349	5/8	..	1/2	1/2	.65
2351	3/4	1/8	..	..	.65
2353	1/2	..	..	5/8	.65
2357	7/8	1/2	1/2	5/8	.65

Six of a Size in a Carton

MOSSBERG SWIVEL JOINT TEE HANDLE WRENCHES

Makes adjustments possible that otherwise would require disassembling of interfering parts. Bar is made of ½ inch chrome manganese steel. Tapered sockets of special steel, round shape for maximum clearance. Burnished nickel finish. Length, 12 inches, shipping weight of 6 wrenches, 10¾ lbs.

No.	Socket Opening Size Hex Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads. Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches	Each
2833	1/2	3/4	7/8	7/8	$1.75
2837	5/8	..	1	1	1.75
2841	5/8	..	1 1/8	1 1/8	1.75
2849	3/4	..	1 1/2	1 1/2	1.75

Six of a Size in a Carton

MOSSBERG OFFSET WRENCHES

Notice the low clearance between the handle line of use and the socket. They do not tipp off the work. The bar handle goes through both walls of socket to give extra strength. Bar is made of ½ inch chrome manganese steel. Deep dome top sockets are of special analysis steel, round shape for minimum clearance. Burnished nickel finish. Length, 10 inches. Shipping weight of 6 wrenches, 5 pounds.

No.	Socket Opening Size Hex. Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads. Screw Size Inches	Hex. Head Cap Screws. Screw Size Inches	Each
2129	7/16	..	3/4	3/4	$0.54
2133	1/2	1/4	7/8	7/8	.54
2137	7/16	..	7/8	7/8	.54
2139	1/2	1/8	..	..	.54
2141	5/8	..	1/2	1/2	.54
2145	1/2	5/8	..	..	.54
2149	5/8	..	1/2	1/2	.54
2151	3/4	1/8	..	..	.54
2153	1/2	..	..	5/8	.54
2157	5/8	1/2	1/2	5/8	.54

Six of a Size in a Carton

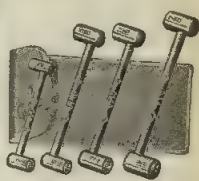
MOSSBERG FOUR WAY SOCKET WRENCHES

The "Four-Way" Socket Wrenches are the ultimate in economical and efficient motor work. Bars are of heavy special analysis steel. The sockets are drawn from old steel. Burnished nickel finish. Shipping weight, average 6 wrenches, 8 lbs.

	Socket Opening Size Hex Inches	Length Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads. Screw Size Inches	Hex Head Cap Screws. Screw Size Inches	Each
1901	7/16	9½	..	3/4	3/4	$1.00
	1/2		1/8	7/8	7/8	
	9/16		..	7/8	7/8	
	5/8		..	1	1	
1902	7/16	9½	1/8	7/8	7/8	2.00
	1/2		..	1	1	
	5/8		..	1 1/8	1 1/8	
	3/4		1/8	1	1	
1904	3/4	11	..	1 1/8	1 1/8	1.75
	7/8		1/8	1 1/4	1 1/8	
	1		..	1 1/4	..	
	1 1/8		1/8	1 1/4	..	
1911	1/2	9½	1/8	1	1	1.25
	5/8		1/8	1	1 1/8	
	3/4		1/8	1 1/4	1 1/8	
	7/8		1/8	1 1/4	..	
1912	1/2	11	1/8	1	1	2.00
	5/8		1/8	1 1/4	1 1/8	
	3/4		1/8	1 1/4	..	
	1 1/8		1/8	1 1/4	..	
	1 1/4		1/8	1 1/4	1	

Six of a Size in a Carton

MOSSBERG HEAVY DUTY REPAIR SETS



4 Wrenches in a Set

Set consists of 4 double end heavy duty socket wrenches especially designed for repair work. Put up in a canvas kit. Bar is made of ½ inch chrome manganese steel. Deep dome top sockets of heavy special steel, round shape for maximum clearance. Burnished nickel finish.

No.	Socket Opening Size Hex. Inches	Length Inches	U. S. Standard Nuts and Bolt Heads. Bolt Size Inches	S. A. E. Standard Nuts and Screw Heads. Screw Size Inches	Hex Head Cap Screws. Screw Size Inches
17F	7/16	7¼	..	3/4	3/4
	1/2		1/8	7/8	7/8
	9/16		..	7/8	7/8
17G	5/8	8¼	..	1	1
	11/16		..	1	1
17H	3/4	9¼	1/8	1	1
	13/16		..	1	1
17J	7/8	10¼	1/8	1	1
	1/8		..	1	1

No. 17 Repair Set Complete with 4 wrenches. Shipping weight, 4¾ lbs. Per Set, $4.00

STANDARD WRENCHES FOR FORD CARS

MOSSBERG SPINDLE CONNECTING ROD BOLT NUTS, SPINDLE ARM NUT, AND REAR HUB LOCK NUT WRENCH

A most useful wrench for some very difficult adjustments and is a supplementary tool in larger sizes for unusual work. Bar is of ⅝ inch heavy steel. Sockets are of specially drawn steel, round shape, allowing minimum clearance. Burnished nickel finish.

½ Inch Hexagon Opening

Fits:
Body bracket connecting bolt nut
Fan shaft nut
Front and rear spring hanger nuts
Spindle bolt with oiler
Spindle connecting rod bolt and nut
Steering yoke clamp bolt nut
Wheel hub bolt nuts

¾ Inch Hexagon Opening

Rear spring clip nut
Spindle arm nut

⅞ Inch Hexagon Opening

Differential housing oil plug
Drive shaft castle nut
Front spring perch nut
Rear axle shaft castle nut

No. 679 Length, 10⅝ inches, with ½ inch, ⅝ and ⅞ inch hexagon openings; Shipping weight of 6 wrenches, 9½ lbs...Each, **$1.25**

Six in a Carton

MOSSBERG GENERATOR THIRD BRUSH ADJUSTABLE WRENCH

Is a handy generator wrench. Made of special analysis steel. Burnished nickel finish.

No. 644 With ⅞ and ½ inch openings. Shipping weight of 12 wrenches, 1 lb..... Each, **$0.20**

Twelve in a Carton

MOSSBERG FOURTH CONNECTING ROD WRENCH

Is one of the best wrenches for adjusting connecting rod clamp screws and particularly quick acting on No. 4 connecting rod. Bar is of ½ inch heavy steel. Socket is of special analysis steel, round shape, allowing minimum clearance. Burnished nickel finish

Fits:
Connecting rod cap bolt nut
Cylinder head cap screws
Cylinder water inlet connecting screw

No. 628 Length 14½ inches, with ⅝ inch hexagon opening; Shipping weight of 6 wrenches, 10 lbs.....Each, **$1.75**

Six in a Carton

MOSSBERG CONNECTING ROD WRENCH

Fits the fourth connecting rod bolt and units without dismounting the motor. Bar is made of ½ inch chrome manganese steel. Deep dome top sockets of special analysis steel round shape for minimum clearance. Burnished nickel finish

Fits:
Commutator case support bolt
Connecting rod cap bolt nut
Crank case front bearing screw
Cylinder front cover cap screw (starter type)
Cylinder head cap screws.
Cylinder head outlet connecting screws.
Cylinder water inlet connecting screw.
Demountable Rim bolt nut.
Drive shaft roller bearing set screw.
Drive shaft roller bearing stud nut.
Timing gear cover.

No. 623 Length, 10¼ inches, with ⅝ inch hexagon opening; shipping weight of 6 wrenches 5¼ lbs . . . . . Each, **$0.58**

Six in a Carton

MOSSBERG CONNECTING ROD WRENCH

Fits the fourth connecting rod bolts and units without dismounting the motor. Bar is made of ½ inch chrome manganese steel. Ratchet parts properly hardened. Socket is of special chrome steel alloy, round shape for minimum clearance. Burnished nickel finish.

Fits:
Commutator case support bolt.
Connecting rod cap bolt nut.
Crank case front bearing screw.
Cylinder front cover cap screw (starter type).
Cylinder head cap screws
Cylinder head outlet connecting screws.
Cylinder water inlet connecting screw.
Demountable Rim bolt nut.
Drive shaft roller bearing set screw.
Drive shaft roller bearing stud nut.
Timing gear cover.

No. 624 Length, 10¼ inches, with ⅝ inch hexagon opening; shipping weight of 6 wrenches. 7¼ lbs..... Each, **$2.50**

Six in a Carton

MOSSBERG DEMOUNTABLE RIM BRACE WRENCHES

Made of one piece ½ inch chrome manganese bar steel with deep sockets. Properly heat treated. End and center swivel grip steel handles. Burnished nickel finish.

No. 361 Length, 14 inches; throw 5¼ inches with ⅝ inch hexagon opening. Shipping weight, 6 wrenches, 10 lbs.....Each, **$1.10**

Six in a Carton

MOSSBERG ⅝ INCH CAP SCREW WRENCH

So many nuts, bolts and screws on a Ford Car are of this size that this wrench is actually indispensable. Made of ½ inch chrome manganese steel, deep sockets of special analysis steel, round shape for minimum clearance. Burnished nickel finish.

Fits:
Crank case and cylinder cover cap screws.
Crank case arm bolt nuts, top and sides.
Cylinder cover and crank case bolt and nut.
Cylinder front cover bolt and nut.
Cylinder front cover cap screws.
Cylinder valve cover screw.
Inlet and exhaust clamp stud nut.
Radius rod ball cap stud nut.

No. 625 Length, 7¼ inches, with ⅝ inch hexagon opening. Shipping weight of 6 wrenches, 5 lbs.....Each, **$0.54**

Six in a Carton

SPECIAL DESIGN WRENCHES FOR INDIVIDUAL CARS

MOSSBERG

Bar is made of ½ inch heavy steel. Sockets are of one piece solid construction, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars:

Autocar, Chandler, Chevrolet, Cleveland, Dodge, Dort, G. M. C., Liberty, Oakland, Paige, Pierce-Arrow, Reo, Seldon, Studebaker, Wills-St. Claire.

No. 677 Length, 9¾ inches; width, ⅞ and ¾ inch hexagon openings. Shipping weight of 6 wrenches, 7½ lbs.....Each, **$0.85**

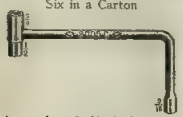
Six in a Carton

Bar is made of ⅞ inch heavy steel. Sockets are of one piece solid construction, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars:

Buick, Cadillac, Chandler, Cleveland, Chalmers, Dodge, Dort, Durant, Essex, G. M. C., Haynes, Hudson, Hupmobile, Jordan, Liberty, Lincoln, Maxwell, Mitchell, Nash, Oakland, Oldsmobile, Overland, Pierce-Arrow, Reo, Seldon, Studebaker, Wills-St. Claire, Winton.

No. 679 Length, 10¾ inches with 1⅛, ⅞ and 1⅜ inch openings. Shipping weight of 6 wrenches, 9¾ lbs.....Each, **$1.25**

Six in a Carton



Bar is made of ½ inch heavy steel. Sockets are of special steel, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars

Buick, Dodge, Winton, Chandler.

No. 2005C Length, 9⅞ inches with ½, ⅝ and ¾ hexagon openings. Shipping weight of 6 wrenches, 6 lbs.....Each, **$0.85**

Six in a Carton

Bar is made of special analysis steel. Sockets are of special steel, round shape, allowing for minimum clearance. Burnished nickel finish
Fits cars:

Chevrolet, Liberty.

No. 2010B Length, 8⅛ inches with ⅜ and ⅝ inch hexagon openings. Shipping weight of 6 wrenches, 4¾ lbs.....Each, **$0.90**

Six in a Carton

MOSSBERG

Bar is made of special analysis steel. Sockets are of special steel, round shape allowing for minimum clearance. Burnished nickel finish
Fits cars.

Autocar, Buick, Cadillac, Chandler, Chevrolet, Cleveland, Dodge, Franklin, G. M. C., Haynes, Seldon, Studebaker, Stutz.

No. 2010C Length, 8¼x8¼ inches with ¾ and ⅞ inch hexagon openings. Shipping weight of 6 wrenches, 7½ lbs....Each, **$0.85**

Six in a Carton

Bar is made of special analysis steel. Sockets are of special steel, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars:

Autocar, Buick, Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Scripps-Booth, Stutz.

No. 2010D Length, 9⅛ inches with ⅞ and 1⅛ inch openings. Shipping weight of 6 wrenches, 10¾ lbs.....Each, **$0.85**

Six in a Carton

Bar is made of special analysis steel. Socket is of special steel, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars:

Chandler, Chevrolet, Cole, Franklin, G. M. C., Grant, Jordan, Marmon, Maxwell, Pierce-Arrow, Seldon, Stutz, Wills-St. Claire

No. 2020D Length, 5⅝ inches with ⅛ inch hexagon opening Shipping weight of 6 wrenches, 18 ounces.....Each **$0.50**

Six in a Carton

Bar is made of special analysis steel. Sockets are of special steel, round shape, allowing minimum clearance. Burnished nickel finish.
Fits cars

Chalmers, Dort, Durant, Jordan, Liberty, Mitchell, Nash, Overland, Oldsmobile, Scripps-Booth, Studebaker, Stutz, Willy-Knight.

No. 2025A Length, 10 inches with ⅝ and ¾ inch hexagon openings. Shipping weight, 6¾ lbs.....Each, **$0.85**

Six in a Carton

MOSSBERG

Bar is made of special analysis steel. Sockets are of special steel, round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars.

Autocar, Buick, Cadillac, Chalmers, Chandler, Cleveland, Dodge, Dort, Durant, Essex, G. M. C., Haynes, H. C. S., Hudson, Hupmobile, Jordan, Lincoln, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Overland, Peerless, Pierce-Arrow, Reo, Scripps Booth, Seldon, Studebaker, Stutz, Willys-Knight, Winton

No. 2025B Length, 10¾ inches with 1 and 1⅛ inch openings. Shipping weight of 6 wrenches, 15 lbs.....Each, **$0.95**

Six in a Carton

Bar is made of special analysis steel. Sockets are of special steel. round shape, allowing for minimum clearance. Burnished nickel finish. Fits cars

Cole, Dort, Durant, Lincoln, Paige, Scripps-Booth, Studebaker, Willys-Knight.

No. 2026B Length, 8¼x8¼ inches with ⅞ and 1⅛ inch hexagon openings. Shipping weight of 6 wrenches, 8¼ lbs....Each, **$0.80**

Six in a Carton

Bar is made of ½ inch chrome manganese steel. Sockets are of solid construction round shape, allowing for minimum clearance. Burnished nickel finish.
Fits cars:

Autocar, Cadillac, Chalmers, Chandler, Chevrolet, Cleveland, Cole, Dodge, Dort, Durant, Essex, Franklin, Grant, G. M. C., Haynes, H. C. S., Hudson, Hupmobile, Jordan, Lincoln, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Paige, Pierce-Arrow, Peerless, Reo, Scripps-Booth, Studebaker, Stutz, Wills St. Claire, Winton.

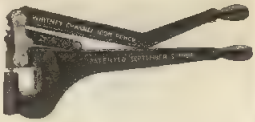
No. 3001 Length, 4¾x4¾ inches with ½ and ⅝ inch hexagon openings. Shipping weight of 6 wrenches, 8 lbs.....Each, **$0.70**

Six in a Carton

HAND PUNCHES.

WHITNEY PORTABLE.

No. 2. Capacity, 5/16 inch hole through ¼ inch iron; length overall, 23 inches; depth of throat 1 11/16 inches. Equipped with one die and one punch; state size wanted, ⅛ to ½ inch by 32nds. Wt. each, 14 lbs. ..Each **$20 00**



For Channel Iron.

Capacity, ¼ inch hole through ⅛ inch iron, punches to center of 4 inch channel iron with 1½ inch flanges; depth of throat 1 ⅞ inches. Length, 23 inches. Equipped with one die and one punch; state size wanted, ⅛ to ½ inch by 32nds.

No. 2C. Wt. ea., 16½ lbs. ..Each **$24 00**

Extra Dies.

Nos. 2 and 2C. 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32 and ½ inch.....Each **$1 00**

TINNERS' PUNCHES.

WHITNEY.

One Hand.

No. 4. Capacity, ¼ inch hole through 16 gauge iron; punches to center of 3¾ inch circle; equipped with 3 punches and dies; length, 8½ inches. Wt. each, 2¾ lb. .....Each **$8 00**

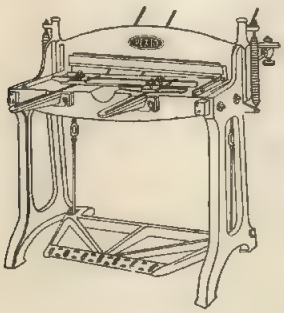
Extra Punches. 1/16 to 17/64x1/64 inch .....Each **$0 50**

Extra Dies. 1/16 to 17/64x1/64 inch .....Each **$0 50**

SHEET METAL WORKERS' MACHINES.

On the following pages we show the famous Peck, Stow & Wilcox Co's "Pexto" line of sheet metal workers' machines.

SQUARING SHEARS.



Silver City.

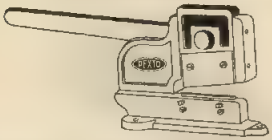
Capacity, 18 Gauge Iron and Lighter.

These new patterns are preferred over other shears owing to their extra wide Bed Plate and are so proportioned that they will cut up to the full rated capacity very much easier than any other similar shears of the same capacity. They are guaranteed to give very excellent service and Pexto high grade quality materials combined with thorough workmanship make them the most desirable up-to-date, medium weight shears that the market offers.

No. 132. Length for sheets, 30 inches wide; long front arms, 19 inches; length, rear gauge arms, 30 inches; width of bed, 14 inches. Wt., 510 lbs.....Each **$110 00**

SHEET METAL WORKERS' MACHINES.

CUT OFF SHEARS.

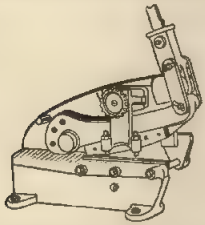


Capacity Iron or Steel, 1/16 Inch and Lighter.

This machine is constructed to cut sheet steel with the greatest ease. Its eccentric cutting device requires very little effort to cut sheet metal up to the full rated capacity. It will prove a handy machine for the shop, and on account of its light weight is easily carried to the job to be done outside

No. 253. Length of blades, 3½ inches; length of bed, 10 inches; height of bed, 6½ inches; length overall, including lever, 18 inches. Shipping wt., 17 lbs.....Each **$22 50**

LEVER SLITTING SHEARS.



Shipment from Factory only.

Capacity, 10 Gauge Iron and Lighter.

Will Cut Bar Iron ¼x1½ Inch.

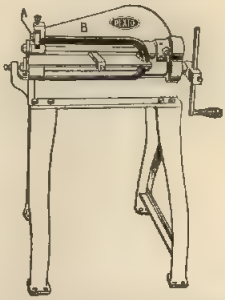
These Shears are commended for the Slitting of Sheets, length or crosswise, with ease to their full capacity. They are patterned so as to allow sheets to pass freely, and proportioned so as to obtain the greatest strength and durability. They are furnished with or without Rod Cutting Attachment.

It must be remembered that the service a Lever Shear will give depends greatly on the care exercised in keeping up the adjustments provided for the Blades and in keeping the Blades sharp.

No. 0296. Length of cut, 7¾ inches; length of gauge rod, 14½ inches, without rod cutting attachment. Shipping wt., boxed, approximately 175 lbs.....Each **$75 00**

No. R0296. Length of cut, 7¾ inches; length of gauge rod, 14½ inches, **with rod cutting** attachment. Shipping wt., boxed, approximately 180 lbs.....Each **$88 00**

SLITTING SHEARS.



Capacity, 16 Gauge Iron and Lighter.

These Shears will prove a time saver in any shop. They permit the most rapid means for slitting iron used in cornice, blow-pipe, ventilation work, etc. They may be utilized for conveniently cutting large irregular curves and circles when following a scribed line in a fraction of the time it takes to do the work with snips or bench shears. The Cutters are made from a special high grade tool steel, properly hardened and tempered and have two Cutting Edges, making them reversible. The Crank is adjustable to different leverages. Bearings (A) are adjustable to take up wear of the Cutters and the Cutting Head (B) is of compact construction and is mounted on heavy cast iron legs. A desirable substitute for the 8-foot Squaring Shears where floor space is limited.

No. 255. Dia. of cutters, 3 1/16 in.; depth cutting head to gauge 18 in., depth cutting head to frame 19 in., size table 20x8 inches. Wt., crated for shipment, 330 lbs..Each **$100 00**

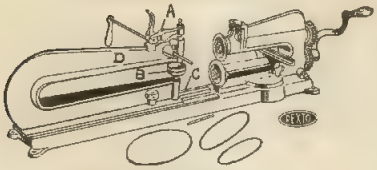
TINNERS' BENCH SHEARS.

As regularly made, bench shears have a right hand cut with the lower blade on the right side of the shear. These shears are much larger than the ordinary tinners' hand shears. Pexto bench shears are made of the high-grade metals and with the same skilled workmanship as characterizes the entire line.

Nos.	1	2	4
Cuts Iron, No.	18	19	20
Length of Cut, ins.	9	8¾	7⅝
Length over all, ins.	39	37	30
Wt., lbs.	24	19	12
Each	$18 50	16 50	13 50

SHEET METAL WORKERS' MACHINES.

CIRCULAR SHEARS.



Shipment from Factory only.

Capacity, 22 Gauge Iron and Lighter.

Most suitable for cutting outside circles, trimming or squaring tin plate, sheet iron, brass and copper.

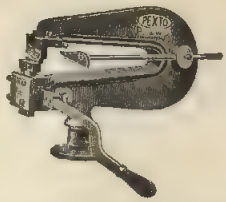
A polished graduated scale is attached to the bed for the purpose of securing quick and accurate adjustment of the sliding arm They are fitted with quick-acting eccentric lever, which clamps material between discs with great rapidity, and releases the blank instantly

Rubber covered discs which prevent the possible slipping of blanks is an exclusive Pexto feature

No. 278. Diameter cutters, 3 1/16 in.; diameter clamping discs, 2 inches; depth cutting head to gauge, 9¼ inches; depth cutting head to frame, 10¼ inches; depth circle arm, 16¼ inches. Will cut 2¾ to 22-inch circles from square blanks. Shipping wt., approx. 140 lbs. boxed...Each **$66 50**

No. 280. Capacity, 18 gauge iron and lighter; diameter cutters, 3½ inches; diameter clamping discs, 2¾ inches; depth cutting head to gauge, 9¾ inches; depth cutting head to frame, 10¼ inches; depth circle arm, 22¼ inches; will cut 3 to 31 inch circles from square blanks. Shipping wt., approx. 300 lbs. boxed.....Each **$85 00**

SCROLL SHEARS.



Shipment from Factory only.

Capacity, 20 Gauge Iron and Lighter.

Will cut circles, ovals, ogees and all irregular shapes with the greatest ease. Are well adapted for cutting from the center of a sheet.

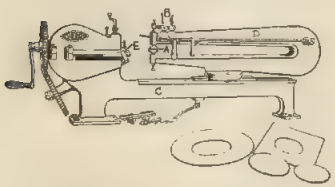
Mounted in a standard which screws to the bench and adjustable to any angle required.

The length of cut is regulated by means of a set screw in bottom of lower blade holder cap. To shorten cut, turn screw in; to lengthen cut turn screw out. Upper blade can be adjusted for wear by means of the two rear adjusting screws.

No. 268. Length of cutting blades, 4 inches; depth cutting head to gauge, 10¾ inches; depth cutting head to frame, 12 inches. Shipping wt., approx. 100 lbs. boxed. Each **$55 00**

No. 269. Length of cutting blades, 4¼ inches; depth from cutting head to gauge 17 inches; depth from cutting head to frame, 18¼ inches. Shipping wt., approximately 140 lbs. boxed .....Each **$67 50**

RING AND CIRCULAR SHEARS.



Shipment from Factory only.

Capacity, 20 Gauge Iron and Lighter.

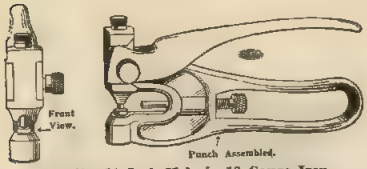
These improved patterns make a very useful and efficient bench ring and circular shears intended for cutting circles or internal rings and irregular curves. In circular cutting the blanks are clamped between rubber covered discs by means of a quick acting, eccentric lever device adjustable for exerting extreme uniform pressure to prevent the work from slipping and insuring more accurate cutting. This method permits the clamping and removing of blanks with greater rapidity than with old crank screw method. The bed on which the tail piece slides is graduated in inches and fractions of inches for quick setting of the tail piece for the size of circle to be cut. The angular position of cutters allows for as clean cutting on the inside as on the outside of circle.

No. 298. Diameter of cutters 1⅝ inches; diameter of clamping discs, 2¼ inches; depth from cutting head to gauge, 9⅛ inches; depth from cutting head to frame, 10 inches; depth of circle arm, 16¾ inches. Will cut circles 3¼ to 22 inches from square blanks. Will cut rings as small as 3¼ inches, inside diameter, and as large as 22 inches, outside diameter. Shipping wt., approximately 200 lbs. crated .....Each **$84 00**

No. 299. Diameter of cutters, 1⅝ inches; diameter of clamping discs, 2¼ inches; depth cutting head to gauge, 9⅛ inches; depth cutting head to frame, 10 inches; depth circle of arm, 30½ inches; will cut circles, 3¼ to 42½ inches from square blanks; will cut rings small as 3¼ inches inside diameter, and as large as 42½ inches outside diameter. Shipping wt., approx. 300 lbs. crated.....Each **$109 00**

SHEET METAL WORKERS' MACHINES.

WIZARD HAND PUNCHES.



Capacity, ¼ Inch Hole in 18 Gauge Iron.

The Wizard Hand Punch works like magic, it is powerful in action, and Drop Forged from Steel. Excluding the Punch and Die, only five parts are used in its construction. No links to spring, no rivets to split or strip. No pins, small screws and other parts to become easily worn or lost.

To remove the Punch, take out the easy-working Knurled Head Screw (5). The Die is slotted and has a screw thread, easily removed with the ordinary screw driver. A simple Gauge is fitted and which is adjusted through turning Knurled Head.

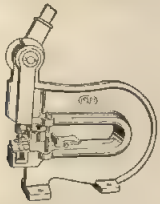
A powerful, and the simplest, easiest-working, interchangeable Hand Punch ever devised for meeting the exacting demands of the mechanic in the shop and for out-of-shop work.

The Wizard is guaranteed to withstand the general hard usage which a Hand Punch usually undergoes. An actual test will prove the advantages gained by the use of this little tool.

No. 789C. Furnished regularly with ⅛, 3/16 and ¼ inch punches and dies; 5/32, 7/32 and 17/64 inch sizes can be furnished from factory. Length overall, 8¼ inches; depth of throat, 1½ inches. Wt., 3 lbs.....Each **$10 00**

One in a box.

SAMSON PUNCHES.

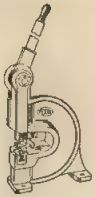


Shipment from Factory only.

With Adjustable Gauge.

Pexto Samson Punches are designed for great strength and rigidity, making them exceptionally useful machines for general work. The deep throat in these machines will be found a great advantage. The dies and punches as regularly made are intended for use on stock up to their full rated capacity but where clean punching in tin or light metal is desired, a closer fitting die is preferable which can be furnished when so ordered at the price of the regular dies. Fitted with adjustable gauge.

No 675. With stay bolts in place will punch 9 gauge iron; with stay bolts removed, 12 gauge. Depth of throat to frame, 15 inches; to gauge, 14½ inches. Will center sheets 7 inches wide when stay bolts are in place, 30 inches wide when stay bolts are removed. Furnished with three sets of dies and punches: ⅜, 3/16 and ½ inch. Shipping wt., approx. 160 lbs. boxed.....Each **$50 00**



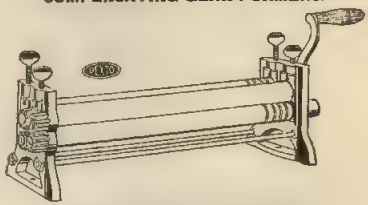
No. 676. With stay bolts in place will punch ⅝ inch holes in 5/16 inch iron and with stay bolts removed will punch ⅜ inch holes in 3/16 inch iron; depth throat to frame, 15 inches; depth throat to gauge, 14½ inches; with stay bolts in place will center sheets 7 inches wide; with stay bolts removed will center sheets 30 inches wide; furnished with 3 sets of dies and punches, ¼, 5/16 and ⅜ inch. Shipping wt., approx. 240 lbs.....Each **$100 00**

BABY HANDY SEAMERS.

A handy pocket seamer, very useful where a larger seamer would not be practical. It is adjustable for seams of different widths and as it is light, it can be carried in tool kit or pocket, making a handy tool for outside work.

No. 791. Length of blade, 3½ inches; width, ⅞ inch; size overall, 7¼x3½ inches. Adjustable for seams up to ⅞ inches. Wt. each, 1 lb.....Each **$3 00**

COMPENSATING GEAR FORMERS.



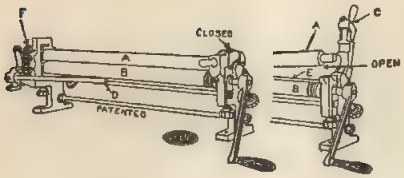
Capacity, 22 Gauge Iron and Lighter.

These Formers have Solid Housings and are fitted with machine cut Steel Compensating Gears. Gears to run smoothly should mesh constantly to a certain depth and the shape of the teeth should be accommodated to such depth. In these Formers the gears on the Gripping Rolls do not mesh with each other but with two extra fitted to the frame when the Gripping Rolls are moved the mesh of the gearing is unchanged. This insures uniformity of action and durability for the gears, they running more smoothly than cast iron cogs without danger of slipping or breaking with whatever thickness of metal is used. Grooves cut in rolls are intended to allow work with a wire to be formed; wire should only be formed between the grooves cut for that purpose.

No. 373. Length of rolls for sheets 30 inches wide; diameter of rolls, 2 inches. Wt.,approx.140 lbs. boxed.Each **$40 00**

SHEET METAL WORKERS' MACHINES.

LIGHTNING SLIP ROLL FORMERS.



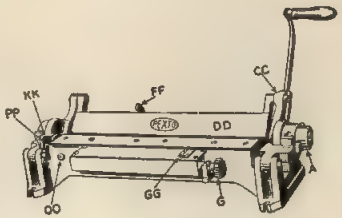
Capacity, 22 Gauge Iron and Lighter.

New original Pexto Features are embodied in these Forming Machine Patterns that place them in a class by themselves. They are greatly improved over their old Slip Roll Pattern Forming Machines and those which the present market offers. A careful study of the illustration shows that the time and steps saved through being able to perform all operations at one end of the machine the convenient end where the crank is fitted. Without necessitating the changing of positions the sheet to be formed is placed between the Gripping Rolls (A) and (B). The cylinder formed, open Latch (C), then by means of Lever (D) raise Upper Gripping Roll (A) and slip the formed cylinder from the Roll (A). It will be readily seen that all operations are performed at the crank end of the machine—a Pexto innovation that can be well appreciated by the mechanic who has operated the old pattern Slip Roll Former. Rolls (B) and (E) are adjusted with knurled Screws, and once adjusted they cannot slip. The Gears (F) are steel, machine cut, running more smoothly than cast iron gears, without danger of slipping or breaking with whatever thickness of metal is used. Grooves cut in rolls are intended to allow work with a wire to be formed.

The Roll Raising Mechanism in these machines is so balanced that the Roll (A) is easily lifted with a slight pressure on the Lever (D). The Latch (C) is released and closed with one movement, and is self-locking.

No. 382. Length rolls for sheets 30 inches wide; diameter of rolls, 2 inches; gripping rolls A and B have an extreme clearance of ½ inch. Wt. approx. 185 lbs., boxed .....Each **$60 00**

ARROW BAR FOLDERS.



These Folders, recently improved, have been giving universal satisfaction for a great many years. They are intended for forming the edges of sheet metal at various angles. They will produce closed locks as well as open or round locks for inserting a wire in the flat sheet.

The tough mixture of good iron and accurate designing evidenced only in the Pexto Line of Folding Machines makes up for proper proportionment of the Folding Bar eliminating cumbersome weight, and where speed and great durability are essential, especially in tinware and other light manufacturing, these patterns will prove superior over any other makes.

Open or round locks for wiring are made by raising the Folding Bar (CC) at right angle. The Wing (DD) is then adjusted for the size of wire to be used through the setting of Wedge (FF) that moves to left and right on Folding Bar. An improvement consisting of a Pin in the frame prevents the dropping of the Wing below the Gripping Jaw the Wing (DD) dropping in a proper position automatically in the process of folding, producing accurate and uniform round locks. This improved adjustment permits for more rapid execution, the blanks sliding more easily between the Gripping Jaw without obstruction.

Gauge (GG) is adjustable, and regulates the width of fold by turning Gauge Knob (G). The width to which the Gauge is adjusted is indicated on graduated brass plate and after set is firmly secured through Lock Screw (OO).

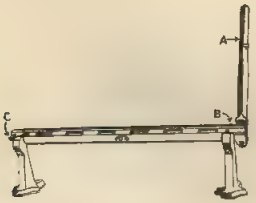
Adjustable Stop (A) is provided to permit the forming of any desired angle, in addition to regular Square and Bevel Steps (KK-PP).

A Gripping Jaw clamps the material securely while the bending takes place, guaranteeing the forming of square joints or angles, narrow or wide locks of uniform width the entire length.

No. 63. Capacity 3/16 inch locks on No. 22 gauge iron and lighter, ⅛ inch locks on No. 24 gauge iron and lighter, 3/32 inch locks on XX tin; length for sheets 30 inches wide; will form closed and open locks ⅛ to 1 inch and will form open locks to receive wire up to ¼ inch. Wt. approx., 140 lbs. boxed .....Each **$30 00**

SHEET METAL WORKERS' MACHINES.

WRIGHT'S PIPE FOLDERS.

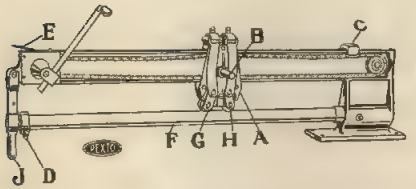


Capacity, No. 24 Gauge Iron and Lighter.

Will fold the edges of sheets formed in cylindrical shape, also for edging sheets while in the flat; for folding the edges of pipe of light material, for stove pipe, etc., this pattern is preferable over the Champion Pattern Pipe Folder as it will close down the lock ready for grooving with little or no malleting; gauge is adjustable for forming two sizes of locks, ¼ and ⅜ inches. Using strips of 22 gauge soft steel cut to correct width and placed under lip of folding blade, locks ⅛ and ⅝ inch can be formed.

No. 1 For length of sheets, width 30 inches; will form locks ¼ and ⅜ inches. Shipping wt. approximately 80 lbs. boxed .....Each **$45 00**

RAPID GROOVERS.



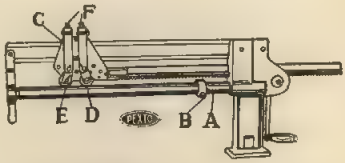
Capacity 24 Gauge Iron and Lighter.

The best machine of its kind for grooving the longitudinal seams in stove pipe and other sheet metal cylinders. It differs from the ordinary groovers in that it is more rapid as the operator stands in front of the machine and does not have to change his position when inserting and removing work and operating the machine. The traveling carriage is quickly and easily returned to the starting point by means of handle (A). Adjustable stop (C) on upper bar stops the traveling carriage at any desired point to suit length of work. Adjustable stop on lower bar prevents work from slipping while being grooved. A spring (E) holds latch out of the operator's way while work is removed and inserted in the machine.

Lower bar or horn is reversible so that either the flat surface or one of the grooves which is planed into the horn can be turned upward, permitting the locating of seams on the inside or the outside of the work. The seam is put on the inside of work by means of flat roll which press the seam into one of the grooves planed into the horn. Outside grooving is done in the usual manner by using the grooved roll and flat surface of horn. The traveling carriage (A) has two rolls, one for grooving (G) and one for flattening (H) the seam at the same operation. The grooving carriage (A) is so arranged that the flattening roll (H) runs idle on the outward run and the grooving roll (G) idle on the backward run The two rolls do not press the seam at the same time, therefore easy grooving is assured. The carriage bar and grooving horn are steel.

No. 518. Will groove work 30 inches long and pipe as small as 2 inches in diameter. Rolls are furnished, one each with ¼, 5/16 and ⅜ inch grooves and one flattening roll. Shipping wt., approximately 200 lbs. boxed....Each **$75 00**

GENERAL PURPOSE GROOVERS.



Capacity, 22 Gauge Iron and Lighter.

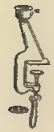
These machines are constructed for general grooving and have an improvement consisting of an attachment which grooves and flattens the seams of cylinders in one operation. Lower Bar or Horn (A) is reversible, so that either the flat surface or one of the grooves which is planed into the Horn can be turned upward, permitting the locating of seams on the inside or the outside of the work. The seam is put on the inside of work by means of Flat Roll which presses the seam into one of the grooves planed in the Horn; outside grooving is done in the usual manner by using the Grooved Rolls on flat surface of Horn. An Adjustable Stop Collar (B) is fitted on Lower Horn (A) to prevent work slipping while being grooved.

An improved feature will be found in the Carriage (C) which holds Flattening Roll (D) and Grooving Roll (E) The Flattening Roll (D) runs idle on the outward run and the Grooving Roll (E) runs idle on the backward run. In other words, both Rolls do not press on the seam at the same time, which makes for easy grooving. The old style Friction Spring and Roll for tension are not used, the tension being secured through a more simple arrangement at (F), which permits of greater uniformity in the seams grooved and eliminates frequent spring breakage. Furnished with ¼, 5/16 and ⅜ inch grooving rolls and one flattening roll.

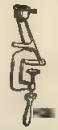
No. 506. Will groove work 20 inches long; 2 inches is the smallest diameter of pipe that can be grooved. Shipping wt. approximately 170 lbs. boxed .....Each **$65 00**

SHEET METAL WORKERS' MACHINES.

BENCH STANDARDS.



Regular Offset
No. 975.

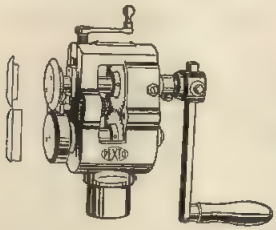


Wiring Offset
No. 976.

Extra Heavy
No. 978.

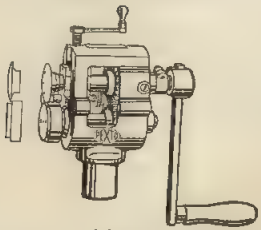
Nos.	975	976	978
Size hole, inches	1⅝	1⅝	2½
Height overall from bench, inches	9¾	9¾	9⅞
Shipping wt., each, lbs.	10½	11	24
Each	$2 75	2 75	5 25

WIRING MACHINES.



No. 525. With standard. Diameter of rolls, 3 inches. Will receive wire up to No. 0 gauge. Furnished complete with offset bench standard No. 976. Shipping wt., 31 lbs. ..... Each **$30 00**

BURRING MACHINES.



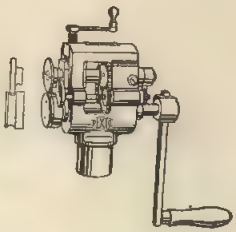
Columbian.

Burring machines in open pattern with solid frame of improved design well known for their splendid wearing qualities, accuracy and ease of operation. The rolls are forged from special high grade material giving extreme wearing qualities to the fine edge in the rolls necessary to produce a satisfactory uniform flange on a number of blanks. Furnished complete with No. 976 standard.

No. 576. Small; with standard. Diameter of rolls, 1½ inches; widest flange or burr that can be turned, 3/16 inch. Shipping wt., 21 lbs. ..... Each **$24 00**

No. 577. Large; with standard. Diameter of rolls, 2⅛ inches; widest flange or burr that can be turned, ¼ inch. Shipping wt., 25 lbs. ..... Each **$25 00**

TURNING MACHINES.



Columbian.

A highly serviceable turning machine with solid open frame of the highest grade of excellence The tinsmith or sheet metal worker will find in these patterns every modern improvement combined with the highest quality materials. Furnished complete with No. 976 standard.

No. 541. Small; with standard. Diameter of rolls 2 1/16 inches; smallest diameter of wire that can be used, 10 gauge; largest, 7 gauge. Shipping wt., 25 lbs. . . Each **$26 00**

No. 542 Large; with standard. Diameter of rolls, 3 inches; smallest diameter of wire that can be used, 9 gauge; largest, 4 gauge. Shipping wt., 31 lbs. . . Each **$27 00**

SETTING DOWN MACHINES.

Columbian.

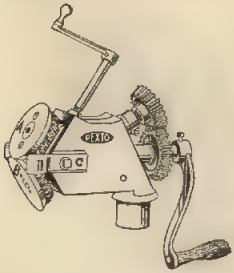
Capacity 24 Gauge Iron and Lighter.

The extra small faces on this machine make it possible to burr or flange very small can bottoms and bodies. This feature adapts the machine to work where a machine with larger rolls would prove impracticable. Furnished with No. 975 standard.

No. 556. For seams up to 3/16 inch. Shipping wt., approximately 28 lbs. ..... Each **$26 00**

SHEET METAL WORKERS' MACHINES.

SETTING DOWN MACHINES.



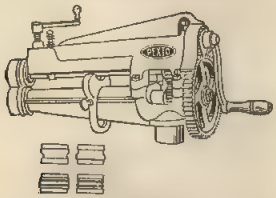
Pexto.

Capacity 24 Gauge Iron and Lighter.

The improvements in this setting down machine adapts it for setting down the seams on differently shaped vessels to better advantage than any other design. The inclined position of both upper and lower faces allows work to be held up or down and seams to be started inward while setting down, thereby facilitating the operation of double seaming. Adjustable gauges with idler rollers are fitted. Furnished with No. 975 standard.

No. 561. With standard. For seams up to ⅝ inch wide. Shipping wt., approximately 60 lbs. .....Each **$32 00**

BEADING MACHINES.



Standard.

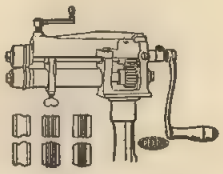
Capacity 20 Gauge Iron and Lighter.

Furnished with three sets of rolls—single bead, ogee bead and triple bead.

No. 617. Depth of throat to frame, 13 inches; to gauge, 12 inches; distance between shaft centers, 2⅝ inches; diameter of rolls, 2¾ inches; width of rolls, 1⅞ inches; ratio of gearing, 3 1/3 to 1. Sizes of beads in rolls, single, ⅜ inch; ogee, 1 inch; triple, 1 inch. Furnished with No. 978 standard. Shipping wt., approximately 165 lbs. boxed .....Each **$65 00**

No. 619. Depth of throat to frame, 7½ inches; to gauge, 6¾ inches; distance between shaft centers, 2½ inches; diameter of rolls, 2⅝ inches; width of rolls, 1⅝ inches; ratio of gearing, 2½ to 1. Sizes of beads in rolls, single, 5/16 inch; ogee, ⅞ inch; triple, ⅞ inch. Furnished with No. 978 standard. Shipping wt., approximately 110 lbs. boxed .....Each **$55 00**

BEADING MACHINES.



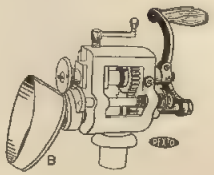
Light.

Capacity 24 Gauge Iron and Lighter.

Furnished with four pairs of rolls—one pair each ogee, ¾ inch; triple, ⅝ inch and single, ¼ and 3/16 inch. Furnished with No. 975 standard.

No. 620. Depth of throat to frame, 6¼ inches; to gauge, 5½ inches; diameter of rolls, 1 15/16 inches; width of rolls, 1 7/16 inches; distance between shaft centers, 1⅞ inches. Shipping wt., approx. 50 lbs. boxed....Each **$40 00**

ELBOW EDGING MACHINES.



Columbian.

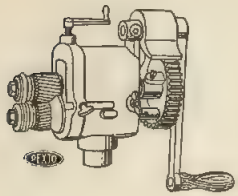
Capacity 24 Gauge Iron and Lighter.

For a small output of elbows this pattern will answer the purpose, but for a large elbow manufacturer we suggest a more rigid machine. Furnished with No. 975 standard.

No. 551. Diameter of rolls 2⅛ inches. Shipping wt., approximately 25 lbs. .....Each **$26 00**

SHEET METAL WORKERS' MACHINES.

CRIMPER AND BEADER.



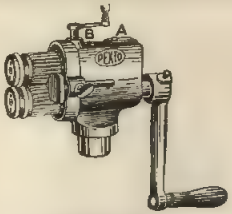
Interchangeable.

Capacity 20 Gauge Iron and Lighter.

For producing a neat, uniform crimp and bead or crimp without bead these machines recently made from new patterns will be found superior to any other make for general pipe crimping or beading. They have been designed with a view to giving maximum strength and rigidity and can be depended upon for producing snug fitting pipe joints that hold when put together. A very practical feature is offered in the arrangement of the driving gears. Two speeds are provided for; back geared for heavy stock and direct drive when lighter gauges of materials are used. The driving gears can be removed and the machine converted instantly into a direct acting crimper by attaching the crank to lower shaft. Connecting gears are of machine cut steel the frame and cap machined to insure perfect fit of all working parts for accurate and uniform work. Rolls are made of a high grade steel, scientifically hardened and the gauge is of extra wide proportions made from tool steel properly hardened. Adjustments are provided for regulating the relative depth of crimp and bead. The adjustment will be found in a wedge between the rear bearings. This wedge is adjusted by wing nuts in front and back of frame near handle end. The upper shaft can be tipped toward front or back as desired thus making a deep crimp and shallow bead or shallow crimp and deep bead. Face of rolls are flush with their arbors. When the blank rolls as furnished are placed behind the crimping rolls a plain crimper is procured. Furnished with No. 975 standard.

No. 535. Diameter of beading rolls 1 15/16 inches, diameter of crimping rolls, 1 13/16 inches, width of crimp rolls 1¾ inches, width of bead rolls 1 inch, size of ogee bead ½ inch, ratio of gearing 3 to 1, distance between shaft centers 1¾ inches. Shipping wt., approximately 65 lbs. Each **$35 00**

CRIMPING AND BEADING MACHINE.



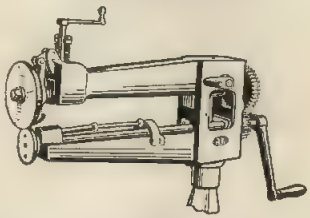
Common Sense.

Capacity, 24 Gauge Iron or Lighter.

A common-sense, direct-acting, crimping and beading machine recently made from new patterns. It fills a long-felt want for a compact, well-constructed, simple but durable machine that may be depended upon to perform with precision and accuracy for making a uniform crimp and bead or crimp only in pipe of black or galvanized iron. It has been designed for serving every requirement of the large or the small sheet metal shop and will prove an inexpensive, desirable addition to the stove pipe department of the hardware store. Beading and crimping rolls are countersunk and are held with round nuts which leaves the face of the rolls flush with the arbors. A pair of steel blank collars accompany each machine and when these collars are substituted for the beading rolls the same machine is converted into a plain cornice makers' crimper. Furnished complete with one pair of steel blank collars and offset bench standard.

No. 0581. Straight crimp; width of crimping rolls 1¾ inches, width of beading rolls 1 inch, diameter of beading rolls 1 15/16 inches, diameter of crimping rolls 1 13/16 inches, size of ogee bead ½ inch. Shipping wt., approximately 30 lbs. boxed ..... Each **$15 00**

DOUBLE SEAMER.



New Moore's.

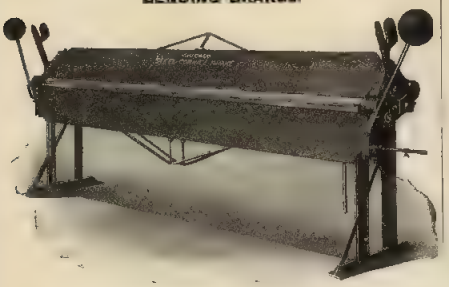
Capacity 26 Gauge Iron and Lighter.

These double seaming machines are adapted for general use. They are well suited to the wants of the trade who desire a machine for small work. Frame is solid casting. Arbors are heavy and gears cut from solid metal, the small wheel behind upper roll intended to hold seams from springing open until the seam is laid over sufficiently to close down hard is controlled through a lever. A slight turn of this lever controls small wheel and shifts upper roll to proper position.

No. 646. Will receive work 10 inches in depth. Size of lower seaming face, 2¾ inches. Shipping wt., approx. 60 lbs. boxed ..... Each **$65 00**

SHEET METAL WORKERS' MACHINES.

BENDING BRAKES.



Shipment from Factory Only.

Chicago Steel.

The construction is such that although the machines are strong and rigid they are light in weight. Steel is used throughout in their construction. The rated capacity is for mild steel sheets and for bending a flange of one inch or wider on sheets of full capacity. To secure additional leverage for bending heavy metal a steel angle extension is attached to the bending leaf. Full length sheets can be worked by one man; one end is clamped on the mark and the other end of the sheet can be moved to the desired mark without disturbing the first mark. The balance is perfect to make easy and rapid operation. Bending edges are made of special hard alloy steel to withstand wear. Adjustable stop gauge is furnished.

No.	Length	Cap'y, Gau.	Wt.	Each
1	12 ft., 1 in.	18	4300	$600 00
1B	10 ft., 1 in.	14	3000	420 00
2	10 ft., 1 in.	16	2500	350 00
2B	10 ft., 1 in.	18	2100	300 00
2A	10 ft., 1 in.	20	1800	270 00
2C	8 ft., 1 in.	14	2000	300 00
3	8 ft., 1 in.	16	1500	225 00
4	8 ft., 1 in.	18	1000	165 00
3B	6 ft., 1 in.	16	1200	185 00
4B	6 ft., 1 in.	18	800	145 00
4C	5 ft., 1 in.	18	750	130 00
5	4 ft., 1/2 in.	14	800	150 00
5B	3 ft., 1/2 in.	14	650	125 00
6	4 ft., 1/2 in.	16	500	115 00
6B	3 ft., 1/2 in.	16	400	100 00

BENCH PLATES OR STAKE HOLDERS.

Cast Iron.

No. 982. Length, 30 inches; width 8 inches. Wt., 31 lbs. .....Each $9 00

TINNERS' STAKES.

HOLLOW MANDRELS.

Best Quality Cast Iron, Polished Finish.

No. 910. Entire length, 40 inches; length of flat part, 9 inches; width of flat part, 6 inches; length of oval part, 31 inches. Size of oval part radius of circle 2 inches. Shipping wt., 60 lbs. boxed .....Each $12 75

BLOW HORN STAKES.

Wrought Iron With Steel Faces.

No. 925. Length of large end, 9 inches; of small end, 18 inches; diameter of large end, at wide point, 4¾ inches; at narrow point, ½ inch; diameter of small end, at wide point, 1½ inches; at narrow point, ⅜ inches. Weight, 14 pounds. .....Each $13 50

BEAKHORN STAKES.

No. 901. Length of round end 16½ inches; flat end 21½ inches; width of flat end, tapers 2½x1⅞; diameter round end smallest point, ⅞; diameter round end, largest point 2½ inches. Wt., 46 lbs. .....Each $34 00

TINNERS' STAKES.

HATCHET STAKES.

Wrought Iron With Steel Face.

No. 943. Length of blade, 13 inches. Width of blade at center 2⅛ inches, width of blade at ends 1½ inches. Wt., 8½ lbs.....Each **$12 00**

CONDUCTOR STAKES.

Cast Iron With Polished Faces.

No. 971. Length large end, 15 inches; small end, 11½ inches; diameter large end, 2¼ inches; diameter small end, 1⅜ inches. Wt., 28 lbs...Each **$15 00**

DOUBLE SEAMING STAKES.

Wrought Iron With Steel Faces.

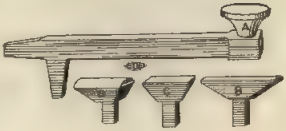
No. 921. Length of large end, 17 inches, small end 12 inches; size, each end 3x1¾ in. Wt. ea. 37 lbs..Each **$27 00**

SQUARE STAKES.

Wrought Iron With Steel Face.

No. 936. Common square. Size of face, 2¾x4½ in. Wt., 11 lbs..Each **$9 00**

DOUBLE SEAMING STAKES.



With Four Heads.

Cast Iron With Polished Faces.

No. 949. Size of heads: A, 6 inches diameter, 4¼ inches top of head to standard; B, 8½x2⅝x3⅛ inches, 2½ inches top of head to standard; C, 5½x4½ inches, 2½ inches top of head to standard; D, 5¾x4¼x3¾ inches, 2¾ inches top of head to standard. Wt., 110 lbs. .....Each **$21 50**

HAND DOLLY.

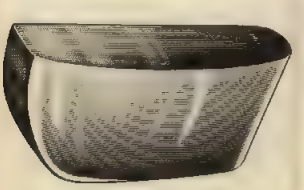
Made of high grade steel; machined and hardened faces. Invaluable for seaming and auto repair work; well balanced with snug fitting handle. Size of face, 5x5½ in.; thickness of head. 15/16 in.

No. 947. Wt., 8½ lbs.....Each **$7 50**

DOLLY BLOCKS.

Ground and Full Polished.

Without handles and patterned to fit the palm of the hand. Invaluable as a seaming iron for irregular sheet metal products and for reshaping and straightening auto bodies and fenders.

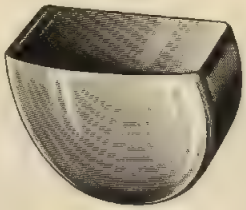


No. 916. Length, 4¾ inches; width, 2⅝ inches; thickness, 1 inch. Wt., 2¾ lbs. .....Each **$1 50**

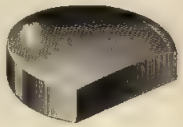
DOLLY BLOCKS.

Ground and Full Polished.

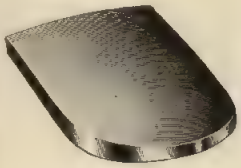
Without handles and patterned to fit the palm of the hand. Invaluable as a seaming iron for irregular sheet metal products and for reshaping and straightening auto bodies and fenders.



No. 915. Length, 2⅝ inches; width, 3¼ inches; thickness, 1½ inches. Wt. 2½ lbs. .....Each **$1 50**



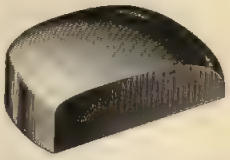
No. 917. Length, 2½ inches; width, 2⅛ inches; thickness, ⅝ inches. Wt., ¾ lb. .....Each **$1 25**



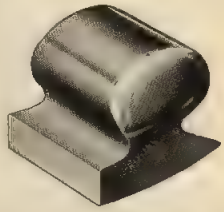
Concave—Convex.

No. 918. Length, 3¾ inches; width, 2⅞ inches; thickness, ⅝ inch. Wt., 1 lb. .....Each **$1 25**

One in a box



No. 919. Length, 3⅝ inches; width, 2¼ inches; thickness, 1 inch. Wt., 1⅞ lb. .....Each **$1 25**



No. 920. Length, 3 inches; width, 2½ inches; thickness 2¼ inches. Wt., 2½ lbs. .....Each **$2 00**

One in a box.

BODY WORKERS' SPOONS.

Hand forged steel with polished face and black finish handle.

No. 1. Length, 9 inches. width, 2 inches. Wt. each, 1 lb.... Each **$1 25**

No. 2. Length, 10 inches; width, 1 inch. Wt. each, 9 ozs.....Each **$0 75**

No. 3. Length, 6 inches; width, 1 inch. Wt. each, 5 ozs.....Each **$0 65**

Each wrapped in paper.

STANLEY PLANES.

IRON.

Scrub.

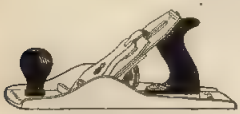
User can quickly plane down to a rough dimension any board that is too wide to conveniently rip with a hand saw, an operation that is sometimes called "hogging." This is made possible by reason of the peculiar shape of the extra heavy cutter, the cutting edge of which is rounded instead of square. Handles and knobs of beech.

No. 40. Length, 9½ inches; 1⅛ inch cutter; japanned. Wt. each, 2⅛ lbs. .....Each **$2 65**

ALUMINUM.

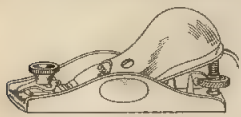
The planes are the regular Bailey type of bench planes having the same adjustable features as regards the frogs and cutters. The bottoms and frogs are made of aluminum instead of of gray iron, which provides an exceptionally light tool that will not rust.

No. A4 Smooth. 2 in. cutter; 9 ins. long. Wt. each, 2¼ lbs....Each **$6 00**



No. A5 Jack. 2 inch cutter; 14 inches long. Wt. each, 2⅝ lbs.....Each **$6 75**

No. A6 Fore. 2⅝ inch cutter; 18 inches long. Wt. each, 3½ lbs.....Each **$9 00**



No. A18 Block. 1⅝ inch cutter; 6 inches long. Wt. each, ⅞ lb., Each **$3 60**

All above, one in a box.

STANLEY PLANES.

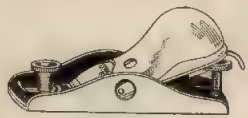
BAILEY.

STEEL.

These planes are the regular Stanley Bailey" type bench plane: have malleable iron frog and lever cap with steel base. Rosewood Knob and Handle.

No. S4—Smooth. 2 inch cutter; 9 inches long. Wt., 3 lbs....Each **$4 85**

No. S5—Jack. 2 inch cutter; 14 inches long. Wt., 3¾ lbs..Each **$5 55**



Block.

Similar to the regular No. 18 block plane; bottom and adjustable front are made of steel, making it practically indestructible. Knuckle joint.

No. S18. 1⅝ inch cutter; 6 inches long. Wt. each, 1¼ lbs.....Each **$2 50**

BLOCK PLANES.

BAILEY.

IRON.

Adjustable Throat; Cutter Adjustable Endwise and Sidewise.

No. 9½. Length 6 inches; cutter 1⅝ inches; japanned trimmings. Wt. each, 1½ lbs. .....Each **$2 45**

No. 15. Length 7 inches; cutter 1⅝ inches; japanned trimmings. Wt. each, 1⅝ lbs. .....Each **$2 75**

No. 16. Length 6 inches; cutter 1⅝ inches; nickel trimmings. Wt. each, 1½ lbs. .....Each **$2 80**

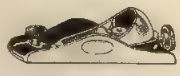
No. 17. Length 7 inches; cutter 1⅝ inches; nickel trimmings. Wt. each, 1⅝ lbs. .....Each **$3 10**

All above, one in a box.

BLOCK PLANES.

STANLEY.

IRON.



Low Angle.

Cutter adjustable endwise; cutter rests on its seat at an angle of only 12 degrees, permitting great ease in working across the grain on hard woods. They have adjustable throats which allow the opening or closing of the mouth as close or fine work may require.

No. 60. Length 6 inches; cutter 1⅝ inches; nickel trimmings. Wt. each, 1¼ lbs. .....Each **$2 85**

No. 60½. Length 6 inches; cutter 1⅝ inches; japanned trimmings. Wt. each, 1¼ lbs. .....Each **$2 60**

No. 65. Length 7 inches; cutter 1⅝ inches; nickel trimmings. Wt. each, 1⅝ lbs.....Each **$3 40**

Heavy Low Angle.

Especially adapted for use in cutting across the grain on heavy work, where more power is required than can be obtained by use of the ordinary block plane. Fitted with rosewood handle and knob, and designed to be operated with both hands. Adjustable throat.

No. 62. Length 14 inches; cutter 2 inches; japanned trimmings. Wt. each, 8⅝ lbs.....Each **$6 70**

BAILEY.

IRON.

Knuckle Joint.

Adjustable throat; cutter adjustable endwise and sidewise; cutter rests on its seat at an angle of 20°; the knuckle joint in the cap makes it a lever to clamp the cutter in its seat.

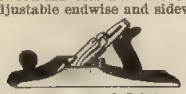
No. 18. Length, 6 inches; cutter, 1⅝ inches; nickel trimmings. Wt. each, 1½ lbs.....Each **$3 05**

All above, one in a box.

STANLEY IRON PLANES.

BED ROCK.

Rosewood Handles and Knobs. Cutters adjustable endwise and sidewise.



Jack, Fore and Jointer.

No. 605. Jack. Length 14 inches; cutter 2 inches. Wt. each, 4¾ lbs. .....Each $6 75

No. 606. Fore. Length 18 inches; cutter 2⅜ inches. Wt. each, 7⅛ lbs. .....Each $8 50

No. 607. Jointer. Length 22 inches; cutter 2⅜ inches. Wt. each 8¼ lbs. .....Each $9 80

No. 608. Jointer. Length 24 inches; cutter 2⅜ inches. Wt. each, 9¾ lbs. .....Each $11 60

With Corrugated Bottoms.

No. 605C. Jack. Length 14 inches; cutter 2 inches. Wt. each, 4¾ lbs. .....Each $7 25

No. 606C. Fore. Length 18 inches; cutter 2⅜ inches. Wt. each, 7⅛ lbs. .....Each $9 15

No. 607C. Jointer. Length 22 inches; cutter 2⅜ inches. Wt. each, 8¼ lbs. .....Each $10 55

No. 608C. Jointer. Length 24 inches; cutter 2⅜ inches. Wt. each, 9¾ lbs. .....Each $12 45

BAILEY.

Rosewood Handles and Knobs. Cutters adjustable endwise and sidewise.

The Bailey type differs from the Bed Rock principally in the construction of the frog, in that the Bed Rock type has more contact surface between the bed and frog, which means less vibration. The Bailey type, however, is better known and more generally used. All genuine Bailey planes have the name Bailey cast in the bottom, and the name Stanley stamped on the cutter.

Smooth.

No. 2. Length 7 inches; cutter 1⅝ inches. Wt. each, 2¼ lbs..Each $4 60

No. 3. Length 8 inches; cutter 1¾ inches. Wt. each, 3½ lbs..Each $4 80

No. 4. Length 9 inches; cutter 2 inches. Wt. each, 3¾ lbs..Each $5 25

No. 4½. Length 10 inches; cutter 2⅜ inches. Wt. each, 4¾ lbs..Each $6 05

Smooth.
With Corrugated Bottoms.

No. 3C. Length 8 inches; cutter 1¾ inches. Wt. each, 3½ lbs..Each $5 15

No. 4C. Length 9 inches; cutter 2 inches. Wt. each, 3¾ lbs..Each $5 60

No. 4½C. Length 10 inches; cutter 2⅜ inches. Wt. ea., 4¾ lbs.Each $6 50

All above, one in a box.

BAILEY.

Rosewood Handles and Knobs. Cutters adjustable endwise and sidewise.

Jack.

No. 5. Length 14 inches; cutter 2 inches. Wt. each, 4¾ lbs..Each $6 05

No. 5¼. Length 11½ inches; cutter 1¾ inches. Wt. ea., 3¾ lbs...Each $5 50

No. 5½. Length 15 inches; cutter 2¼ inches. Wt. each, 6¾ lbs.Each.$6 75

Jack.
With Corrugated Bottoms.

No. 5C. Length 14 inches; cutter 2 inches. Wt. each, 4¾ lbs...Each $6 50

No. 5½C. Length 15 inches; cutter 2¼ in. Wt. each, 6¾ lbs.Each $7 30

Fore and Jointer.

No. 6. Fore. Length 18 inches; cutter 2⅜ inches. Wt. each, 7¾ lbs. .....Each $7 70

No. 7. Jointer. Length 22 inches; cutter 2⅜ inches. Wt. each, 8½ lbs. .....Each $8 80

No. 8. Jointer. Length 24 inches; cutter 2⅜ inches. Wt. each, 9¾ lbs. .....Each $10 50

Fore and Jointer.
With Corrugated Bottoms.

No. 6C. Fore. Length 18 inches; cutter 2⅜ inches. Wt. each, 7¾ lbs. .....Each $8 30

No. 7C. Jointer. Length 22 inches; cutter 2⅜ inches. Wt. each, 8½ lbs. .....Each $9 45

No. 8C. Jointer. Length 24 inches; cutter 2⅜ inches. Wt. each, 9¾ lbs. .....Each $11 30

STANLEY.

Carriage Makers' Rabbet.

No. 10½. Length 9 inches; cutter 2⅛ inches. Wt. each, 3 lbs...Each $6 35

No. 10. Length 13 inches; cutter 2⅛ inches. Wt. each, 4¼ lbs.Each $7 70

All above, one in a box.

STANLEY.

Carriage Makers' Rabbet.

Has tilting handle and knob so fitted to work close up to perpendicular sides. Has spurs on both sides for rabbeting across the grain.

No. 10¼. Length, 13 inches; cutter, 2⅛ in. Wt., 4¼ lbs.....Each $9 00

STANLEY WOOD PLANES.

BAILEY.

Bottom, handle, and knob made from well seasoned beech. Cutters are the regular Bailey type and are adjustable both endwise and sidewise. Frog is held in place by two machine screws which pass through the top fron and screw into two brass lugs. These lugs are screwed and securely pinned into the wood bottom.

Smooth.

No. 22. Length 8 inches; cutter 1¾ inches. Wt. each, 2½ lbs..Each $3 30

Handled Smooth.

No. 35. Length 9 inches; cutter 2 inches. Wt. each, 3¼ lbs..Each $4 05

Jack.

No. 26. Length 15 inches; cutter 2 inches. Wt. each, 3¾ lbs...Each $3 60

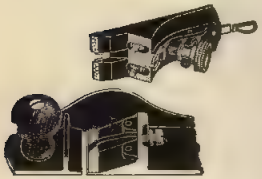
No. 27½. Length 15 inches; cutter 2¼ inches. Wt. ea., 4¾ lbs., Each $4 15

All above, one in a box.

STANLEY PLANE PARTS.

BAILEY. IRON.

Bailey Old Style.



Bailey New Style.

An improvement has been made in the Bailey Iron Plane which necessitated a change in the construction of the Bottom and Frog, thereby making it impossible to use the new style Frog in the old style Bottom, or the old style Frog in a new style Bottom.

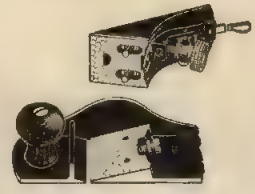
For a time an intermediate style was made having same frog and bottom as the latest design, except that there was no Frog adjusting screw, consequently no clip on the Frog.

The latest design Frog or Bottom will be furnished for both the intermediate and new style Planes. If your plane is of the intermediate pattern, remove the steel clip from the Frog and the parts will fit.

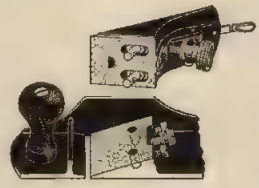
In order that we may fill your order correctly, kindly advise us which style Plane you have.

The difference in construction of the Frogs and Bottoms is very clearly shown in the illustrations above

BED ROCK.



Bed-Rock Old Style.



Bed-Rock New Style.

An improvement has been made in the Bed Rock Plane which necessitated a change in the construction of the Bottom and Frog, thereby making it impossible to use the new style Frog in an old style Bottom or the old style Frog in a new style Bottom.

In order that we may fill your order correctly kindly advise us which style Plane you have.

The difference in construction of the Frogs and Bottoms is very clearly shown in the illustrations above

PLANE PARTS

INTERCHANGEABLE.

In the following tables the numbers of Planes taking the same identical part are given on the same line or group, for instance—

A 1⅝ inch Single Iron is the same in 13 numbers of Planes, therefore an order for Single Plane Irons for a No. 9½ Plane would provide for any or all of the Planes shown in the same line or group, or

An order for Adjusting Nuts for No. 9½ Plane would provide for any of the planes in that line, viz., Nos. 9½, 9¾, 15 and 15½.

PART No. 1.

SINGLE PLANE IRONS.

For Bailey, Bed Rock and Stanley Iron Planes.

Used in Planes:

1¼ inch. No. 1 .....Each $0 45
1⅝ inch. Nos. 2, 602....Each $0 50
1¾ inch. Nos. 3, 3C, 5¼, 5¼C, 22, 603, 603C, 20, 113 .....Each $0 55
2 inch. Nos. 4, 4C, 5, 5C, 9, 24, 26, 35, 604, 604C, 605, 605C.....Each $0 60
2⅛ in. Nos. 10, 10¼, 10½.Each 65
2¼ inch. Nos. 5½, 5½C, 27½, 605½, 605½C .....Each $0 70
2⅜ inch. Nos. 4½, 4½C, 6, 6C, 7, 7C, 11, 28, 31, 36, 52, 604½, 604½C, 606, 606C, 607, 607C .....Each $0 75
2⅝ inch. Nos. 8, 8C, 32, 608, 608C .....Each $0 80

For "Gage" Iron and Wood Planes.

Used in Planes:

1¾ in. Nos. G3, G3C, G22.Each $0 55
2 in. Nos. G4, G4C, G5, G5C, G26, G35, G36 .....Each $0 60
2¼ in. Nos. G6, G6C, G28, G30. Ea 70
2½ in. Nos. G7, G7C .....Each 80

For "Bailey" and Stanley Block Planes.

Used in Planes:

1 in. Nos. 100, 101 .....Each $0 13
1⅜ in. Nos. 60, 60½, 61, 203.Each 42
1⅜ in. No. 102.....Each 21
1⅜ in. No. 103 .....Each 21
1⅝ in. Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 63, 65, 65½, 131, 220.Each $0 42
1⅝ in. Nos. 110, 130.....Each 32
1⅝ in. No. 120 .....Each 42
1¾ in. No. 140 .....Each 50

PART No. 1A.

DOUBLE PLANE IRONS.

For Bailey, Bed Rock and Stanley Iron Planes.

Used in Planes:

1¼ in. No. 1.....Each $0 80
1⅝ in. Nos. 2, 2C, 602.....Each 85
1¾ in. Nos. 3, 3C, 5¼, 5¼C, 603, 603C .....Each $0 90
1¾ in. No. 113.....Each 90
1¾ in. No. 20 .....Each 90
2 in. Nos. 4, 4C, 5, 5C, 604, 604C, 605, 605C .....Each $0 95
2 in. No. 9 .....Each 95
2⅛ in. No. 10, 10¼, 10½...Each 1 00
2¼ in. Nos. 5½, 5½C, 605½, 605½C .....Each $1 10
2⅜ in. Nos. 4½, 4½C, 6, 6C, 7, 7C, 604½, 604½C, 606, 606C, 607, 607C, 52 .....Each $1 20
2⅝ in. No. 11.....Each 1 20
2⅝ in. Nos. 8, 8C, 608, 608C.Each 1 30

STANLEY PLANE PARTS.

PART No. 1A (Continued).
DOUBLE PLANE IRONS.
For "Bailey" Wood Planes.

Used in Planes:

1¾ in. No. 22.....Each $0 90
2 in. Nos. 24, 26, 35.....Each 95
2¼ in. No. 27½ .....Each 1 10
2⅜ in. No. 28, 31, 36.....Each 1 20
2⅝ in. No. 32.....Each 1 30

PART No. 2.
CAP IRONS.
For "Bailey" and Bed Rock Iron Planes.

Used in Planes:

1¼ in. No. 1.....Each $0 35
1⅝ in. Nos. 2, 2C, 602....Each 35
1⅝ in. Nos. 3, 3C, 5¼, 5¼C, 608, 608C .....Each $0 35
1¾ in. No. 113 .....Each 35
1¾ in. No. 20.....Each 35
2 in. Nos. 4, 4C, 5, 5C, 604, 604C, 605, 605C .....Each 35
2 in. No. 9 .....Each 35
2⅛ in. 10, 10¼, 10½.....Each 35
2¼ in. Nos. 5½, 5½C, 605½, 605½C .....Each 40
2⅝ in. Nos. 4½, 4½C, 6, 6C, 7, 7C, 604½, 604½C, 606, 606C, 607, 607C .....Each $0 45
2⅜ in. No. 11.....Each 45
2⅝ in. Nos. 8, 8C, 608, 608C.Each 50

For Bailey Wood Planes.

Used in Planes:

1¾ in. No. 22 .....Each $0 35
2 in. No. 24, 26, 35.....Each 35
2¼ in. No. 27½ .....Each 40
2⅜ in. Nos. 28, 31, 36.....Each 45
2⅝ in. No. 32 .....Each 50

PART No. 3.
CAP SCREWS.
For Planes:

No. 1 .....Each $0 10
Nos. 2, 2C, 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C .....Each $0 10
Nos. 602, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C..Each $0 10
Nos. 22, 24, 26, 27½, 28, 31, 32, 35, 36 .....Each $0 10

PART No. 4.
LEVER CAPS.
For Planes:

No. 1 .....Each $0 50
Nos. 2, 2C, 602.....Each 50
Nos. 3, 3C, 5¼, 5¼C, 603, 603C.Each 50
Nos. 4, 4C, 5, 5C, 604, 604C, 605, 605C .....Each 50
Nos. 4½, 4½C, 6, 6C, 7, 7C, 604½, 604½C, 606, 606C, 607, 607C.Each $0 50
Nos. 5½, 5½C, 605½, 605½C. Each 50
Nos. 8, 8C, 608, 608C.....Each 50
No. 22 .....Each 50
Nos. 24, 26, 35.....Each 50
No. 27½ .....Each 50
Nos. 28, 31, 36.....Each 50
No. 32 .....Each 50
Nos. 9½, 9¾, 15, 15½, 65½.Each 20
Nos. 16, 17, 63.....Each 30
Nos. 18, 19, 65.....Each 40
Nos. 60, 61.....Each 30
No. 60½ .....Each 30
No. 62 .....Each 30
Nos. 100, 101.....Each 10
Nos. 102, 103 .....Each 20
Nos. 110, 120, 130.....Each 20
Nos. 131, 220 .....Each 20
No. 140 .....Each 30
No. 203 .....Each 20

PART No. 5.
LEVER CAP SCREWS.
For Planes:

No. 1 .....Each $0 10
Nos. 2, 2C, 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C .....Each $0 10
Nos. 602, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C..Each $0 10
Nos. 22, 24, 26, 27½, 28, 31, 32, 35, 36 .....Each $0 10
Nos. 9½, 9¾, 15, 15½, 16, 17, 62, 131, 220 .....Each $0 10
Nos. 18, 19 .....Each 10
Nos. 60, 60½, 61, 63, 65½..Each 10
No 65 .....Each 10
No. 140 .....Each 10
No. 203 .....Each 10

PART No. 6.
FROGS COMPLETE.
For Planes:

No 1 .....Each $0 70
Nos. 2, 2C .....Each 70
Nos. 3, 3C, 5¼, 5¼C.....Each 70
Nos. 4, 4C, 5, 5C.....Each 70
Nos. 4½, 4½C, 6, 6C, 7, 7C..Each 70
Nos. 5½, 5½C .....Each 70
Nos. 8, 8C .....Each 70
No 602 .....Each 1 00
Nos. 603, 603C .....Each 1 00
Nos. 604, 604C, 605, 605C..Each 1 00
Nos. 604½, 604½C, 606, 606C, 607, 607C .....Each $1 00
Nos. 605½, 605½C .....Each 1 00
Nos. 608, 608C .....Each 1 00
No. 22 .....Each 60
Nos. 24, 26, 35.....Each 60
No. 27½ .....Each 60
Nos. 28, 31, 36.....Each 60
No. 32 .....Each 60
Nos. 60, 60½, 61, 63, 65, 65½..Each 20
No. 62 .....Each 20
Nos. 103, 120 .....Each 30
No. 131 .....Each 30
No. 140 .....Each 20
Nos. 203, 220 .....Each 20

PART No. 7.
ADJUSTING LEVERS.
For Planes:

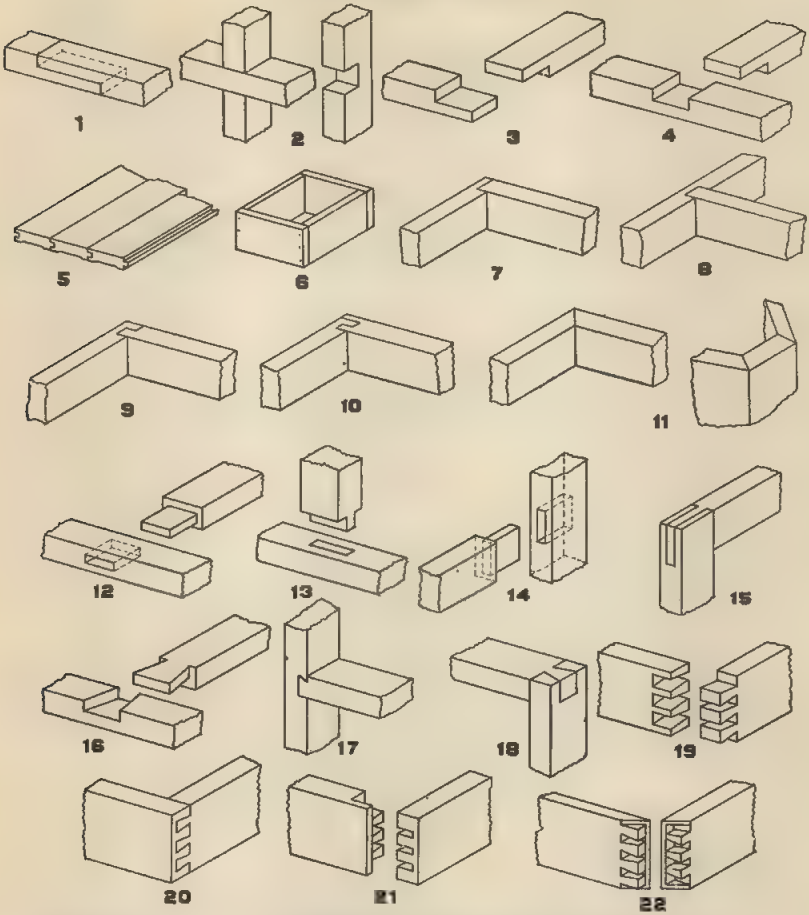
No 1 .....Each $0 10
Nos. 2, 2C, 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 602, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C..Each $0 10
Nos. 22, 24, 26, 27½, 28, 31, 32, 35, 36 .....Each $0 10
Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19 .....Each $0 10

PART No. 8.
ADJUSTING NUTS.
For Planes:

No 1 .....Each $0 20
Nos. 2, 2C, 602.....Each 20
Nos 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C .....Each $0 20
Nos. 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C..Each $0 20
Nos. 22, 24, 26, 27½, 28, 31, 32, 35, 36 .....Each $0 20
Nos. 9½, 9¾, 15, 15½.....Each 20
Nos. 16, 17, 18, 19.....Each 20
Nos. 60, 65, 61, 63.....Each 20
Nos. 60½, 65½ .....Each 20
No. 62 .....Each 20
No. 131 .....Each 20
Nos. 140, 220 .....Each 20
No. 203 .....Each 20

COMMON WOOD JOINTS.

MADE WITH STANLEY TOOLS.



1—Half Lap Joint.
2—Cross Lap Joint.
3—End Lap Joint.
4—Middle Lap Joint.
5—Tongue Groove Joint.
6—Butt Joint.
7—Rabbet Joint.
8—Dado Joint.
9—Dado and Rabbet Joint.
10—Dado Tongue and Rabbet Joint.
11—Mitre Joint.
12—Thru Mortise Tenon.
13—Stub Mortise Tenon.
14—Blind Mortise Tenon.
15—Open Mortise Tenon.
16—Lap Dovetail.
17—Dovetail Dado.
18—Thru Single Dovetail.
19—Thru Multiple Dovetail.
20—Lap Dovetail or Half Blind Dovetail.
21—Stopped Lap Dovetail.
22—Blind Mitre or Secret Dovetail.

BLOCK PLANES.

STANLEY.

Not Adjustable.

No. 101. Length, 3½ inches; cutter, 1 inch. Wt. each, ¼ lb.....Each **$0 50**

Not Adjustable.

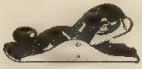
No. 100. Length, 3½ inches; cutter, 1 inch; handled. Wt. each, ⅜ lb. .....Each **$0 60**

Not Adjustable.

No. 102. Length, 5½ inches; cutter, 1⅝ inches. Wt. each, ⅞ lb. Each **$0 90**

Lever Adjustment.

No. 103. Length, 5½ inches; cutter 1⅝ inches. Wt. each, ⅞ lb. Each **$1 30**



Not Adjustable.

No. 110. Length, 7 inches; cutter 1⅝ inches. Wt. ea., 1⅝ lbs. Each **$1 25**

Adjustable.

No. 220. Length, 7 inches; cutter, 1⅝ inches. Wt. ea., 1½ lbs. Each **$1 85**

Double Ender. Not Adjustable.

Has two slots and two cutter seats. By reversing the position of the cutter and the clamping wedge it can be used to plane up into corners and other places difficult to reach with other planes.

No. 130. Length, 8 inches; cutter, 1⅝ inches. Wt. each, 1⅝ lbs. .Each **$1 85**

All above, one in a box.

BLOCK PLANES.

STANLEY.

Double Ender. Adjustable.

Has two slots and a movable cutter seat. When it is desired to use it as a bull-nose plane, cap and cutter can be removed and adjustable cutter seat reversed as indicated in cut. Rosewood Knob

No. 131. Length, 8 inches; cutter, 1⅝ inches. Wt. each, 1½ lbs. .Each **$3 00**

CIRCULAR PLANES.

STANLEY.

Has flexible steel face which can be accurately adjusted for planing the inside or outside of circles. The cutter is adjustable endwise and sidewise. The face is fastened at its center to the plane body, and adjusted at the end by means of a screw and levers. A valuable feature is the graduated scale for setting the face.

No. 113. Japanned; length, 10 inches; cutter, 1¾ inches. Wt. each, 3½ lbs. .....Each **$8 85**

RABBET AND BLOCK PLANES

STANLEY.

Detachable Side.

Easily changed from a block plane to a rabbet plane, or vice versa; cutter is adjustable endwise and set on a skew. Japanned trimmings, rosewood knob.

No. 140. Length, 7 inches; cutter, 1¾ inches. Wt. each, 1⅞ lbs. .Each **$3 20**

All above, one in a box.

BULL NOSE RABBET PLANES.

STANLEY.

Very useful for working close up into corners or other difficult places. Adjustable mouth.

No. 75. Length, 4 inches; cutter. 1 inch; japanned trimmings. Wt. each, ⅝ lb. .....Each **$0 90**

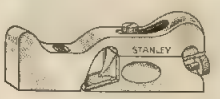
CABINET MAKERS' RABBET PLANES.

STANLEY.

Bull Nose.

Designed for fine cabinet work where extreme accuracy is desired; the sides and bottom being square with each other, the plane will be perfectly flat on either side, and can be used right or left; both the cutter and width of throat opening are adjustable.

No. 90. Adjustable; length, 4 inches; cutter, 1 inch; nickel plated. Wt. each, 1 lb. .....Each **$4 75**



Nickel Plated.

Will lie perfectly flat on either side, and can be worked either right or left; adjustable throat; cutter adjustable endwise; removing the front makes a chisel plane.

No. 92. Length, 5½ inches; cutter, ¾ in. Wt. each, 1½ lbs. .Each **$4 75**

No. 93. Length, 6½ inches; cutter, 1 inch. Wt. each, 1¾ lbs. .Each **$5 75**

All above, one in a box.

STANLEY PLANE PARTS.

PART No. 9.
LATERAL ADJUSTING LEVER.

For Planes:

Nos. 2, 2C, 602, 22, 24.....Each $0 20

Nos. 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C, 26, 27½, 28, 31, 32, 35, 36 .....Each 20

Nos. 9¼, 9¾, 15, 15½, 16, 17, 18, 19 .....Each $0 20

PART No. 10.
FROG SCREWS.

For Planes:

No. 1 .....Each $0 10
No 2, 2C .....Each 10

Nos. 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C .....Each $0 10

FROG SCREW AND BUSHING.

For Planes:

Nos. 22, 24, 26, 27½, 28, 31, 32, 35, 36 .....Each $0 20

PART No. 11.
HANDLES.

For Planes:

No. 1 .....Each $0 40

Nos. 2, 2C, 602.....Each 40

Nos. 3, 3C, 603, 603C, 4, 4C, 5¼, 5¼C, 604, 604C .....Each $0 40

Nos. 4½, 4½C, 5, 5C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C .....Each $0 40

Nos. 26, 27, 27½, 28, 31, 32.Each 20

Nos. 35, 36 .....Each 20

Nos. 9¾, 15½ .....Each 50

No. 62 .....Each 60

PART No. 12.
KNOBS.

For Planes:

No. 1 .....Each $0 30

Nos. 2, 2C, 602 .....Each 30

Nos. 3, 3C, 4, 4C, 5¼, 5¼C, 603, 603C, 604, 604C .....Each $0 30

Nos. 4½, 4½C, 5, 5C, 604½, 604½C, 605, 605C .....Each $0 30

Nos. 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C .....Each $0 30

Nos. 22, 24, 35, 26, 27½, 28, 31, 32, 36 .....Each $0 20

Nos. 110, 120, 130 .....Each 20

Nos. 131, 140, 220, 63, 203, 61.Each 30

PART No. 13.
HANDLE BOLTS AND NUTS.

For Planes:

No 1 .....Each $0 20

Nos. 2, 2C, 602.....Each 20

Nos. 3, 3C, 4, 4C, 5¼, 5¼C, 603, 603C, 604, 604C, 26, 27½, 28, 31, 32.Each 20

Nos. 4½, 4½C, 5, 5C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C .....Each $0 20

Nos 35, 36 .....Each 20

PART No. 14.
KNOB BOLTS AND NUTS.

For Planes:

No. 1 .....Each $0 20

Nos. 2, 2C, 602 .....Each 20

Nos 3, 3C, 4, 4C, 5¼, 5¼C, 603, 603C, 604, 604C .....Each $0 20

Nos 4½, 4½C, 5, 5C, 604½, 604½C, 605, 605C .....Each $0 20

Nos. 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C .....Each $0 20

KNOB SCREWS.

For Planes:

Nos. 22, 24, 35.....Each 10

Nos. 26, 27½, 28, 31, 32, 36.Each 10

PART No. 15.
PLANE HANDLE TOE SCREWS.

For Planes:

Nos. 4½, 4½C, 5, 5C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C .....Each $0 10

PART No. 16.
PLANE BOTTOMS.

For Planes:

No. 1 .....Each $1 70
No. 2 .....Each 1 70
No. 2C .....Each 1 87
No. 3 .....Each 2 00
No. 3C .....Each 2 20
No 4 .....Each 2 00
No 4C .....Each 2 20
No 4½ .....Each 2 40
No. 4½C .....Each 2 64
No 5 .....Each 2 40
No. 5C .....Each 2 64
No 5¼ .....Each 2 40
No 5¼C .....Each 2 64
No. 5½ .....Each 2 40
No. 5½C .....Each 2 64
No 6 .....Each 3 30
No. 6C .....Each 3 63
No. 7 .....Each 4 70
No. 7C .....Each 5 17
No. 8 .....Each 5 70
No. 8C .....Each 6 27
No 602 .....Each 2 20
No. 603 .....Each 2 50
No. 603C .....Each 2 75
No. 604 .....Each 2 50
No. 604C .....Each 2 75
No. 604½ .....Each 3 00
No. 604½C .....Each 3 30
No. 605 .....Each 3 00
No. 605C .....Each 3 30
No. 605½ .....Each 3 20
No. 605½C .....Each 3 52
No. 606 .....Each 4 40
No. 606C .....Each 4 84
No. 607 .....Each 6 20
No 607C .....Each 6 82
No. 608 .....Each 7 00
No. 608C .....Each 7 70
No. 22 .....Each 80
No. 24 .....Each 80
No. 26 .....Each 1 00
No. 27½ .....Each 1 00
No. 28 .....Each 1 40
No. 31 .....Each 1 60
No. 32 .....Each 1 70
No. 35 .....Each 80
No. 36 .....Each 1 00
Nos. 9¾, 9¾, 16, 18.....Each 1 40
Nos. 15, 15½, 17, 19 .....Each 1 50

PART No. 16 (Continued.)
PLANE BOTTOMS.

For Planes:

Nos. 60, 60½ .....Each 1 20
No. 61 .....Each 1 00
No. 62 .....Each 3 50
No. 63 .....Each 1 00
Nos. 65, 65½ .....Each 1 50
No. 100 .....Each 20
No. 101 .....Each 20
No. 102 .....Each 15
No. 103 .....Each 15
No. 110 .....Each 50
No. 120 .....Each 60
No. 130 .....Each 70
No. 131 .....Each 1 40
No 140 .....Each 1 50
No 203 .....Each 50
No. 220 .....Each 60

PART No. 17.
TOP CASTINGS.

For Planes:

No. 22 .....Each $0 40
No. 24 .....Each 40
No. 26 .....Each 40
No. 27½ .....Each 40
Nos. 28, 31.....Each 40
No. 32 .....Each 40
No. 35 .....Each 40
No. 36 .....Each 40

PART No. 21.
ECCENTRIC PLATES.

For Planes:

Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 65, 65½ .....Each $0 20

Nos. 60, 60½ .....Each 20

No. 62 .....Each 20

PART No. 22.
FINGER REST KNOBS.

For Planes:

Nos. 9½, 9¾, 15, 15½.....Each $0 20

Nos. 16, 17, 18, 19 .....Each 20

Nos. 60, 65 .....Each 20

Nos. 60½, 65½.....Each 20

No. 62 .....Each 30

PART No. 44.
FROG PINS.

For Planes:

Nos. 602 .....Each $0 20

Nos. 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C...Each $0 20

PART No. 45.
FROG CLAMPING SCREWS.

For Planes:

Nos. 602, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C...Each $0 10

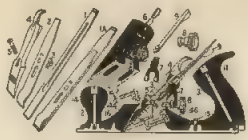
PART No. 46.
FROG ADJUSTING SCREWS.

For Planes:

Nos. 2, 2C, 3, 3C, 4, 4C, 4½, 4½C, 5, 5C, 5¼, 5¼C, 5½, 5½C, 6, 6C, 7, 7C, 8, 8C, 602, 603, 603C, 604, 604C, 604½, 604½C, 605, 605C, 605½, 605½C, 606, 606C, 607, 607C, 608, 608C...Each $0 10

PLANE PARTS.

FOR BED ROCK PLANES.



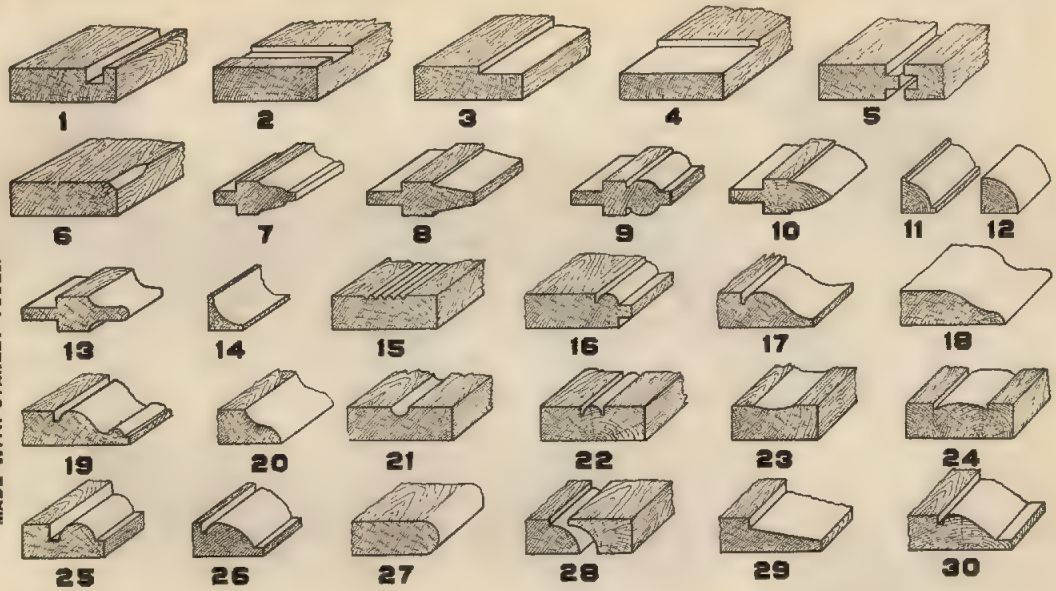
No.	Name of Part	For Planes, Nos.: 602	603 603C	604 604C	604½ 604½C	605 605C	605½ 605½C	606 606C	607 607C	608 608C
1A	Double Plane Iron	$0 90	1 00	1 10	1 25	1 10	1 20	1 25	1 25	1 30
1	Single Plane Iron	55	60	65	80	65	75	80	80	80
2	Plane Iron Cap	35	40	45	45	45	45	45	45	50
3	Cap Screw	10	10	10	10	10	10	10	10	10
4	Lever Cap	60	60	60	60	60	60	60	60	60
5	Lever Cap Screw	10	10	10	10	10	10	10	10	10
6	Frog Complete	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
7	Y Adjusting Lever	10	10	10	10	10	10	10	10	10
8	Adjusting Nut	20	20	20	20	20	20	20	20	20
9	Lateral Adjusting Lever	20	20	20	20	20	20	20	20	20
11	Plane Handle	40	40	40	40	40	40	40	40	40
12	Plane Knob	30	30	30	30	30	30	30	30	30
14	Knob Bolt and Nut	20	20	20	20	20	20	20	20	20
15	Plane Handle Screw	....	....	10	10	10	10	10	10	10
16	Plane Bottom	2 20	2 50	2 50	3 00	3 00	3 20	4 40	6 20	7 00
44	Frog Pin	20	20	20	20	20	20	20	20	20
45	Frog Clamping Screw	10	10	10	10	10	10	10	10	10
46	Frog Adjusting Screw	10	10	10	10	10	10	10	10	10

FOR BAILEY IRON PLANES.

We carry in stock many of the parts shown below; also parts illustrated elsewhere in this catalog. Parts not carried in stock will be ordered from the factory.

No.	Name of Part.	For Planes, Nos.: 1	2 2C	3 3C	A4 4 4C	4½ 4½C	A5 5 5C	5¼ 5¼C	5½ 5½C	A6 6 6C	7 7C	8 8C
1A	Double Plane Iron	$0 90	0 90	1 00	1 10	1 25	1 10	1 00	1 20	1 25	1 25	1 30
1	Single Plane Iron	55	55	60	65	80	65	60	75	80	80	80
2	Plane Iron Cap	35	35	40	45	45	45	40	45	45	45	50
3	Cap Screw	10	10	10	10	10	10	10	10	10	10	10
4	Lever Cap	50	50	50	50	50	50	50	50	50	50	50
5	Lever Cap Screw	10	10	10	10	10	10	10	10	10	10	10
6	Frog Complete	70	70	70	70	70	70	70	70	70	70	70
7	"Y" Adjusting Lever	10	10	10	10	10	10	10	10	10	10	10
8	Adjusting Nut	20	20	20	20	20	20	20	20	20	20	20
9	Lateral Adjusting Lever	20	20	20	20	20	20	20	20	20	20	20
10	Frog Screw	10	10	10	10	10	10	10	10	10	10	10
11	Plane Handle	40	40	40	40	40	40	40	40	40	40	40
12	Plane Knob	30	30	30	30	30	30	30	30	30	30	30
13	Handle Bolt and Nut	20	20	20	20	20	20	20	20	20	20	20
14	Knob Bolt and Nut	20	20	20	20	20	20	20	20	20	20	20
15	Plane Handle Screw	....	....	....	....	10	10	10	10	10	10	10
16	Plane Bottom	1 70	1 70	2 00	2 00	2 40	2 40	2 40	2 40	3 30	4 70	5 70
46	Frog Adjusting Screw	10	10	10	10	10	10	10	10	10	10	10

COMMON CUTS.
MADE WITH STANLEY TOOLS.



1—Plow Cut.
2—Dado Cut.
3—Rabbet Cut.
4—Filletster Cut.
5—Tongue and Groove.
6—Chamfer.
7—Ogee Sash.
8—Bevel Sash.
9—Ovalo Sash.
10—Gothic Sash.
11—Scotia.
12—¼ Round.
13—Lambs Tongue Sash.
14—Cove or ¼ Hollow.
15—Reed.
16—Edge Bead.
17—Common Ogee.
18—Roman Ogee.
19—Grecian Ogee with Bead.
20—Reverse Ogee.
21—Flute.
22—Center Bead.
23—Hollow.
24—Round.
25—Astragal.
26—Torus Bead.
27—Nosing.
28—Table Joint.
29—Ship Lap
30—Grecian Ovalo or Base.

PLANE PARTS.

FOR BAILEY WOOD PLANES.

We carry in stock many of the parts shown below; also parts illustrated elsewhere in this catalog. Parts not carried in stock will be ordered from the factory.

No.	Name of Part	For Planes, Nos.: 22	24 25 35	26	27½	28	31	32	36	37
1A	Double Plane Iron	$1 00	1 10	1 10	1 20	1 25	1 25	1 30	1 25	1 25
1	Single Plane Iron	60	65	65	75	80	80	80	80	80
2	Plane Iron Cap	40	45	45	45	45	45	50	45	45
3	Cap Screw	10	10	10	10	10	10	10	10	10
4	Lever Cap	40	40	40	40	40	40	40	40	40
5	Lever Cap Screw	10	10	10	10	10	10	10	10	10
6	Frog Complete	60	60	60	60	60	60	60	60	60
7	"Y" Adjusting Lever	10	10	10	10	10	10	10	10	10
8	Adjusting Nut	20	20	20	20	20	20	20	20	20
9	Lateral Adjusting Lever	20	20	20	20	20	20	20	20	20
10	Frog Screw and Bushing	20	20	20	20	20	20	20	20	20
11	Plane Handle	....	20	20	20	20	20	20	20	20
12	Plane Knob	20	20	20	20	20	20	20	20	20
13	Handle Bolt and Nut	....	20	20	20	20	20	20	20	20
14	Knob Screw	10	10	10	10	10	10	10	10	10
16	Plane Bottom	80	80	1 00	1 00	1 40	1 60	1 70	1 00	1 40
17	Top Casting	40	40	40	40	40	40	40	40	40

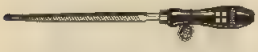
FOR BAILEY AND STANLEY BLOCK PLANES.

No.	Name of Part	For Planes, Nos.: 9½ 9¾	15 15½	16 17	A18 18	19	60 60½	62	61 63	65	65½
1	Single Plane Iron	$0 45	$0 45	0 45	0 45	0 45	0 45	0 90	0 45	0 45	0 45
4	Lever Cap	20	20	30	40	40	30	30	30	40	20
5	Lever Cap Screw	10	10	10	10	10	10	10	10	10	10
6	Frog Complete	....	....	....	....	....	20	20	20	20	20
7	Adjusting Lever	10	10	10	10	10	....	....	....	....	....
8	Adjusting Nut	20	20	20	20	20	20	20	20	20	20
9	Lateral Adjusting Lever	20	20	20	20	20	....	....	....	....	....
11	Plane Handle	50	50	....	....	....	....	60	....	....	....
16	Plane Bottom	1 40	1 50	1 50	1 50	1 50	1 20	3 50	1 00	1 50	1 50
21	Eccentric Plate	20	20	20	20	20	20	20	20	20	20
22	Finger Rest Knob	20	20	20	20	20	20	30	20	20	20

HOUSEHOLD TOOLS.

STANLEY 4 SQUARE.

HOUSEHOLD SLIM TAPER FILE.

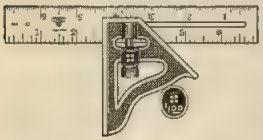


6 inch single cut; each file fitted into dull black handle, ready for use. Wt. doz., 2 lbs.

Household Slim Taper File, Dozen $2 40

Six in a box.

HOUSEHOLD TRY AND MITRE SQUARE.



Blade nickel plated, can be firmly locked at any point; edges machined and squared inside and out; graduated in 8ths and 16ths; iron handle, dull black; 7 in. blade; 2⅝ in. handle. Wt. doz., 6 lbs.

Household Try and Mitre Square .....Dozen $12 00

One in a box

HOUSEHOLD LEVEL.

Selected hardwood, carefully seasoned; 2⅝x1⅛ in. stock, 18 in. long; proved glasses, non-adjustable; dull black handy grip. Wt. doz., 16½ lbs.

Household Level .....Dozen $15 00

One in a box.

HOUSEHOLD PUTTY KNIFE.

Dull black, hardwood handle; crucible steel blade 1⅜ in. wide, 3¾ in. long; half elastic. Wt. doz., 1½ lbs.

Household Putty Knife ...Dozen $3 00

One in an envelope, 6 envelopes in a box.

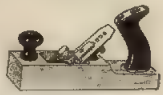
PLANES.

STANLEY-GAGE.

SELF-SETTING.

This line is now made by the Stanley Rule and Level Plant. The Self-Setting feature lies in the fact that the plane iron when taken out to be sharpened will fit in the same position as before, likewise the plane cap. The plane cap is the same in iron or wood planes. The upper part is cast iron and has a steel bottom fastened to it by screws. The steel bottom may be adjusted before the screws are set up; when the parts are all assembled in the plane the cap so fits the cutting iron as to make it either a single or double plane iron for various kinds of work.

WOOD.



Smooth.

No G35. 10 inches long; 2 inch cutter. Wt. each, 3 lbs .....Each $4 50

IRON.

Smooth.

No. G3. 8¾ inches long, 1¾ inch cutter. Wt. each, 2¾ lbs. ....Each $5 15

No. G4. 9 inches long, 2 inch cutter. Wt. each, 3 lbs.....Each $5 60

Smooth.
With Corrugated Bottom.

No. G3C. 8¾ inches long; 1¾ inch cutter. Wt. each, 2¾ lbs..Each $5 55

No. G4C. 9 inches long; 2 in. cutter. Wt. each, 3 lbs.....Each $6 00

Jack.

No. G5. 15 inches long; 2 inch cutter. Wt. each, 4½ lbs.....Each $6 40

Jack.
With Corrugated Bottom.

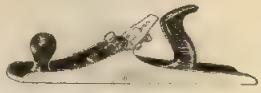
No. G5C. 15 inches long; 2 in. cutter. Wt. each, 4½ lbs., ...Each $6 90

All above, one in a box.

PLANES.

STANLEY-GAGE.

SELF-SETTING.



Fore.

No. G6. 18 inches long; 2¼ in. cutter. Wt. each, 5¾ lbs.....Each $8 10

Fore.
With Corrugated Bottom.

No. G6C. 18 inches long; 2¼ in. cutter. Wt. each, 5¾ lbs.....Each $8 70

Jointer.

No. G7. 22 in. long, 2½ in. cutter. Wt. each, 6½ lbs.....Each $9 30

Jointer.
With Corrugated Bottom.

No. G7C. 22 in. long; 2½ in. cutter. Wt. each, 6½ lbs.....Each $10 00

STANLEY IRON PLANES.

BED ROCK.

The Bed Rock line, because of the solid construction and varied adjustments, surpasses all other types as it represents the highest degree of perfection that has been reached in this class of tools. Cutter is the regular Bailey cutter and adjustable both endwise and sidewise. Handle and knob are of well seasoned rosewood.

Smooth.

No. 603. Length 8 inches, cutter 1¾ inches. Wt. each, 3½ lbs...Each $5 45

No. 604. Length 9 inches; cutter, 2 inches. Wt. each, 3¾ lbs...Each $5 90

No. 604½. Length 10 inches; cutter 2⅜ inches. Wt. each, 4¾ lbs...Each $6 75

Smooth.
With Corrugated Bottoms.

No. 603C. Length 8 inches; cutter 1¾ inches. Wt. each, 3½ lbs...Each $5 85

No. 604C Length 9 inches; cutter 2 inches. Wt. each, 3¾ lbs...Each $6 30

No. 604½C. Length 10 inches; cutter 2⅜ inches. Wt. each, 4¾ lbs. .....Each $7 25

All above, one in a box.

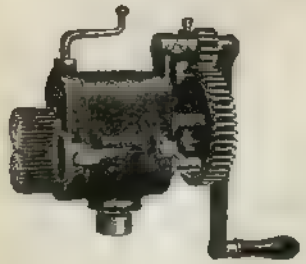
PLANE PARTS.

FOR STANLEY BLOCK PLANES.

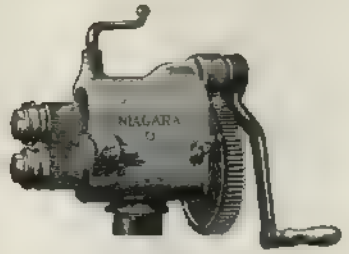
No.	Name of Part	For Planes, Nos.: 100 101	102	103	110	120	130	131	140	203	220
1	Single Plane Iron	$0 10	$0 20	0 20	0 30	0 45	0 30	0 45	0 50	0 45	0 45
4	Lever Cap	10	20	20	20	20	20	20	30	20	20
5	Lever Cap Screw	....	....	....	....	....	.....	10	10	10	10
6	Frog Complete	....	....	....	....	30	....	30	20	20	20
8	Adjusting Nut	....	....	....	....	....	....	20	20	20	20
12	Plane Knob	....	....	....	20	20	20	30	30	30	30
16	Plane Bottom	20	40	40	50	60	70	1 40	1 50	50	60
18	Detachable Side	....	....	....	....	....	....	....	50	.....	....
19	Side Screws (Pair)	....	....	....	....	....	....	....	20	....	....

TINNERS' TOOLS.

CRIMPERS AND BEADERS.



No. 1



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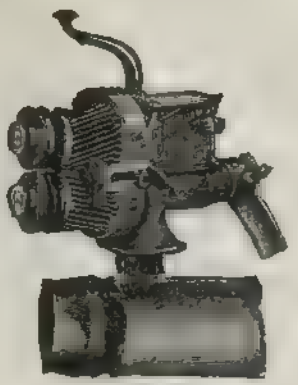


No. 20

	Net each $
NO. 1*—Buffalo Cornice makers crimper, with stand, capacity No. 24 iron, weight 57 lbs. each	
NO. 15 -Buffalo crimper and beader, with standard, geared, capacity No. 20 iron, weight 60 lbs. each	54.50
NO. 20—Packham's, with standard, for stove and conductor pipe, weight 24 lbs. each	28 00

BEADING MACHINES.

No. 4

Nos. 1 and 3

	Net each
NO. 4—Niagara, capacity No. 26 iron and lighter, with stand and four pairs of rolls, size of beads, ⅜ in. O. G , ⅜ in. triple, ¼ in. trip'e, ⅝ in. single, throat 6 in , weight 50 lbs. each	$58.00
NO. 1* Niagara, capacity No. 20 iron and lighter, with stand and three pairs of rolls, size of beads, 1 in. O G , 1 in triple, ½ in single, throat 10 in , weight 170 lbs. each	
NO. 3*—Niagara, capacity No 20 iron and lighter, with stand and three pairs of rolls, size of beads, ⅜ in. O. G., ⅜ in. triple, ⅝ in. single, throat 7½ in., weight 100 lbs. each	

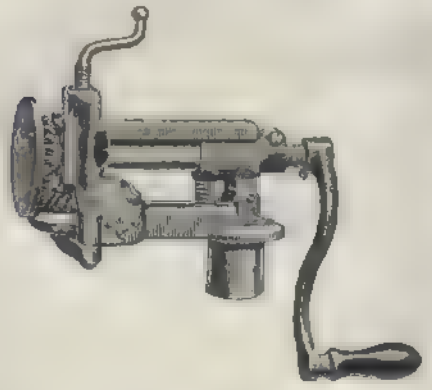
Items Marked (*) are F. O. B. Buffalo, N. Y.

TINNERS' TOOLS.

SETTING DOWN MACHINES

These machines follow the burring machines and press the edge of the bottom on to the flange of cans and similar work

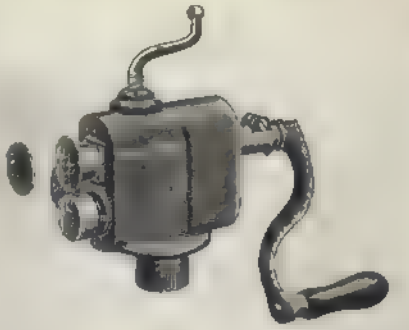
Superior Possesses the advantage that the operator can start the seam inward while setting it down, thereby facilitating the operation of double seaming. The work can be held up or down



Niagara.

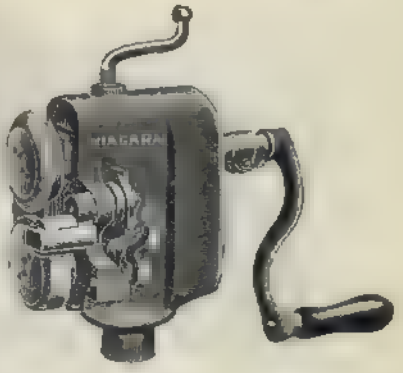
	Net each
*Niagara, for seams $\frac{3}{16}$ to $\frac{5}{16}$ in. wide, with stand, weight 28 lbs each	Market Price

BURR MACHINES.



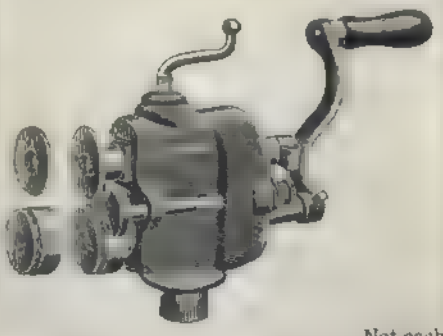
	Net each
Superior, small, with standard, with extra upper face, weight 30 lbs. each	$49.20
Superior, large, with standard, with extra upper face, weight 35 lbs. each	53 40

WIRING MACHINES.

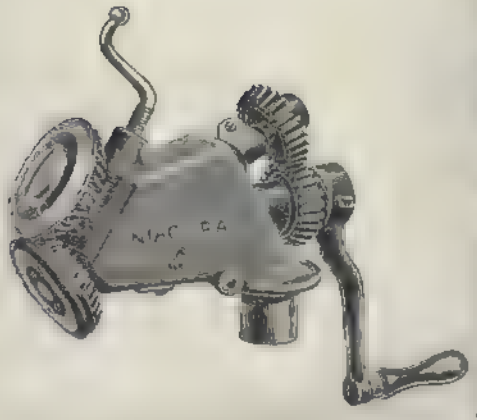


	Net each
Superior.—With standard, weight 41 lbs. each	$61.60

TURNING MACHINES.



	Net each
Superior, small, with standard, with extra upper and lower face, weight 38 lbs. each	$55 40
Superior, large, with standard, with extra upper and lower face, weight 42 lbs. each	61 60



Superior.

	Net each
Superior, for seams $\frac{1}{8}$ to $\frac{3}{16}$ in. wide, with stand, weight 38 lbs each	$57.40

For a high grade metal ware line, nothing excels the Atlantic. This we distribute for our territory.

IMPROVED MACHINE STANDARDS.

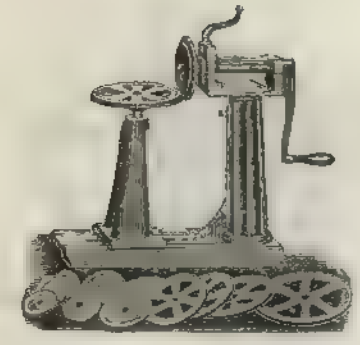
They can be used on any bench from 1 to 3 in. thick. The necessity of cutting holes in the bench is obviated, and the tinner is enabled to use a machine in any part of his shop most convenient to his work. The wrench is always attached to the standard.

	Net each
*Small—Diameter of hole $1\frac{1}{8}$ in., weight 11 lbs	Market Price
*Heavy Diameter of hole $2\frac{5}{8}$ in., weight 21 lbs	Market Price

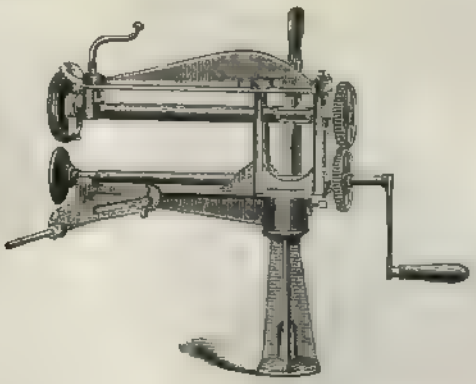
Items Marked (*) are F. O. B. Buffalo, N. Y.

TINNERS' MACHINES.

DOUBLE SEAMER.



Nos. 11, 12 and 13



Nos. 1, 2 and 3

HULBERT'S.

For No. 26 Iron and Lighter.

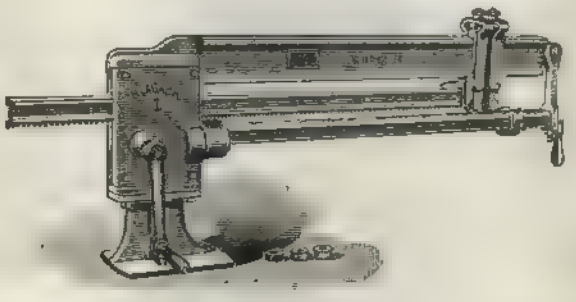
		Net each
No. 11*	**Hulbert's,** with stand, with deflector for work up to 14 in. high with ten disks and three faces, weight 125 lbs each	**Market Price**
No. 12*—	**Hulbert's,** without deflector, otherwise as No. 11, weight 120 lbs. each	**Market Price**
No. 13*	**Hulbert's,** with stand, with deflector for work up to 20 in. high, with ten disks and three faces, weight 190 lbs each	**Market Price**

MOORE'S.

For No. 26 Iron and Lighter.

No. 1*	**Moore's,** with stand, 4½ in. lower face, 15 in. throat, weight 100 lbs. each	**Market Price**
No. 3*	**Moore's,** with stand, 3 in. lower face, 10 in. throat, weight 65 lbs. each	**Market Price**

GROOVERS.



Nos. 220, 230 and 236½

Capacity No. 24 Iron and Lighter.

The reversible horn of this machine permits of grooving 2 inches diameter and larger. By using the flat rolls and pressing the seam into one of the grooves placed into the horn, the seam can be grooved towards the inside of the work.

Niagara groover is arranged for grooving and flattening the seam while the rack with rolls moves over the work once and returns to its original position. The grooving roll is in action on the way forward, and the flattening roll on the return trip, the change taking place automatically. In this manner the work and strain on the machine are divided, without loss of time. A stop is provided, on the horn.

Price includes two flat and three grooved rolls, with grooves 5-32, ¾, and ½-inch wide, width of grooves in round horn—5-32, ¾, ⅜, ½-inch.

		Net each
No. 220—	**Niagara,** 20 in., with standard, weight 170 lbs. each	**$106 80**
No. 230—	**Niagara,** 30 in., with standard, weight 190 lbs. each	**117.60**
No. 236½*	**Niagara,** 36 in., with standard, weight 215 lbs. each	**Market Price**

Items Marked (*) are F. O. B. Buffalo, N. Y.

TINNERS' MACHINES.

QUEEN CITY GROOVERS.

Capacity, No. 24 iron and Lighter.

These excellent Grooversare of modern design. The seam is grooved and flat, [illegible] The grooving roll is in action on the way forward and the flattening roll on the return trip, the change taking place automatically. In this manner the work and strain on the machine are divided without loss of time. The seam is perfect in [illegible] A clamp holds the work at the starting end, and there is a hinged stop at the other end. A guide attachment to the carriage holds the folded edge in position laterally. The upward pressure is taken up by anti-friction rolls, to insure easy working.

Easy and rapid adjustment is provided to accommodate various thicknesses of material and to regulate the tightness of the seam. The device used for this purpose [illegible] and variations in thickness of the stock. The adjustment can be made instantly and locked in position.

[illegible] work, and leaves the speed on light work the machine [illegible] The [illegible] and [illegible] a plain roll can be easily [illegible] [illegible] [illegible]

TINNERS' MACHINES.

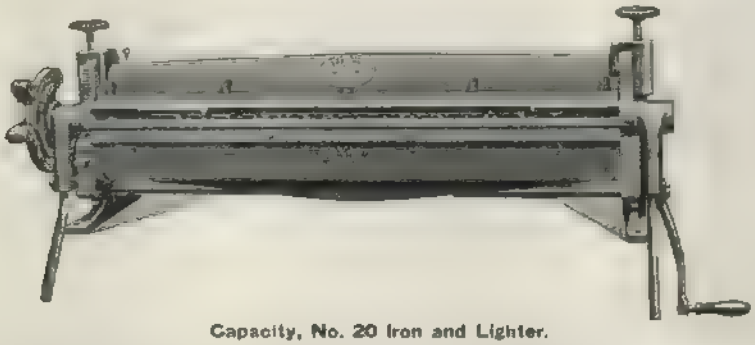
IMPROVED SHEET IRON FOLDER

Capacity, No. 24 iron and Lighter.

This folder is so constructed that the gauge always moves upon a line parallel with the edge of the folding plate. Width of locks from $\frac{3}{16}$ to $\frac{1}{2}$ inch.

	Net each
30 in., weight 80 lbs., capacity 24 gauge iron	$57.20
*42 in., weight 120 lbs., capacity 24 gauge iron	Market
*60 in., weight 265 lbs., capacity 26 gauge iron	Price

NIAGARA UNIVERSAL FOLDER AND BRAKE.



Capacity, No. 20 iron and Lighter.

This machine combines the advantages of an ordinary Folder with those of a Cornice Brake.

Clamping bar has a parallel motion up and down of 1 inch, and when in the lower position gives a firm grip upon the material. The two screws on top of the frames are used to fix the lower position of the clamping bar when more or less space is needed for the material or forming bars. The largest space obtainable between the clamping bar, (when in the upper position) and the bed is three inches.

The swinging folding bar is adjustable up and down to permit of making round as well as sharp bends. It is made of solid steel, the upper edge being $\frac{3}{8}$ of an inch wide, so that small members can be formed For ordinary work an angle-shaped bar is attached, which increases the width of 1 in.

Folding blade around which the material is bent is fastened by means of screws, and it can easily be removed to permit of substituting others of different profile.

Back gauge is adjustable from $\frac{1}{2}$ to 10 inches, and it can be removed entirely The rods that carry the gauge are graduated in sixteenth inches.

Adjustable stops. On the one end of the Folder there is a segment shaped casting carrying adjustable stops to regulate the angle of the bend. The stops can be thrown instantly in and out of position.

Front gauge adjustable for locks from $\frac{1}{2}$ to $\frac{3}{4}$ inch wide can be provided at extra cost.

NO. 1*—42 in., including one blade for sharp locks, weight 475 lbs	Market
*Iron legs, weight 115 lbs.	Price

THIS PAGE ALL F. O. B. BUFFALO, N. Y., FREIGHT EQUALIZED WITH OMAHA.

TINNERS' TOOLS.

WROUGHT IRON STEEL FACE STAKES.

BEAKHORN.

	Net each
NO. 2—Round end length 16½ in., flat 20 in., largest end diam. 2½ in., weight 36 lbs. each	$50 00
NO. 4—Round end length 14½ in., flat 19 in., largest end diam. 2 in., weight 28 lbs. each	Market Price

BLOWHORN.

	Net each
NO. 4—Large end 9 in., small end 17½ in., weight 14 lbs.	$26.50

DOUBLE SEAMING.

	Net each
NO. 1—Large end 17 in., small end 12 in., weight 42 lbs.	$43.60
NO. 2*—Both ends 11 in., weight 38 lbs.	Market Price

DOUBLE SEAMING.

Cast Iron, with Four Heads.

	Net per set
NO. 50—Double seaming, weight 100 lbs. per set	$40 00

CANDLE MOULD.

	Net each
NO. 5—Candle mould, small end 18 in, horn 8½ in., weight 8 lbs.	$16.30

CONDUCTOR.

NO.	0
Large end	1¾x14 in
Small end	1⅝x14 in
Weight each	25 lbs
Net each	$29.00

NEEDLE.

	Net each
NO. 6—Flat end 8 in, small end 10½ in., weight 5 lbs	$13.20

CREASING.

	Net each
NO. 7 Length 14½ in, weight 13 lbs	$24.50

SQUARE.

No. 8.

HATCHET.

No. 3.

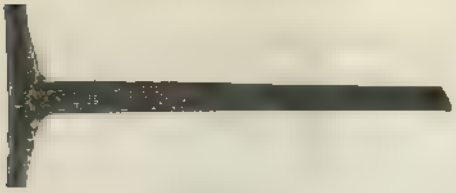
	Net each
NO. 8—Coppersmith Square, face 2⅝x4½ in., wt. 12 lbs.	$16.50
NO. 3 Hatchet, 13 in long, weight 8 lbs	16 30

ITEMS MARKED (*) ARE F. O. B. BUFFALO, N. Y.

"Pagoma" is used only on goods high in quality

TINNERS' TOOLS.

MANDRELS.



SOLID.

Cast Iron, with Polished Face.

NO.	3
Length to standard	27 in.
Weight	30 lbs.
Net each	$11.00

SOLID.

Solid, Cast Iron, Unpolished.

Net each

No. 100—Length 36 in., width 4¼ in., weight 38 lbs. each $12.00

Hollow, Cast Iron, Polished Face.

Net each

NO. 0—Entire length 40 in., round part 3 in. diameter, weight 50 lbs. $20.30

BENCH PLATES.

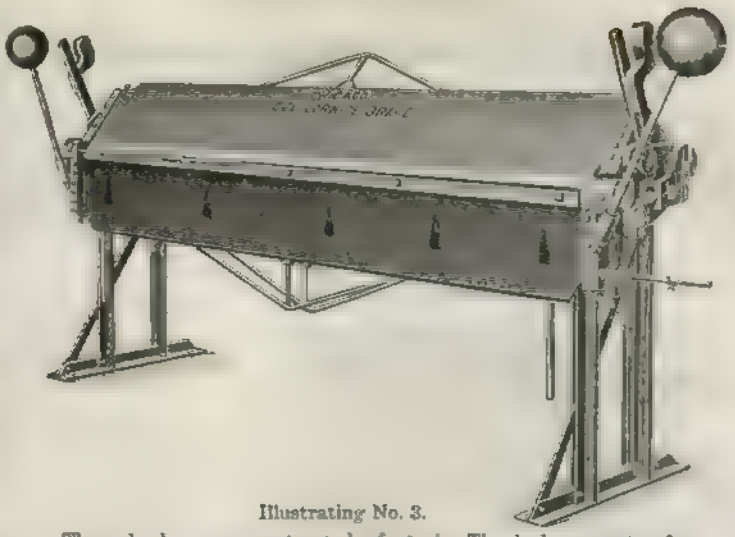
Net each

NO. 0*—Size 48x12 in., weight 70 lbs. . . . . Market Price
NO. 1 —Size 37x8 in., weight 50 lbs. $20.00
NO. 2*—Size 30x8 in., weight 30 lbs. . . . . Market Price

Net each

NO. 99*—Revolving, size 9x9 in., weight 18 lbs. . . . List each . . . . $. . . . . .

CORNICE BRAKES.



Illustrating No. 3.

These brakes are constructed of steel. The body consists of a patented arrangement of steel plates, and other parts where strength is required are made of steel castings. They will not warp or spring. They are unexcelled for rapid and accurate bending and are exceptionally strong and durable.

The principal features are: steel construction, one man operation, provisions on both ends to accommodate already bent flanges, wide opening of jaws, simple adjustment of clamping pressure and for sharp or rounding bends, improved stop gauge, angle bar for heavy bending, and apron edge which allows making as close as ⅛ inch reverse bends on light material

All cornice brakes are furnished with five formers for moulding work, stop gauge, angle bar for heavy bending and wrench fitting all adjustable parts.

Price List.

No. of Brake	Length	Capacity	Weight		Net each
1	12 ft. 1 in.	18 Gauge	4300		
1B	10 ft. 1 in.	14 "	3000		
2	10 ft. 1 in.	16 "	2500		
2B	10 ft. 1 in.	18 "	2100		
2A	10 ft. 1 in.	20 "	1800		
2C	8 ft. 1 in.	14 "	2000		Market
3	8 ft. 1 in.	16 "	1500		
3B	6 ft. 1 in.	16 "	1200		Price
4	8 ft. 1 in.	18 "	1000		
4B	6 ft. 1 in.	18 "	850		
4C	5 ft. 1 in.	18 "	750		
5	4 ft. ½ in.	14 "	800		
5B	3 ft. ½ in.	14 "	650		
6	4 ft. ½ in.	16 "	550		
6B	3 ft. ½ in.	16 "	450		

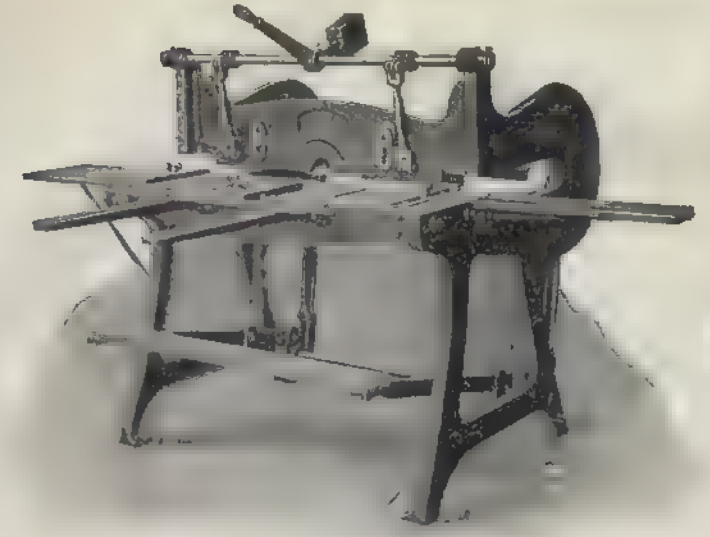
Market Price F. O. B. Chicago, Ill.

These brakes are made in lengths up to 16 ft. and to bend up to ¼ inch steel plate, belt or motor drive. Also brakes for making boxes and pans in one piece.

ITEMS MARKED (*) ARE F. O. B. BUFFALO, N. Y.

TINNERS' MACHINES.

FOOT GAP SHEARS.



"NIAGARA."

For No. 16 Iron and Lighter.

The gap arms formerly used to connect the cutter bar to the treadle rods are abandoned in the new construction thereby reducing the weight that must be moved [illegible] A series of compound levers, pivoted on the housings connects the cutter bar with the treadle rods.

The housings are made with a throat 18 inches deep to permit of cutting sheets of any length as far from the edge as the gap allows it. The actual cutting length is about 1 inch more than the nominal size, and the housings are far enough apart that sheets [illegible] equal to the cutting length can be passed through from front to back without [illegible]

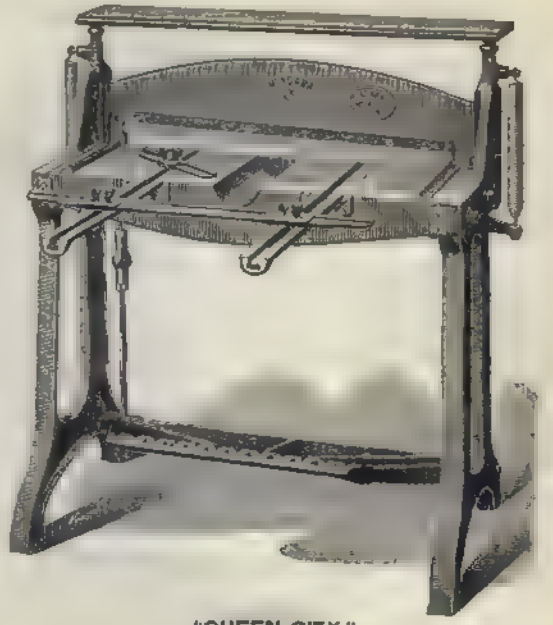
The [illegible] bars are made of steel and are extensible, to permit of regulating the length [illegible] to the thickness of metal to be cut.

[illegible] are covered [illegible] front, back bevel and side gauges and [illegible] There is a stop gauge at the right hand end [illegible] of which [illegible] cuts can be gauged from the cutting line [illegible] The back gauge has a micrometer device for close adjustment.

18 in. Throat, With Holddown and Gauges.

	Net each
*36 in., weight 1200 lbs	Market
*42 in., weight 1350 lbs	
*52 in., weight 1600 lbs	Price

SQUARING SHEARS.



"QUEEN CITY."

For No. 18 Iron and Lighter.

The Queen City Shears are in appearance similar to the "Excelsior," but being heavier and stronger than these and other tinners' shears, they will cut thicker material.

Side legs and guides for cutter bar are in one piece
Provision is made to compensate for the wear of the knives and guides
The knives are made of the best materials and ground perfectly true
Graduated scale is marked on bed

On shears 36 inches and longer it is advisable to use a hold-down attachment in front of the cutter bar, to insure a straight cut.

The price includes a set of front, back bevel and side gauges. The Micrometer Back Gauge is furnished.

	Net each
*22 in., weight 365 lbs.	
*30 in., weight 500 lbs.	
*36 in., weight 610 lbs.	
*42 in., weight 800 lbs.	Market
*52 in., weight 1000 lbs.	
*62 in., weight 1300 lbs.	Price
*Top shelf, extra	
*Iron drop tables, extra	
*Additional for hold-down on 30-in. and smaller shears	

Prices of 36-inch and larger shears include a hold-down attachment.

For the highest quality of White Enameled Ware, try the Polar brand. This we have for prompt shipment.

BENCH SHEAR HOLDER.

	Net each
NO. 16*—Bench shear holder, will hold shear in any position, weight 16 lbs	Market Price

ITEMS MARKED (*) ARE F. O. B. BUFFALO, N. Y.

"Pagoma"—guaranteed right or money refunded

TINNERS' TOOLS.

ADJUSTABLE GUTTER BEADER.

These machines possess the advantage of being adjustable for rods of various sizes from ⅜ to ¾ inch diameter. After forming the bead the jaws can be opened quickly to facilitate removing the work and rod. Owing to the adjustability of the frame, these machines are better adapted, than the ordinary Gutter Beader, to different thicknesses of material.

	Net each
30 in., weight 60 lbs.	$42.40
*42 in., weight 90 lbs.	
*48 in., weight 110 lbs.	Market Price
*60 in., weight 210 lbs.	

The price includes one straight rod (state diameter wanted). We usually furnish ½ inch rod for 30 to 48 inch Beaders and ⅝ inch rod for 60 to 120 inch machines.

(*) GUTTER RODS.

Length	20 in.	30 in.	42 in.	4 ft.	5 ft.	8 ft.	10 ft.
List each.							
Net each.							

Always state diameter of rod wanted, whether ⅜, ½, ⅝, ¾.

Gutter Beader Rods longer than 30 inches have handles on both ends.

HAND DOUBLE SEAMERS.

Each Seamer is Made for Two Widths.

	Net per set
Hand Double Seamers, to match roofing tongs 1 and 1½ in., weight 16 lbs per set, (illustration is half set).	$6.60

ROOFING FOLDERS.

	Net each
Roofing Folders, wood, **common,** for 20 in tin, weight 7 lbs.	$10.00
Roofing Folders, wood, **common,** for 28 in tin, weight 12 lbs.	11.50
Roofing Folders, wood, **improved,** for 20 in tin, with gauge, weight 7½ lbs	13.00
Roofing Folders, wood, **improved,** for 30 in tin, with gauge, weight 15 lbs.	15 50

TONGS.

ROOFING.

GUTTER.

EDGING.

	Net per set
Roofing Tongs, sizes 1 or 1½ in., blades 18 in, weight 16 lbs per set, (illustration is one half set)	$20.80
1 and 1½ in. are common gauge, 1¼ and 1½ in are wide gauge.	Net each
Gutter Tongs—Throat 14 in, length of blades 14 in, weight 9 lbs each	$10 00
Edging Tongs For use on single seam roll and cap roofing only, sizes 1 in high, weight 11 lbs per pair, illustration is one pair	Net per pair $7.80

ITEMS MARKED (*) ARE F. O. B. BUFFALO, N. Y.

"Pagoma" is sold by us as the best your money can buy

TINNERS' TOOLS.

DOUBLE SEAMERS.

Net per set of two pairs

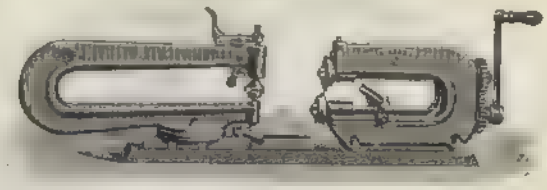
NO. 42*—Burrill's, size 1 and 1¼ in., weight 42 lbs. per set
.....List per set of two pairs $..... Market

NO. 43*—Burrill's, size 1¼ and 1½ in., weight 44 lbs. per set..
.....List per set of two pairs $. Price

Illustration is half set or one pair

We are distributors of the Heath and Milligan line of Paints, complete in every detail. Carry goods which you are not afraid to guarantee.

NIAGARA WAUGH'S CIRCLE SHEARS.

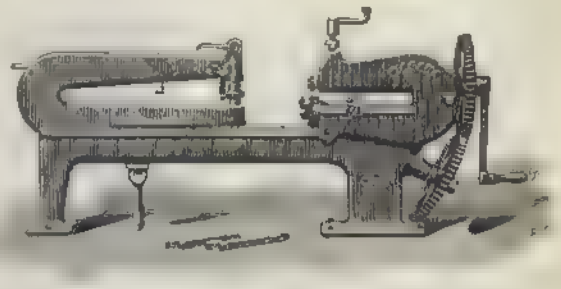


The shears will cut round blanks of sheet metal, and they can also be used for straight cutting. The cutters are always set ready for use. The circle arm can be quickly moved to any desired position and fastened there. There is a scale marked on the bed, according to which the circle to be cut. The material is clamped between the disks by means of a quick acting eccentric lever, which always exerts the same pressure. Adjustment is provided for wear of the cutters, and we furnish a slitting gauge and one drop gauge, to give the proper position of the blank between the disks.

Nos.	Capacity	Will Circle Inches	Depth of Cutting Head Inches	Shipping Weight Lbs.	List Each	Net Each
2*	No. 22	3 to 22	9½	120	$.....	Market
4*	No. 22	3½ to 43	9½	300	.	
16*	No. 16	4 to 48	13	465	.	Price

No. 5 is back geared, at ratio of 4 to 1.

RING AND CIRCLE SHEAR.



Capacity, No. 20 Iron and Lighter.

This machine is suitable for cutting internal circles or holes without cutting through the edge of the sheet, besides outside cutting. The sizes of internal circles that can be cut into a given blank depend upon the size and shape of the blank and the depth of throat in cutting head and circle arm.

The circle arm can be quickly moved to any desired position and fastened there. There is a scale marked on the bed, according to which the circle arm can be adjusted for the diameter of the circle to be cut. The material is clamped between the disks by means of a quick acting eccentric lever, which always exerts the same pressure. Adjustment is provided for the wear of the cutters, and we furnish a slitting gauge two drop gauges, to give the proper position of the blank between the disks.

NOS.	11*	13*
Depth of throat in cutting head	9	9 in.
Depth of throat circle arm	16	30
Will circle from	3½ to 22	3½ to 42in.
Shipping weight	195	250 lbs.
List each	$. ..	.....
Net each	Market	Price

ALL F. O. B. BUFFALO, N. Y.

"Pagoma" is sold by us as the best your money can buy

TINNERS' TOOLS.

LEVER PUNCHES.

NIAGARA

The plunger is operated by a powerful toggle movement. All parts are made of malleable iron and steel, in order to combine strength with the least possible weight. Back and side gauges are provided.

Depth of throat, 1⅝ inches; distance from center of slide to face ¼ inches.

Will punch ½ inch hole through No. 18 iron.

Three punches and one die for holes ⅜, 7/16 and ½ inch diameter are sent along.

	Net each
NO. 2N*—Weight 8 lbs. ..... List each $.	Market Price

WHITNEY.

Exclusive Features—All parts Drop Forged, insuring uniformity, and freedom from blow holes and defects.

Construction—A modern departure from the ordinary type of hand punches—operating upon two extra case hardened roller surface bearings, assisted by two sets of cogs, the combination forms the **most powerful leverage** ever applied to hand metal working tools, producing the maximum capacity with the minimum exertion.

Symetrically proportioned. Strongly reinforced where greatest strain comes.

Quick Adaptability to Work—Punches instantly changed, as lower cut shows, by throwing back upper lever, and raising intermediate, into which punch head is inserted. No tools required. No nuts or bolts to remove.

Only Portable Hand Punch with this advantageous feature. Dies easily changed and adjusted.

Capacity, 7/16 in. hole through ½ in. iron, punches up to ⅝ in. hole in lighter metal.

Two extra punches and one die with each punch.

NO. 2—Sizes of Punch	3/16	¼	5/16 in.
Length	23	23	23 in.
Weight each	15	15	15 lbs.
List each	$15.00	15.00	15.00
Net each	$30.00	30.00	30.00

ONE IN A BOX.

		Net each
Extra Punches—Sizes 7/16, ½ and 9/16 in	List each $0.75	$1.00
Extra Dies—Sizes 7/16, ½ and 9/16 in	List each .75	1.00

The die is the part that punch hits into

NIAGARA.

The lever works both ways. The machine has sufficient strength to punch a hole ½ inch diameter through iron ½ inch thick or equivalent. ⅜ and ½ inch holes can be punched in angle iron provided the center of the holes is not less than ⅝ in. from the inner corner. An adjustable gauge is applied to regulate the distance of the holes from the edge of the sheet, also a stripper.

Three punches ⅜, 7/16 and ½ inch diameter and one die to match are included.

	Net each
NO. 12*—Throat 6 in., weight 115 lbs. ..... List each $.	.....

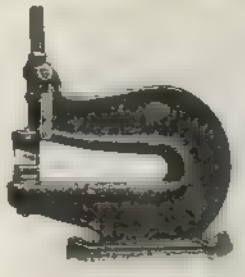
COMBINED SHEARS AND PUNCHES.

These machines are suitable for cutting and punching metal. Sheets of any length and width can be cut apart. In shearing, as well as punching, the lever works towards the operator. No. 224 has separate lever movements for the punch and shear parts.

No. 2 will cut 7/16 in. iron; will punch ½ in. hole through 7/16 in. iron.
No. 3 will cut 7/16 in. iron; will punch ½ in. hole through ½ in. iron.
No. 224 will cut ⅝ in. iron; will punch ½ in. hole through ⅝ in. iron.
Cutting length of No. 2, 5 in., No. 3, 5½ in.; No. 224, 7 in.
Throat of punch, No. 2, 3½ in., No. 3, 5 in., No. 224, 6 in.

	Net each
NO. N2*—With ½, 7/16, ½, 9/16, ⅝ punches, weight 150 lbs. .... List each $.	Market
NO. N3*—With ½, 7/16, ½, ⅝ punches, weight 300 lbs. List each .	
NO. 224*—With ⅝ and ½ punches, weight 550 lbs. List each	Price

DEEP THROAT SHEARS AND PUNCHES



NIAGARA

The deep throat of the frame permits of cutting or punching holes in large sheets.

Knives are 4 inches long and have two cutting edges which can be used alternately.

They are arranged to swivel, to permit of cutting from back to front, right to left, or at any desired angle. The position of the knives can be changed quickly.

Punching Attachment can be applied to the shearing machines, that shearing or punching can be done alternately. It consists of punch and die holders, stripper, punches and die for holes ½, 7/16 and ⅜ inch diameter.

Nos. 55 to 58 will cut ½ inch iron and lighter, will punch ½ inch hole through ⅜ inch iron, or the equivalent.

No. 66 will cut 7/16 inch iron and lighter, will punch ½ inch hole through ½ inch iron, or the equivalent.

	Throat	Weight	List each	Net each
No. 55* Shears Only complete	18 in.	315 lbs.	$	
No. 56* Shears Only complete	24	410	.	
No. 58* Shears Only complete	36	550		
No. 66* Shears Only complete	24	550		
No. 55* Punch Only complete	18	315	.....	Market
No. 56* Punch Only complete	24	410	.....	Price
No. 58* Punch Only complete	36	550		
No. 66* Punch Only complete	24	550		
*Punching Attachment extra.....			.	

ITEMS MARKED (*) ARE F. O. B. BUFFALO, N. Y.

"PAGOMA" Will Give You Service and Satisfaction.

GASOLINE TORCHES.

VESUVIUS

No 36.

GASOLINE BLOW TORCH.

Seamless steel tank, tinned after fabrication. A small blow torch for hard use. The steel tank construction gives exceptional strength and the heavy lead coating prevents any oxidation or corrosion of the steel. Eleven inches high over all

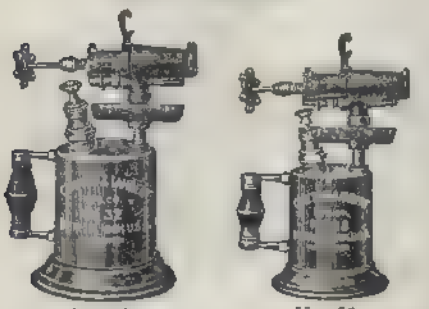
Net Each

NO. 36—Capacity 1½ pints, with hook, weight 3½ lbs. $6.70

ONE IN A BOX

CLAYTON & LAMBERT SINGLE NEEDLE TORCHES.

For Gasoline.
Hook Is Removable.



No. 32. No. 38.

OUR IMPROVED BURNER PRODUCES OVER 300 DEGREES MORE HEAT.

The No. 32 Torch has been the favorite with mechanics for many years. Improvements have been added from time to time, giving the user the best possible service and our new burner which has wonderful generating power now places the No. 32 far in the lead of all other single needle torches. It produces over 300 degrees more heat than any Torch on the market burning low test fuels perfectly The tank is of heavy gauge brass strongly reinforced on the inside The pump and all fittings are the very best and the sturdy construction of this tool is well known to thousands of users. No. 32 saves time and fuel and will outlast two ordinary Torches.

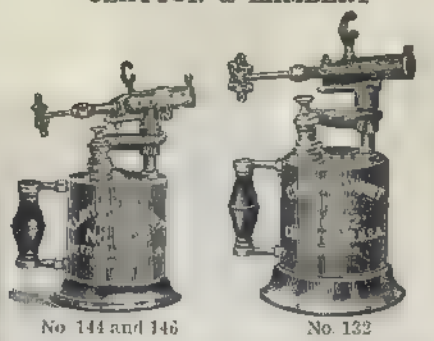
Net Each

NO. 32—Capacity 1 quart, weight each 5¼ lbs. $10.80

NO. 38—Capacity 1 pint, weight each, 4 lbs., otherwise same as No. 32.... 10.20

ONE IN A BOX

CLAYTON & LAMBERT



No 144 and 146 No. 132

No. 144 torch for gasoline is made to meet the demand for a low priced torch. The burner is made of bronze metal and produces a hot steady blue flame. Tank is made of seamless drawn brass with funnel shaped bottom. Fitted with automatic brass pump. A detachable cast bronze soldering iron attachment screws in the burner tube.

Net each

NO. 144—Capacity, 1 quart, weight 4 lbs..$9.00

NO. 146—Capacity 1 pint, weight each 3 lbs., otherwise same as No. 144.....$8.40

The No. 132 Torch makes a perfect fire whether used indoors or out, in hard wind or extreme cold. A strong blast heat is generated by a powerful Burner and the resulting blue flame is a joy to the user. The Burner has cast bronze hook and support for heating a soldering copper. If durability and service are what you want, the No. 132 will certainly please you.

Net Each

NO. 132—Capacity 1 quart, weight each, 4½ lbs. $9.60

Net Each

NO. 148—Capacity one quart; is the best low priced torch on the American market. Tank is of brass, good bronze burner, and has pump in the handle. The burner hook is removable. Wt. each 4 lbs. $7.20

ONE IN A BOX.

FLAT TANK TORCH,

For Gasoline

This torch is oblong, being 1⅞ inches thick, 5 inches long and stands 8⅛ inches high, complete with Burner. It is fitted with powerful single Needle Burner, which is light, yet sufficiently powerful to generate a flame adapted to all requirements. The Burner hook is removable. The Pump, which forms part of the handle, is automatic, enable the user to secure the required air pressure quickly. The No. 48S is the ideal Torch for carrying in the tool box or kit and for the electricians and emergency use, and for close work in corners where the ordinary torch cannot be used

Net Each

NO. 48S—Capacity 1 quart, weight each, 4 lbs. $13.20

ONE IN A BOX

CLAYTON & LAMBERT

No. 208

Double Blunt Needle Torch for Gasoline or Kerosene.

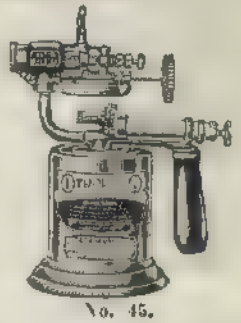
The most powerful quart torch ever produced. Works perfectly in wind and weather far below zero. Burner with super-heating chamber, made of special bronze generator metal. Lower needle is the shut-off which regulates and controls the flame. Top needle is the cleaner only. Impossible to enlarge orifice. Tank made of heavy gauge seamless drawn brass, reinforced and has concaved brass bottom. Equipped with automatic brass pump with double spring check valve. Burner has cast hook and support for soldering copper.

Net each

NO. 208—Capacity 1 quart, weight 5¼ lbs. $11.40

ONE IN A BOX

TURNER MASTER LINE.



No. 45.

The one opening in tank on top above the fuel line obviates leaks from soldered brackets, etc. The Automatic Safety Valve and air release prevent pumping excess or bursting pressure. Baffle and Heater Plug gasify either today's gasoline or kerosene to a hot dry gas gas effecting more heat on lower fuel consumption. Air adjusting tube for various gravity fuels. Adjusting needle and shut-off needle separate entirely prevent the enlarging of the orifice (so common an occurrence on single needle blow torches) which makes the burner useless. The Pistol Grip Handle allows for any size hand. The above are exclusive Turner improvements. Its superiority in heat units, quick generation and safety account for its being America's most popular selling blow torch.

Net Each

NO. 45—1 quart capacity. Heavy gauge brass body; weight each, 5 lbs.....$11.42

ONE IN A BOX.

ALCOHOL TORCHES.

CHAMPION.

A sturdy torch, size overall 7x3¼, tank 2½ in diameter, which will do as much work as a large one.

Starts with a match, has no pump or valve, is entirely automatic and burns three hours with one filling.

Produces a perfect Bunsen flame of over 1700 degrees Fahrenheit

A fine torch for any and all kinds of work.

Perfectly safe and nothing about it to get out of order.

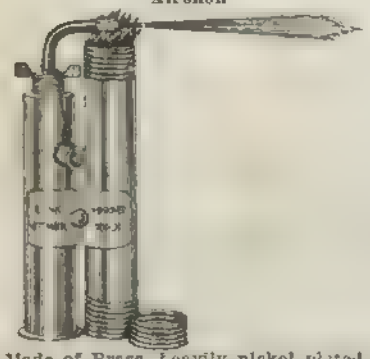
For any purpose where quick, cheap, clean and intense heat is desired. All parts interchangeable. Starts in 20 seconds.

Net Each

NO. 30—Polished brass, nickel plated; weight 10 lbs. per dozen..... **$3.60**

ONE IN A PAPER CARTON
HALF DOZEN IN A SHIPPING CARTON

LENK AUTOMATIC.
Alcohol.



Made of Brass, heavily nickel plated. Inexpensive and simple to operate. No pumping or priming. A clean, intensive flame in thirty seconds. Remove cap off bottom of the one tube and saturate the wick with denatured alcohol, remove the top cap off the one tube and light it, then turn the neck of the other tube into the flame, when the tube gets hot down to the body, gas forms and flame shoots out of hole in tube. An ideal torch for electrical and radio work. Net Sach

NO. AM25—Alcohol Torch, size 2⅞x5¾ inches.....Retail price $1.50 **$2.10**

ONE IN A BOX.
ONE-HALF DOZEN IN A DISPLY CARTON.

CHARCOAL.

Good Quality.

Net per lb.

NO. AM1 ..... **$0.07½**

ABOUT 75 LBS. IN A SACK.

GASOLINE FIRE POTS.

The Greatest General Utility Fire Pot Made.

The No. 1 improved double blunt needle fire pot is 12½ inches high, 9¾ inches in diameter at base, 6¾ inches in diameter at top and the tank holds seven pints. It is adapted to a greater variety of uses than any other make of fire pot on the market.

The tank is made of heavy drawn sheet steel, tinned inside and out (rust proof), (thoroughly braced), because the strength and durability of this metal enables the tank to withstand harder usage and last longer than if made of brass or any other material, and it is more easily replaced or repaired when worn out or damaged.

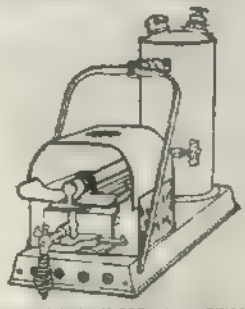
The burner (at the expense of only half the gasoline required in other makes), represents the highest development in generating power and heat efficiency, quickly producing an ideal blue flame entirely free from smoke, easily regulated, giving satisfactory results under all reasonable conditions, including windy or cold weather. The burner is attached to a swivel joint, which permits moving the flame up or down, and being located outside the hood does not become clogged or eaten out by drippings. The burner is fitted with clean-out plugs, thus being easily kept clean.

Net each

NO. AM1—Capacity 8 pints, weight 14 lbs. **$20.76**

ONE IN A BOX.

GASOLINE FURNACE.



IMPROVED "GEM" NO. 8, WITH PUMP.

The new improvements made in this furnace make it possible to use the poor grade of gasoline now being marketed with satisfaction. The Improved Drip Cup has three times greater heating surface and gasoline capacity. Its generation is secured in one-half to two-thirds the time of the former cup. The new drawn seamless steel generator pipe has a spiral core which causes the gasoline to travel 75 per cent farther. The cast iron burner has been slotted to further increase the heat on the generator pipe, giving maximum generation. A slight change in construction of the furnace allows it to use 25 per cent more air, giving a greater range of heat, generation and economy of gasoline. Size 20x7x15 inches high.

Net Sach

NO. AM8—Gem with copper reservoir and pump. Weight each, crated, 22½ lbs. **$32.00**

GASOLINE FIRE POTS.

For Tinners.

The No. 80 Improved Double Blunt Needle Fire Pot is noiseless, smokeless and odorless Has subflame for the generator which permits the heating flame to be turned low when not in use. Burner has double heating surfaces producing intensely hot blue flames, which burn from each side to the center. Will heat a pair of 12-lb. coppers quickly while melting a pot of metal. Tank is made of drawn steel, tinned inside and out to prevent rust. No. 80 is the hottest fire pot made. It is wind proof and not affected by extreme cold.

Net Each

NO. 80—Capacity 1 gallon; weight 16¼ lbs. each **$21.66**

ONE IN A BOX

IMPROVED COIL FIRE POTS.

For Gasoline.

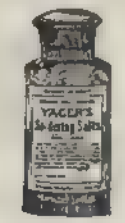
The No. 23 Fire Pot is the latest improved, up-to-date Coil Fire Pot, made with seamless drawn steel tank, tinned inside and out (rust proof), large funnel and dust-proof filler plug, heavy uprights, large valve, cushion protection hand at base of tank and heavy malleable top plate. Patented three-piece coil cup and top plate enables the user to remove the top section by unscrewing three large nuts exposing the burner and coil. There are no coil cup lugs or small nuts to burn off. Air pressure is produced by means of an automatic brass pump. It is fitted with Tinners shield, which is of sheet steel, quickly heating a pair of large size soldering coppers. The shield is removable, thus making the fire pot excellently adapted to melting metals and various other work. The remarkable efficiency and especially low price of No. 23 Fire Pot recommends its use to those who have formerly used charcoal fires.

Net Each

NO. 23—Capacity 1 gallon; weight each, 13½ lbs. **$18.12**

ONE IN A BOX.

SOLDERING SALTS.



A complete substitute for the usual mixture used for soldering purposes. It makes a better joint, is safer, cleaner, more convenient, and cheaper than the old fashioned method. Uniform in strength, and unaffected by climatic changes.

	Net each
½ lb. cans	$0.60
1 lb. cans	1.00

SOLDERING COPPER HANDLES.

Wire Wound.

	Net per doz
NO AM31—Plain wood, weight 2 lbs. per doz	$1.20

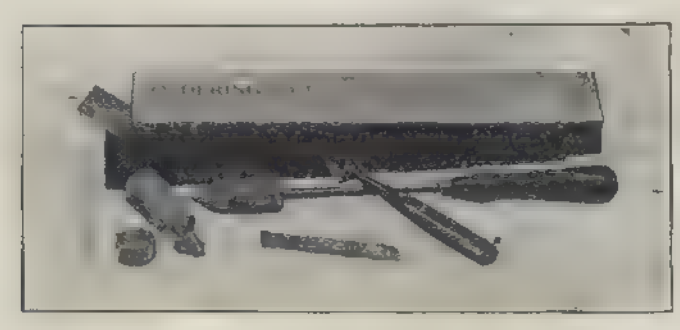
TWO DOZEN IN A BOX.

SOLDERING COPPERS.

Regular Pattern, Sharp Point, Without Wood Handles.

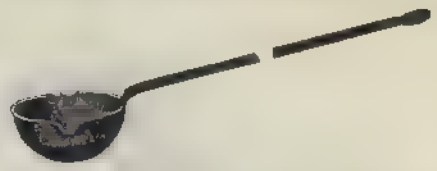
		Net per lb.
NO. AM10—1	lb. per pair	$0 66
1½	lb. per pair	.60
2	lb. per pair	.56
3	lb. per pair	.52
4	lb. per pair	.52
5	lb. per pair	.52
6	lb. per pair	.52
8	lb. per pair	.52
10	lb. per pair	.52

SOLDERING SETS.



	Net Doz. Sets
NO. AM56—Set consists of one octagon soldering copper, one box powdered rosin, one stick triangular solder, one japanned and polished scraper, tin for tinning copper, and a heavy pasteboard box with full directions, weight 10 lbs. Per dozen sets	$6.20

MELTING LADLES.



Cast Iron Bowl and Handle, Double Lipped.

NOS.	AM83	AM84	AM85	AM86
Size of bowl	3	4	5	6
Weight per doz	12	17	27	35 lbs.
Net per dozen	$5 00	7.00	10.40	14.00

GLUE POTS.

Cast Iron, with Porcelain Lined Cup.

Will fit any gasoline furnace.

NOS.	AM00	AM0	AM1	AM2
Capacity	½	¾	1	2 pts.
Weight per dozen	36	48	54	63 lbs
Net per dozen	$22.50	22.70	27.40	29.00

NOS.	AM3	AM4	AM5	AM6
Capacity	2½ pts.	1½	1½	2½ qts.
Weight per dozen	84	96	111	144 lbs.
Net per dozen	$33.90	45.20	49.10	58.60

CIRCUMFERENCE RULES.

The Circumference Rule is a very useful tool for obtaining circumferences of circles by simply measuring the diameters. As shown in the cut, the top edge is graduated with sixteenths of inches. The bottom edge with what, for convenience is called "circumference inches," divided into eights. The divisions of this edge, compared with the opposite edge, bear the same ratio inversely to each other as the diameter of a circle to its circumference. Therefore, opposite the first inch on top edge is read on the lower edge 3 and the fraction representing 0.1416 inches. Its use will readily be appreciated by tinners and other sheet-metal workers, for whom it is particularly adapted.

The reverse side gives the following useful table of measurement

Liquid Measure—Flaring	¼ pint to 5 gallons
Dry Measure—Flaring	¼ bushel to 2 bushels
Dry Measure—Straight	1 quart to 3 bushels
Cans—Pitched Top	2 gallons to 10 gallons
Cans—Flat Top	1 gallon to 200 gallons

	Net Each
NO 95 Rule 36 in long, plain	List each $2 50 $6.20
Straight Edge—4 ft long, steel, 2¼x¼ in., beveled edge	List each $3 25 14.60

TINNERS' SNIPS.

WISS.

**Blades Made of 100 Point Carbon Steel.
Carefully Tempered, Ground and Polished.
Handles and Rings Properly Shaped
Fully Warranted.**

BEST BY ACTUAL TEST

Wiss Tinner's Snips may be tested to cut 20 wire nails without marring the edges, and then cut clean the light st of tin. Jeweler. This test shows the fine adjustment of the Wiss Snips, its strength and toughness, and its wonderful, keen edge

STRAIGHT.

NOS.	8	9	10	11	12	13
Cut	3½	3	2½	2¼	2	2 in.
Full length	13½	12½	11½	9½	8	7 in.
Weight per pair	2¾	2½	1¾	¾	½	½ lbs.
Net per pair	$3.80	3.40	3.10	2.30	2.00	1 80

ONE PAIR IN A BOX

COMBINATION
Designed to Cut Curves and Irregular Shapes.

NOS.	18	19	100
Cut	3½	3	2½ in.
Full length	13½	12½	11½ in
Weight per pair	2¼	1¾	1½ lbs.
Net per pair	$4.40	4.00	3.50

ONE PAIR IN A BOX.

CIRCULAR.

NO.	29
Cut	3 in
Full length	12½ in.
Weight per pair	2¼ lbs.
Net per pair	$5.30

ONE PAIR IN A BOX

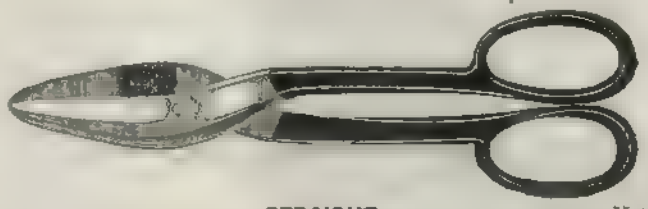
STAR.

STRAIGHT. Net per pair

NO. 90—2½ in. cut, cast iron, japanned handles, polished blades, weight 1½ lbs. per pair ... $0.40

HALF DOZEN PAIRS IN A BOX

FORGED STEEL.



STRAIGHT. Net per pair
S. & H. Red Enameled Handles, Polished Blades.

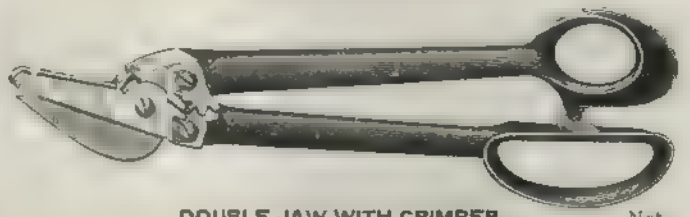
NO. 578 2 in. cut, 7 in. long, forged from tool steel, a good serviceable snip, weight ⅓ lb. per pair ... $0.90

NO. 270—2¾ in. cut, 10 in. long, weight ¾ lb. per pair, otherwise same as No. 57. ... 1.18

NO. 1270 3½ in. cut, 12 in. long, weight 1¼ lbs. per pair, otherwise same as No. 57 ... 1.36

SIX PAIRS IN A BOX

BERRIDGE.



DOUBLE JAW WITH CRIMPER. Net per pair

NO. 2—Double cutting with pipe crimper, length 13 in., weight 2¼ lbs. per pair ... $5.00

ONE PAIR IN A PAPER PACKAGE.

BENCH SHEARS.

Nos.	60*	0*	1	2
Jaws	12½	11	9½	9 in.
Entire length	46	41	36	33 in.
Weight each	33	29	21	17 lbs
List each	$19 16	17 52	12 24	11 08
Net each	$34 50	31.60	25 70	22 50

Nos.	3	4	5*	6*
Jaws	8½	8	7	6 in
Entire length	31½	29	27½	25½ in
Weight each	13	10	8	5½ lbs
List each	$10.04	9 08	8.56	7 10
Net each	$20.80	18.80	15 80	13 30

SIZES MARKED (*) F. O. B. FACTORY ONLY.

TINNERS' TOOLS.

SOLID PUNCHES.

Nos.	0	1	2	3
Hole	5/32	1/4	7/32	9/64 in.
Rivets	12	10	8	6 lbs
Net per doz.	$4 60	4.00	4.00	3.50

Nos.	5	6	7	8
Hole	5/16	11/32	3/8	7/16
Rivet	2	1	1	1 lbs
Net per doz	3.50	3 50	3.50	3 40

Net per set $2.00

In sets, 4 punches, 2 chisels, weight 1½ lbs. per set.

RAISING HAMMERS.

With Handles.

Nos.	1	2	3	
Weight	4½	3½	2½	1½ lbs
List each	$2.70	2.20	1 60	1 35
Net each	$5 50	4.50	3.30	2.70

RIVETING HAMMERS.

Nos	1	2	3	4	5
Face	1 1/16	1	7/8	1/4	5/8 in.
Weight	1½	1½	1	¾	½ lbs
Net each	$1 90	1.70	1.64	1 62	1 60

WIRE CHISELS.

Size	¼	5/16	⅜	7/16	½ in.
List each	$0 19	20	20	23	25
Net each	$0.40	42	42	48	.52

Size	9/16	⅝	11/16	¾	13/16 in.
List each	$0 32	.34	.36	.38	.50
Net each	$0.66	.70	.76	.80	1.04

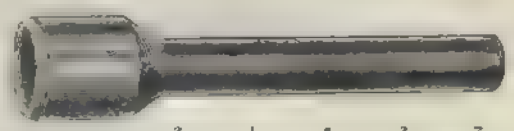
SETTING HAMMERS.

Nos.	1	2	3	4	5
Face	1⅛	1	⅞	¾	⅝ in
Weight	½	1½	1	½	¼ lbs.
Net each	$1 90	1 70	1.64	1 62	1 60

LANTERN CHISELS.

	Net each
Cast steel	List each $0 22 $0 46

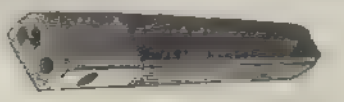
HOLLOW PUNCHES.



Size	3/16	1/4	5/16	3/8	7/16	½ in.
Weight each	¼	⅜	½	⅝	¾	⅞ lbs
List each	$0.25	.38	.50	.68	.75	88	1.00
Net each	$1 30	1.30	1.30	1.66	2.02	2.30	2.64

Size	1 1/16	1⅛	1 3/16	1¼	2	2 1/16	2⅛	3 in
Weight each	1	1⅛	1⅛	2	2½	2½	3	3½ lbs.
List each	$1.13	1.25	1.50	1 75	2 50	2.81	3.13	3 75
Net each	$3.00	3 30	3.92	4.80	5.20	7.90	9.20	10.92

RIVET SETS AND HEADERS.



Forged Steel, Polished and Japanned.

Nos	00	0	1	2	3
Rivets	14 lbs.	10 and 12 lbs.	8 lbs.	6 lbs.	4 and 5 lbs
List each	$0 64	.64	.50	.50	.42
Net each	$1.32	1.32	1.08	1.08	.86

Nos.	4	5	6	7	8
Rivets	2½ and 3	1½ and 2	1½	1¼ lbs.	1 and 12oz
List each	42	.36	30	.26	26
Net each	$0 86	.68	68	.60	60

HAND GROOVERS.

Nos..	00	0	1	2	3	4	5	6	7	8
Groove	1/8	5/32	3/16	7/32	¼	9/32	5/16	11/32	3/8	7/16 in
Weight each	1½	1½	1½	1½	1	1	¾	¾	¾	¾ lb.
List each	$1 10	1 10	1 00	1 00	90	.90	80	80	80	.80
Net each	$1 72	1 72	1.56	1 56	1 50	1 50	1 50	1 50	1.50	1 50

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WOOD FLOOR

	Each
No. 6H—Base only, black walnut, hand rubbed lacquer finish. Two chain pull sockets. Height 68 ins. Complete with 8 ft of cord and separable attachment plug	$33 75
No. 8009S—Shade only, round, blue shirred silk top and silk panels over old rose lining, alternated silk panels with tinsel braid on ribs; diam 24 ins.	27 30
No. 6H-8009S—Complete including base and shade	61 05

Stock and base crated, shades in carton; wt each 28 lbs.

WOOD FLOOR

Hardwood post. Two pull chain sockets. Height 68 inches. Complete with 8 feet of cord and separable attachment plug.

Base.	Each
No. 6M—Base only, mahogany rubbed finish	$26 10
No. 6I—Base only, mahogany rubbed finish with japanese decorations	35 55

Shade.

Round. 6 inch bullion fringe and iantique tinsel braid. Diam 24 ins.

No. 8009BR Blue georgette top with sunburst and fancy embroidered panels over rose satin ella interlining	$27 30
No. 8009GG Mulberry georgette top with sunburst and fancy embroidered netting panels over orange satinella interlining	27 30
No. 6M-8009BR—Complete including base and shade	53 40
No. 6J-8009GG—Complete including base and shade	62 85

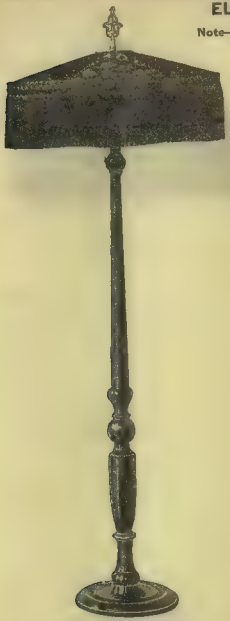
WOOD FLOOR

	Each
No. 4J—Base only, hardwood post, mahogany rubbed finish, japanese decorations. Two pull chain sockets. Height 68 ins. Complete with 6 ft of silk covered cord and separable attachment plug	$21 75
No. 1200—Shade only, round, blue silk georgette top over rose sateen lining and interlining, embroidered panels, antique tinsel braid decorations, 6 in silk and bullion fringe. Diam 24 ins.	19 80
No. 4J-1200—Complete including base and shade	41 55

Stock and base crated, shades in cartons; wt each 20 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.



WOOD FLOOR

Each

No. 4M—Base only, hardwood post and base, mahogany rubbed finish. Two chain pull sockets. Height 68 ins. Complete with 6 ft. of cord and separable attachment plug..... $18 15

No. 5530—Shade only, oblong, pleated mulberry georgette top with fancy embroidered lace panels, rose sateen lining and interlining, antique gold braid around top and bottom, 6 in fringe. Length 24 ins, width 18 ins..... 13 65

No. 4M-5530—Complete including base and shade..... 31 80

Stock and base crated, shades in carton; wt each 22 lbs.

WOOD JUNIOR

Each

No. 976J-Base only, solid mahogany post, hand carved twisted flower effect with fancy scroll work, satin mahogany finish with antique toning. Two chain pull sockets with silk cords with amber glass tear drops on the ends. Height 62 ins. Complete with 8 ft of silk covered cord and separable attachment plug..... $69 30

No. 3130—Shade only, octagonal; imported peach georgette top over peach drum lining and interlining; 2 inch light blue ruching and gold braid around top and bottom edges; width 16 ins..... 41 10

No. 976J-3130 Complete including base and shade..... 110 40

Stock and base crated; shades in cartons; wt each 25 lbs.

WOOD JUNIOR

Each

No. 999J—Base only, hardwood post in attractive turnings with bandings of metal lace, ebony finish with gold decorations. Two chain pull sockets. Height 62 ins. Complete with 8 ft of cord and separable attachment plug..... $36 75

No. 3089—Shade only, oval, taupe pleated georgette top over orange lining and rose interlining; 2 inch black and gold ruching around top and bottom, floral decorations, length 18 ins. 36 75

No. 999J-3089—Complete including base and shade..... 73 50

Stock and base crated; shades in cartons; wt each 23 lbs.

ELECTRIC PORTABLE LAMPS

NOTE—Prices do not include incandescent lamps.

WOOD JUNIOR

No. 939J—Base only, solid mahogany hand carved post, satin dull rubbed finish. Two chain pull sockets with silk cords and tassels. Height 62 ins. Complete with 8 ft of silk covered cord and separable attachment plug $39 60

No. 3070—Shade only, oval pointed; taupe pleated georgette top in alternate panels with medallion ornament in center panel, orange lining, old rose interlining, wide ruching in center, 6 in. silk fringe; length 22 ins . . . 36 75

No. 939J-3070 Complete including base and shade 76 35

Stock and base crated; shades in cartons; wt each 23 lbs.

WOOD JUNIOR

Each

No. 1440—Base only, fluted hardwood carved post and base, burnished gold and polychrome finish. Two pull chain sockets. Height 62 ins. Complete with 6 ft. of silk covered cord and separable attachment plug . . $19 35

No. 449—Shade only, oblong, taupe pleated georgette top over rose lining and interlining, 6 in. silk skirt, black and gold braid around edge and on top panels, gold braid sunbursts on middle panels, 6 in. silk and bullion fringe. Length 22 ins; width 15½ ins. 38 55

No. 1440-449—Complete including base and shade 57 90

Stock and base crated, shades in cartons; wt each 18 lbs.

WOOD JUNIOR

Each

No. 1400—Base only; hardwood post and base, gold stippled and polychrome finish, hand carved. Two chain pull sockets. Height 62 inches. Complete with 6 ft of silk covered cord and separable attachment plug $19 35

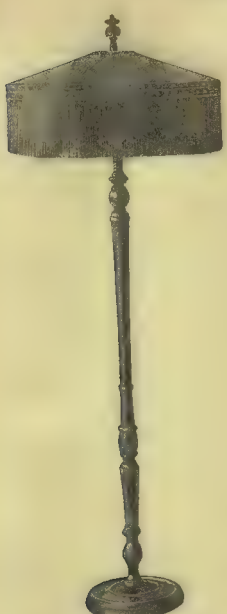
No. 410—Shade only, oblong, black pleated georgette top over orange charmeuse lining, 2 in. gold and black braid around top and bottom, four brocaded gold and black ornaments; 6 in. silk and bullion fringe. Length 23 ins; width 15 ins 38 55

No. 1400-410—Complete including base and shade 57 90

Stock and base crated, shades in cartons; wt each 21 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.



WOOD JUNIOR

Each

No. 1402—Base only, hardwood post and base, polychrome brass effect finish. Two chain pull sockets. Height 62 ins. Complete with 6 ft of cord and separable attachment plug **$14 55**

No. 302—Shade only, oblong, blue pleated georgette top over rose lining and charmeuse interlining, 2 in. tinsel band trimming, 6 in. silk skirt and silk bullion fringe. Length 23 ins; width 14 ins **25 35**

No. 1402-302—Complete including base and shade **39 90**

Stock and base crated, shades in cartons; wt each 18 lbs.

WOOD JUNIOR

Each

No. 195—Base only, hardwood fluted post and base, black and gold polychrome finish. Two chain pull sockets. Height 62 ins. Complete with 6 ft of cord and separable attachment plug **$14 55**

No. 57—Shade only, oblong, shirred taupe georgette top over rose charmeuse drum lining. 2 in. tinsel band trimming, 6 in. mull skirt; 6 in. silk and bullion fringe. Length 23 ins; width 14 ins **22 20**

No. 195-57—Complete including base and shade **36 75**

Stock and base crated, shades in cartons; wt each 19 lbs.

WOOD JUNIOR

Each

No. 1154—Base only, Hardwood carved post, antique gold finish with ivory tonings. Two chain pull sockets. Height 60 ins. Complete with 6 ft of cord and separable attachment plug. . . **$24 90**

No. 4562—Shade only, round, pleated taupe georgette top over orange lining, two tone ruching around top and bottom, floral spray decoration. Diam 18 ins **22 95**

No. 1154-4562—Complete including base and shade **47 85**

Stock and base crated; shades in cartons; wt each 20 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WOOD JUNIOR

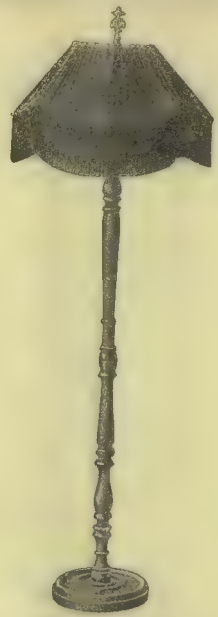
Each

No. 1124—Base only, Hardwood post, enameled in combination ivory, blue and rose, mounted on ornamental scrolled antique gold base. Two chain pull sockets. Height 60 ins. Complete with 6 ft of silk covered cord and separable attachment plug ---------- $13 80

No. 4515—Shade only, round, taupe shirred silk top over rose lining and mull interlining, two tone ruching around top and bottom. Diam 18 ins . . 14 55

No. 1124-4515—Complete including base and shade . 28 35

Stock and base crated, shades in cartons; wt each 18 lbs.



WOOD JUNIOR

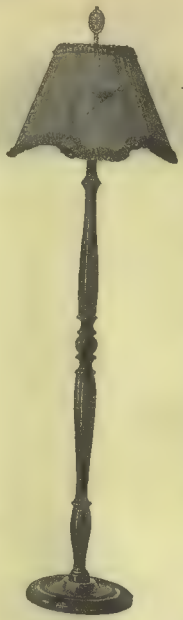
Each

No. 11—Base only, hardwood post and base, gold stippled polychrome finish. Two chain pull sockets. Height 62 ins. Complete with 6 ft of silk covered cord and separable attachment plug . $12 15

No. 103—Shade only, oblong, shirred black georgette top over orange charmeuse lining, gold point braid trimming top and bottom, 5 in. silk mull pleated skirt, 5 in. silk fringe. Length 21 ins; width 16 ins . . 14 10

No. 11-103 Complete including base and shade . 26 25

Stock and base crated; shade in cartons; wt each 18 lbs.



WOOD JUNIOR

Each

No. 1106M—Base only, hardwood, post and base, mahogany rubbed finish. Two chain pull sockets. Height 68 ins. Complete with 6 ft of cord and separable attachment plug. - - . $10 50

No. W300—Shade only, oblong, pleated rose georgette top trimmed with antique tinsel braid, two tone ruching around top and bottom, orange sateen lining, floral decorations - - - - 9 90

No. 1106M-W300 Complete including base and shade . 20 40

Stock and base crated, shades in cartons; wt each 15 lbs.

ELECTRIC PORTABLE LAMPS

NOTE—Prices do not include incandescent lamps.

WOOD BRIDGE

Each

No. B976JX—Base only, solid mahogany post, hand carved twisted flower effect with fancy scroll work, dull rubbed antique satin finish. One chain pull socket with silk cord with amber glass tear drops on the ends. Height 58 ins. Complete with 8 ft of silk covered cord and separable attachment plug.....$69 30

No. B1301—Shade only, octagonal; imported peach georgette top over peach lining and interlining, 2 in. light blue ruching and gold braid around top and bottom edges; diam 12 ins..... 28 05

No. B976JX-B1301—Complete including base and shade..... 97 35

Stock and base crated; shades in cartons; wt each 25 lbs.

WOOD BRIDGE

Each

No. B999—Base only, hardwood post in attractive turnings, with bandings of metal, base ebony finish with gold decorations. One chain pull socket. Height 57 ins. Complete with 8 ft of cord and separable attachment plug.....$36 75

No. B1319—Shade only, oval, taupe pleated georgette top over orange lining, old rose interlining, 2 in. black and gold ruching around top and bottom, floral decorations; length 14 ins. 24 75

No. B999-B1319—Complete including base and shade..... 61 50

Stock and base crated, shades in cartons; wt each 23 lbs.

WOOD BRIDGE

Each

No. B939JX—Base only, solid mahogany hand carved post, satin finish, antique toning. One chain pull socket with silk cord with amber glass tear drops on theend. Height 58 ins; complete with 8 ft of silk covered cord and separable attachment plug..$39 60

No. B1232—Shade only, oval pointed, taupe pleated georgette top in alternate panels with medallion ornament in center panel, orange lining, old rose interlining, wide ruching in center, 6 in. silk fringe; length 14 ins..... 26 25

No. B939JX-B1232—Complete including base and shade..... 65 85

Stock and base crated; shades in cartons; wt each 25 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WOOD BRIDGE

Each

No. B1440—Base only; hardwood fluted post and base; burnished gold and polychrome finish. One pull chain socket. Height 57 ins. Complete with 6 ft. of silk covered cord and separable attachment plug.....$19 35

No. B374—Shade only; oblong, green pleated georgette top over orange lining and interlining, black and gold braid around top and bottom, 6 in. silk and bullion fringe. Length 13 ins; with width 8½ ins..... 17 85

No. B1440-B374—Complete including base and shade..... 37 20

Stock and base crated, shades in cartons; wt each 17 lbs.

WOOD BRIDGE

Each

No. B1400—Base only, hardwood post and base, gold stippled and polychrome finish. One pull chain socket. Height 58 ins. Complete with 6 ft of silk covered cord and separable attachment plug.....$19 35

No. B373—Shade only, oblong, black pleated georgette over orange lining, black and gold braid around top and bottom, 5 in black and bullion fringe. Length 14 ins; width 10½ ins... 20 55

No. B1400-B373—Complete including base and shade..... 39 90

Stock and base crated, shades in cartons; wt each 16 lbs.

WOOD BRIDGE

Each

No. B1154—Base only, hardwood carved and decorated post, antique gold finish with ivory tonings; ornamental metal arm, antique gold finish. One chain pull swivel socket. Height 58 ins. Complete with 6 ft of silk covered cord and separable attachment plug.....$24 90

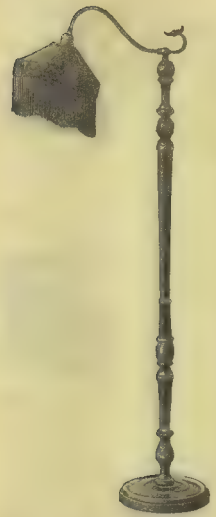
No. B5562—Shade only, round, pleated taupe georgette top over orange lining, mull interlining, two tone ruching around top and bottom, floral spray decoration. Diam 12 ins..... 15 30

No. B1154-B5562—Complete including base and shade..... 40 20

Stock and base crated; shades in cartons, wt each 15 lbs

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.



WOOD BRIDGE

Each

No. B1402—Base only, hardwood post and base, gold burnished finish. One chain pull socket. Height 58 ins. Complete with 6 feet of cord and separable attachment plug.....$15 75

No. B370—Base only, oblong, pleated blue georgette top, rose charmeuse lining, 2 in tinsel band trimmings, 6 in silk skirt, 5 in silk and bullion fringe. Length 12 ins.. 17 85

No. B1402-B370—Complete including base and shade..... 33 60

Stock and base crated, shades in cartons; wt each 16 lbs.

WOOD BRIDGE

Each

No. B195—Base only, hardwood fluted post and base, black and gold polychrome finish. One chain pull socket. Height 58 ins. Complete with 6 ft of silk covered cord and separable attachment plug.....$19 05

No. B259—Shade only, oblong, shirred taupe georgette top over rose charmeuse drum lining, 2 in tinsel band trimming, 6 in mull skirt, 6 in silk and bullion fringe. Length 14 ins, width 9 ins.. 10 95

No. B195-B259—Complete including base and shade..... 30 00

Stock and base crated, shades in cartons; wt each 18 lbs.

WOOD BRIDGE

Each

No. B1124—Base only, hardwood turned post, enameled polychrome finish, ivory, blue and rose, mounted on antique gold finish, scrolled metal base; ornamental antique gold finish metal arm. One pull chain, swivel socket. Height 58 ins. Complete with 6 ft of cord and separable attachment plug..... $12 30

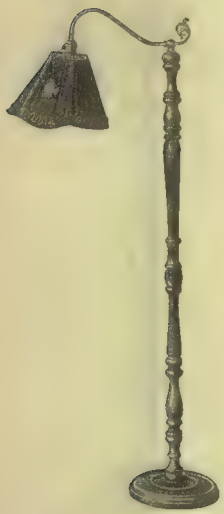
No. B5515—Shade only, round, pleated georgette top over orange lining, mull shirred interlining, two tone ruching around top and bottom, floral decoration. Diam 12 ins.. 10 50

No. B1124-B5515—Complete including base and shade..... 22 80

Stock and base crated, shades in cartons; wt each 15 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.



WOOD BRIDGE

	Each
No. B11—Base only, hardwood, base and post, stippled and burnished polychrome finish. One chain pull socket. Height 58 ins. Complete with 6 ft of cord and separable attachment plug	$12 15
No. B158—Shade only, round, pleated black georgette top over orange charmeuse lining, wide point black and gold braid trimming, velvet bands and floral decoration. Diam 12 ins	6 60
No. B11-B158—Complete including base and shade	18 75

Stock and base crated; shades in cartons; wt each 16 lbs.

WOOD BRIDGE

Hardwood post and base, gold stippled finish. One key socket. Height 57 inches. Complete with 6 feet of cord and separable attachment plug.

	Each
No. B1106-KSG—Base only	$ 9 30
No. B1101-12B—Shade only, round, rose sateen top over rose lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSG-B1101-12B—Complete including base and shade	13 20
No. B1101-12B—Shade only, round, blue sateen top over blue lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSG-B1101-12B—Complete including base and shade	13 20
No. B1101-12G—Shade only, round, green sateen top over green lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSG-B1101-12G—Complete including base and shade	13 20

Stock and base crated, shades in cartons; wt each 15 lbs.

WOOD BRIDGE

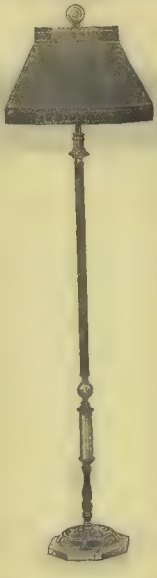
Hardwood post and base, mahogany rubbed finish. One key socket. Height 57 inches. Complete with 6 feet of cord and separable attachment plug.

	Each
No. B1106KSM—Base only	$9 30
No. B1101-12B—Shade only, round, old rose sateen top over rose lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSM-B1101-12B—Complete including base and shade	13 20
No. B1101-12B—Shade only, round blue sateen top over blue lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSM-B1101-12B—Complete including base and shade	13 20
No. B1101-12G—Shade only, round, green sateen top over green lining, two tone braid around top and bottom, floral spray decoration. Diam 12 ins	3 90
No. B1106KSM-B1101-12G—Complete including base and shade	13 20

Stock and base crated, shades in cartons; wt each 14 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.



WROUGHT IRON JUNIOR

Each

No. 2467—Base only, wrought iron twisted effect post, topped with an ornamental ship fineal, ornamental base, brown gold plated finish. Two chain pull sockets. Height 60 ins. Complete with 6 ft of cord and separable attachment plug..$36 15

No. 4807—Shade only, round, pleated taupe georgette top over orange lining, two tone braid around top and bottom; length 18 ins..... 30 15

No. 2467-4607—Complete including base and shade..... 66 30

Stock and base crated, shades in carton; wt each 20 lbs.

WROUGHT IRON JUNIOR

Each

No. 2736—Base only, ornamental square tubing post with genuine onyx shaft and ball mounting, green gold plated finish, mounted on onyx base. Two chain pull sockets. Height 60 ins; complete with 6 ft of cord and separable attachment plug..$95 25

No. 4702—Shade only, oblong, green pleated georgette top over gold lining, taffeta drum lining; length 18 ins..... 55 50

No. 2736-4702—Complete including base and shade..... 150 75

Stock and base crated; shades in cartons; wt each 24 lbs.

WROUGHT IRON JUNIOR

Each

No. 2564—Base only, wrought iron twisted effect post, topped with an ornamental ship fineal, brown gold plate finish mounted on genuine onyx base. Two chain pull sockets. Height 60 ins. Complete with 6 ft of silk covered cord and separable attachment plug..... $55 50

No. 4618—Shade only, round, pleated sand georgette top over orange lining, gold tinsel braid and tan around top and bottom, floral spray decoration. Diam 18 ins..... 30 15

No. 2564-4681—Complete including base and shade..... 85 65

Stock and base crated; shades in cartons; wt each 32 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WROUGHT IRON JUNIOR

Each

No. 2516—Base only, wrought iron post with open scroll filigree center and ornamental base, green gold plate finish. Inlay cameo decoration. Two pull chain sockets. Height 60 ins. Complete with 6 ft of cord and separable attachment plug..... $45 90

No. 4657—Shade only, round pleated grey georgette top over rose lining, drum silk lined taffeta. Gold lace and colored hand made ruffles around top and bottom, Floral spray decoration. Diam 18 ins..... 38 85

No. 2516-4657—Complete including base and shade..... 84 75

Stock and base crated; shades in cartons; wt each 20 lbs.

METAL JUNIOR

Each

No. 2032J—Base only, wrought iron etched post and fancy flower design base, dark antique gold polychrome finish. Two chain pull sockets with silk cords attached. Height 62 ins. Complete with 8 ft of cord and separable attachment plug..... $26 85

No. 3319—Shade only, oval, pleated taupe georgette top with alternated panels of georgette with embroidered flower decorations, two tone ruching around top, gold braid around edge; 6 in. silk fringe; diam 24 ins..... 32 25

No. 2032J-3319—Complete including base and shade..... 69 10

Stock and base crated, shades in carton; wt each 27 lbs

WROUGHT IRON JUNIOR

Each

No. 233—Base only, wrought iron post and base with fancy shaped decorations, gold polychrome finish. Two chain pull sockets. Height 62 ins. Complete with 6 ft of silk covered cord and separable attachment plug..... $21 75

No. 320—Shade only, oblong, pleated green georgette top over rose charmeuse lining, fancy black and gold braid ornament in center, triple tone ruching around top and bottom. Length 20 ins; width 13 ins..... 50 70

No. 233-320—Complete including base and shade..... 72 45

Stock and base crated, shades in cartons; wt each 22 lbs.

ELECTRIC PORTABLE LAMPS

Note—Prices do not include incandescent lamps.

WROUGHT IRON JUNIOR

Each

No. 239—Base only; wrought iron posts, strap iron tri-pod base, antique gold polychrome finish. Two chain pull sockets. Complete with 6 ft of cord and separable attachment plug. Height over all 62 ins.....$32 25

No. 1-251-A18—Shade only, heavy parchment, outside antique brown and old rose finish with dutch scenes, inside old rose finish, black velvet around top and bottom. Diam bottom 18 ins..... 16 20

No. 239-1-251-A18 Complete including base and shade ... 48 45

Stock and base crated; shades in cartons; wt each 18 lbs.

WROUGHT IRON JUNIOR

Each

No. 239—Base only, wrought iron posts, strap iron tri pod base, antique gold polychrome finish. Two chain pull sockets. Complete with 6 ft of cord and separable attachment plug. Height over all 62 ins..... $32 25

No. 1-151-A18—Shade only, round, heavy parchment, outside antique brown and old rose finish with dutch scenes, inside old rose, two tone ruching around top and bottom; diam 18 ins..... 10 65

No. 239-1-151-A18—Complete including base and shade . 42 90

Stock and base crated, shades in cartons; wt each 18 lbs.

WROUGHT IRON JUNIOR

Each

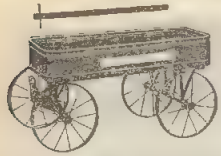
No. 2455—Base only, wrought iron twisted effect post, antique gold polychrome finish, mounted on 10 in. marble base. Two chain pull sockets. Height 62 ins. Complete with 6 ft of cord and separable attachment plug $33 30

No. 5517—Shade only, oblong, taupe pleated georgette top over rose lining, blue and gold around top and bottom, floral decorations. Length 18 ins, width 13 ins..... 9 75

No. 2455-5517 -Complete including base and shade . 43 05

Stock and base crated, shades in carton; wt each 23 lbs

Steel Express Wagons



STEEL TIRES

Construction. Sheet Steel Body, beaded. Kiln dried wood bottoms, with cross cleats. Steel gears and wire wheels, sizes and weights in proportion to dimensions of box sizes.

Finish. Body painted Bright Red Outside, Enamel green inside. Stenciled in gold. Gears and wheels, black enamel. Handles, natural hardwood.

No.	Body	Diam. Wheels Front and Rear	Weight Per Dozen	Each
602	8 x 18 Ins.	6 Ins.	62 lbs.	
603	10 x 22 Ins.	8 Ins.	81 lbs.	
604	12 x 26 Ins.	10 Ins.	150 lbs.	
605	14 x 30 Ins.	11 Ins.	183 lbs.	
606	15 x 32 Ins.	12 Ins.	226 lbs.	

No. 118 one third, balance one sixth dozen in a sealed carton

NEW 20TH CENTURY JUNIOR WOOD COASTER WAGON

Body is of Well Seasoned Second Growth White Ash. Box Mortised, Glued and Nailed. Steel Bolster. Furniture is Natural Grain Fitted and Varnished with Special Wear-resisting Composition. Axles Oil Tempered. Wheels are Finished in Red Enamel and Have ½ Inch Rubber Tires.

Nos.	Body, Ins.	Wheel, Ins.	Wt. Per Carton Lbs.	Each
420	10x20	5½	18	
424	11x24	7	20	

Sixth dozen in a carton.

TWO USEFUL WAGONS FOR THE BOY

FARM WAGON

Exact Miniature of Large Farm Wagons. Entire Body Can be Lifted Off Running Gear. Finished in Attractive Bright Colors with Durable, Protective, Weather Resisting Varnish. Axles are ⅝ Inch Tough Steel. Wagon is 36 Inches Long and 18 Inches Wide.

Each

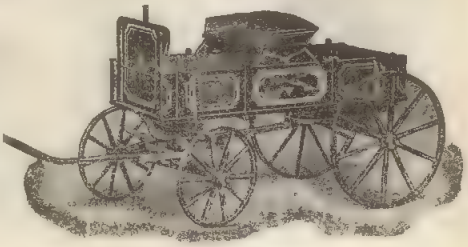
†No. 12 .

†Shafts Instead of Team Poles Can be Supplied at an extra cost of .

One in a crate knocked down; weight 60 lbs.

† For shipment from factory only, F.O.B. Sheboygan, Wisc.

Freight allowance not exceeding 50c per cwt.



CITY DELIVERY WAGONS

Fully Equipped with Steel-Back Drivers Seat, Dash-Board and Side Racks. All These Parts are Easily Removed to Convert this Service Truck into a Coaster Wagon. Made of Selected Hardwood, Painted Red. Body Stenciled City Delivery. Heavy Steel One-Piece Hounds. Axle is ⅝ Inch Cold Roll Steel with No Rivet Holes. Extra Heavy Body Brace. Wheels are 10 Inch Double Disc Roller Bearing with ¾ Inch Rubber Tires.

Each

†No. 144.

One in a carton knocked down; weight 42 lbs.

† For shipment from factory only. F.O.B. Sheboygan, Wisc.

Freight allowance not exceeding 50c per cwt.

Special Values in Premium Dolls

25-inch doll. This beautiful doll has crying voice, [illegible] eyes, [illegible] mohair wig that comes in different shades, open mouth shows two pearly white teeth. Features are [illegible] jointed legs are loosely jointed at hips for walking. Head, hands and legs are made of composition. Body is stuffed with excelsior. Organdie dress made in assorted colors, trimmed with lace and silk ribbon bows. Bonnet harmonizes with dress. Rayon socks and shoes of imitation leather button style. Packed in box.

No. 26N36. Per dozen $27.00
Each 2.50

28-inch doll. Rayon lace trimmed organdie dress with silk ribbon bow and bonnet to match as illustrated. Rayon socks and imitation patent leather slippers, button style. Composition head, fully painted features, moving eyes, mohair wig and lashes. Full composition hands, jointed at shoulder. Legs are also made of composition. Excelsior stuffed body, crying voice, legs are loosely jointed at hips for walking. An excellent value. Packed with in box.

No. 26N42.
Per dozen ..... [illegible]
Each 2.75

22-inch doll. We want to call this doll to your special attention as it is an outstanding value that you can sell for twice what it costs you or as a premium item gives you a big flash for little [illegible] Composition head [illegible] jointed features give it a most human expression. Movable eyes, French mohair wig with silk ribbon and 2 bows. [illegible] are jointed at hips for walking. Fully dressed in [illegible] Packed in box.

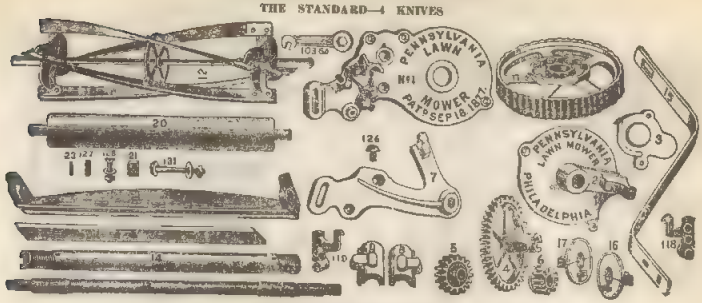
No. 26N12. Per dozen ..... [illegible] Each 2.50

[illegible] doll. Composition head [illegible] wig that [illegible] of the cloth [illegible] Dress trimmed with lace. Composition hands [illegible] Bonnet to match. Per dozen [illegible] white [illegible] [illegible] durable [illegible] [illegible] [illegible] Full [illegible] [illegible] [illegible]

LAWN MOWER PARTS

PENNSYLVANIA LOW WHEEL

THE STANDARD—4 KNIVES



Sizes 12, 14, 16 and 18 Inches

(12 and 18 Inch were Discontinued in 1925, but Parts can be Furnished)

DIRECTIONS FOR ORDERING

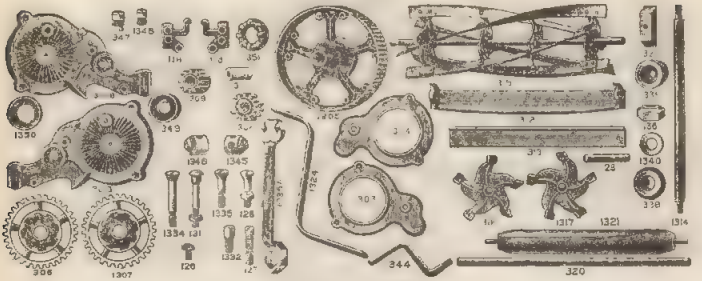
The right or left side of a lawn mower is determined by standing in back of the machine as when in use. Give number, with description of parts. Where possible the number is cast on the part otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

No.	Article	Shipping Weight	Each
1	Inside Left Hand Side Plate	3½ pounds	$2.00
2 & 52	Outside Left Hand Side Plate	1½ pounds	1.10
3	Shield Left Hand Side Plate	8 ounces	.40
4X	Master Gear, ⅜ Hole	1½ pound	1.20
5	Intermediate Gear ⅜ Hole, 20 Cogs	7 ounces	.50
6	Pinion, ⅜ Hole, 12 Cogs	4 ounces	.50
7	Right Hand Side Plate	2½ pounds	1.60
8	Right Hand Cylinder Cap	4 ounces	.50
8	Left Hand Cylinder Cap	4 ounces	.50
10	Cast Back for Stationary Knife, 10 in.	2 pounds	1.60
	Cast Back for Stationary Knife, 12 in.	2½ pounds	1.70
	Cast Back for Stationary Knife, 14 in.	2½ pounds	.80
	Cast Back for Stationary Knife, 16 in.	3½ pounds	.90
	Cast Back for Stationary Knife, 18 in.	3½ pounds	2.00
11	Driving Wheel, Right Hand ⅜	3 pounds	2.00
11½	Driving Wheel, Left Hand ⅜	3½ pounds	2.00
12	Cylinder, complete, 8 Knives, 10 in.	3½ pounds	4.00
	Cylinder, complete 4 Knives, 12 in.	4½ pounds	5.00
	Cylinder complete 4 Knives, 14 in.	5½ pounds	6.00
	Cylinder complete 4 Knives, 16 in.	5½ pounds	7.00
	Cylinder, complete 4 Knives, 18 in.	6½ pounds	8.00
13	Shaft for Frame, 10 in.	2 pounds	1.00
	Shaft for frame, 12 in.	2½ pounds	1.20
	Shaft for frame, 14 in.	2½ pounds	1.40
	Shaft for frame, 16 in.	2½ pounds	1.80
	Shaft for Frame, 18 in.	3 pounds	1.80
14	Driving Tube, 10 in.	14 ounces	1.10
	Driving Tube, 12 in.	1 pound	1.20
	Driving Tube, 14 in.	1½ pounds	1.30
	Driving Tube, 16 in.	1½ pound	1.40
	Driving Tube, 18 in.	1½ pound	1.50
15	Handle Brace, both alike, each 10 in.	1 pound	.30
	Handle Brace, both alike, each, 12 in.	1½ pound	.36
	Handle Brace, both alike, each 14 in.	1½ pound	.45
	Handle Brace, both alike each 16 in.	1½ pound	.55
	Handle Brace, both alike, each, 18 in.	1½ pound	.65
16	Left Hand Pawl Holder	½ pound	.70
17	Right Hand Pawl Holder	½ pound	.70
118	Left Hand Roller Bracket	7 ounces	.30
119	Right Hand Roller Bracket	7 ounces	.30
20	Wood Roller, 10 in.	10 lbs.	1 pound	$ .70
	Wood Roller 12 in.	12 lbs.	1½ pound	.80
	Wood Roller 14 in.	14 lbs.	1½ pound	.90
	Wood Roller 16 in.	16 lbs.	1½ pound	1.00
	Wood Roller, 18 in.	18 lbs.	2 pounds	1.10
121	Steel Pawl		1 ounce	.10
	Steel Roller Bracket ⅜ x ⅞		1 ounce	.05
123&A	Wrench		6 ounces	.40
25	Steel Stationary Plate 10 in.		8 ounces	.80
	Steel Stationary Blade 12 in.		10 ounces	.90
	Steel Stationary Blade 14 in.		12 ounces	1.00
	Steel Stationary Blade 16 in.		14 ounces	1.10
	Steel Stationary Blade 18 in.		16 ounces	1.20
126	Machine Screw ¼ x ½ Round Head		1 ounce	.05
127	Set Screw for Stationary Plate ⅜ x 1½		1 ounce	.05
1030	Screw for Cyl. Cap ¼ x ¾		1 ounce	.05
128	Bolt for Gear Box and Stationary Knife, ¼ x 1¼ F H		1 ounce	.05
130	Bolt for Gear Box and Stationary Knife, ¼ x 1¼ F H		1 ounce	.05
131	Bolt for Wood Handle, ⅜ x 2¾ Cee.		2 ounces	.05
133	Wood Handle, with Steel Clip		31 pounds	1.50
134	Sharpening Crank		5 ounces	.20
35	Spiral Blade for Cylinder 10 in.		8 ounces	.60
	Spiral Blade for Cylinder, 12 in.		10 ounces	.70
	Spiral Blade for Cylinder 14 in.		12 ounces	.80
	Spiral Blade for Cylinder 16 in.		14 ounces	.90
	Spiral Blade for Cylinder 18 in.		16 ounces	1.00
136	Nut for End of Shaft, Hexagon		1 ounce	.05
137	Roller Pins, each		2 ounces	.15
38	Cylinder Rings, each		5 ounces	.40
39	Cylinder Lugs, each (state if Right or Left Hand)		1½ pound	1.80
141	Set Screws for Pawl Holder ⅜ x ¾		1 ounce	.05
1333	Revolving Cylinder Blade 1¾ x ⅞		1 ounce	.05
147	Steel Protector L. H. Side Plate No. 2		1 ounce	.05
148	Handle Clip, for Steel Shaft		7 ounces	.20
149	Bolt for Handle Clamps ¼ x 1		1 ounce	.05
1332	Set Screw for Cyl. Hd ¼ x ½ Sq. Head		1 ounce	.05

LAWN MOWER PARTS

PENNSYLVANIA JUNIOR BALL BEARING HIGH WHEEL

FIVE KNIVES



15, 17, 19 and 21 Inches

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

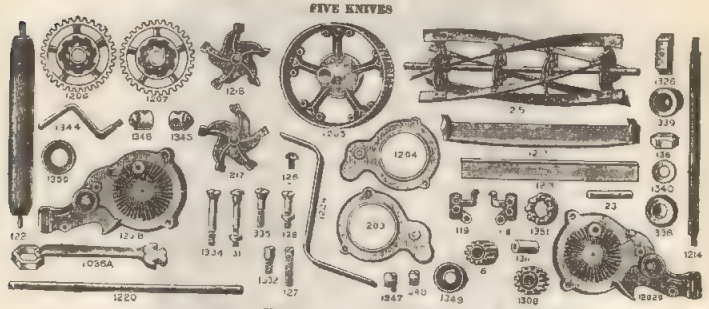
No.	Article	Shipping Weight	Each
B1301	Left Hand Side Plate, with cup	4½ pounds	$3.50
B1302	Right Hand Side Plate, with cup	4½ pounds	3.50
1303	Left Hand Shield	1½ pound	1.50
1304	Right Hand Shield	1½ pound	1.50
1305	Driving Wheels, both alike each	4½ pounds	2.50
1306	Left Hand Master Gear, 1¼ Hole	2 pounds	1 40
1307	Right Hand Master Gear 1¼ Hole	2 pounds	1 40
1308	Intermediate Gear, both alike, ⅜ Hole, 20 cogs, each	4 ounces	.50
1309	Pinion, both alike, ⅜ Hole, 13 cogs, each	4 ounces	.50
1311	Bushing for Intermediate Gear, each	2 ounces	.40
1312	Cast Back for Stationary Knife, 15 in.	5 pounds	1 7
	Cast Back for Stationary Knife, 17 in.	3½ pounds	2.00
	Cast Back for Stationary Knife, 19 in.	4 pounds	2.25
	Cast Back for Stationary Knife, 21 in.	4½ pounds	2.50
1313	Steel Stationary Blade, 15 in	12 ounces	1.25
	Steel Stationary Blade, 17 in	1 pound	1.35
	Steel Stationary Blade, 19 in	1½ pound	1.50
	Steel Stationary Blade, 21 in.	1½ pound	1 70
1314	Shaft for Frame, 15 in. (14⅞ in.)	2 pounds	.90
	Shaft for Frame 17 in (16⅞ in.)	2½ pounds	1 00
	Shaft for Frame 19 in (18⅞ in.)	2½ pounds	1 10
	Shaft for Frame 21 in (20⅞ in.)	2½ pounds	1 20
1315	Cylinder, complete 5 Knives, 15 in.	7½ pounds	8 00
	Cylinder, complete, 5 Knives, 17 in	8½ pounds	9 00
	Cylinder, complete, 5 Knives, 19 in	9 pounds	10 00
	Cylinder, complete 5 Knives, 21 in	9½ pounds	11 00
1316	Left Hand Cylinder Head	1 pound	2.00
1317	Right Hand Cylinder Head	1 pound	2.00
1318	Ring for Cylinder	7 ounces	.90
1319	Spiral Knife for Cylinder, 15 in.	12 ounces	1.00
	Spiral Knife for Cylinder, 17 in	14 ounces	1.10
	Spiral Knife for Cylinder, 19 in	1 pound	1 20
	Spiral Knife for Cylinder, 21 in.	1½ pound	1.30
1320	Shaft for Cylinder, 15 in (17⅛ in.)	1½ pound	.80
	Shaft for Cylinder, 17 in (19⅛ in.)	1½ pound	70
	Shaft for Cylinder, 19 in (21⅛ in.)	2 pounds	80
	Shaft for Cylinder, 21 in (23⅛ in.)	2½ pounds	90
1321	Wood Roller, 15 in (13⅛ in.)	1½ pound	.90
	Wood Roller, 17 in (15⅛ in.)	1½ pound	1.00
	Wood Roller, 19 in. (17⅛ in.)	1½ pound	1.10
	Wood Roller, 21 in (19⅛ in.)	2 pounds	1.20

No.	Article	Shipping Weight	Each
118	Left Hand Roller Bracket	7 ounces	$ .30
119	Right Hand Roller Bracket	7 ounces	30
1324	Handle Brace, 15 in., each	1½ pound	50
	Handle Brace, 17 in., each	1½ pound	60
	Handle Brace, 19 in., each	1½ pound	70
	Handle Brace, 21 in., each	1½ pound	80
1325	Wood Handle with Steel Clamps	3½ pounds	1 50
1326	Steel Pawl	1 ounce	.10
23	Steel Pin for Pinion, ⅜ x ⅜	1 ounce	05
1332	Set Screw for Fastening Cylinder Head to Shaft, square head, ⅛ x ⅜	1 ounce	.05
126	Machine Screw for Stationary Knife Round Head, ¼ x ½	1 ounce	05
127	Set Screw for Adjusting Cast Back, 5/32 x 1½	1 ounce	.05
1334	Machine Screw for Wheel Bearing, ¼ x 3½, Flat Head	2 ounces	.10
1335	Bolt for Cast Back, and Bushing on Intermediate Gear, ¼ x 1¼ F. H.	1 ounce	.05
128	Bolt for Roller Bracket and Gear Box, ¼ x 1¼ F.H.	1 ounce	05
131	Bolt for Handle Brace, ¼ x 2¼	1 ounce	05
1338	Washer for Wheel Bearing, Rd Hole	1 ounce	.05
1339	Washer for Cast Back	1 ounce	05
1340	Washer for Roller Bracket and Wood Handle, ¼ x	1 ounce	.05
136	Nut for End of Frame Shaft, Hexagon	1 ounce	05
1036A	Wrench	4 ounces	40
1344	Sharpening Crank	4 ounces	.20
1345	Left Hand Cone	4 ounces	.60
1346	Right Hand Cone	4 ounces	.60
1347	Eccentric Screw for Adjusting Cone, ⅜ x ⅝	1 ounce	.20
1348	Set Screw for Cone, both alike, each, ⅜ x ⅜	1 ounce	.10
1349	Ball Cup (without balls)	2 ounces	.40
1350	Dust Cap for Ball Cup	1 ounce	.20
1351	One Set Ball with Retainer	2 ounces	40
137	Roller Pins	2 ounces	15
1353	Rivets for Cylinder Knives, 12 x ⅛	1 ounce	.05
145	Handle Clamps, Steel, each	7 ounces	.20
140	Bolt for Handle Clamps, ¼ x ¾	1 ounce	.05

LAWN MOWER PARTS

PENNSYLVANIA JUNIOR BALL BEARING LOW WHEEL

FIVE KNIVES



Sizes 12, 14, 16 and 18 Inches

DIRECTIONS FOR ORDERING

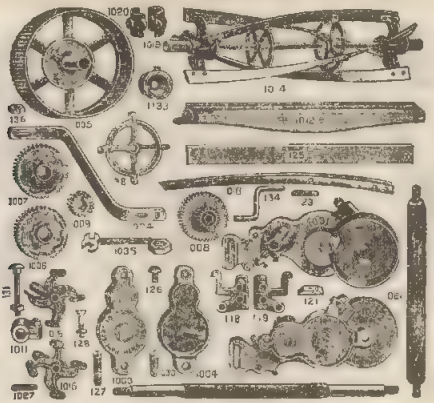
The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number, with description of parts. Where possible the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached

No.	Article	Shipping Weight	Each
B1201	Left Hand Side Plate, with Cup	4 pounds	$3 00
B1202	Right Hand Side Plate, with Cup	4 pounds	3 00
1203	Left Hand Shield	1¼ pound	1 25
1204	Right Hand Shield	1¼ pound	1 25
1205	Driving Wheel, both alike each	3½ pounds	2 00
1206	Left Hand Master Gear, 1¼ Hole	1½ pound	1 20
1207	Right Hand Master Gear, 1¼ Hole	1½ pound	1 20
1308	Intermediate Gear both alike 1 hole 20 cogs, each	4 ounces	50
6	Pinion both alike 1 hole 12 Cogs each	3 ounces	50
1311	Bushing for Intermediate Gear each	2 ounces	40
1212	Cast Back for Stationary Knife 12 in	2½ pounds	1 40
	Cast Back for Stationary Knife, 14 in	2½ pounds	1 60
	Cast Back for Stationary Knife, 16 in	3 pounds	1 80
	Cast Back for Stationary Knife, 18 in	3½ pounds	2 00
1213	Steel Stationary Blade, 12 in	¾ pound	1 00
	Steel Stationary Blade, 14 in	1 pound	1 20
	Steel Stationary Blade, 16 in	1 pound	1 30
	Steel Stationary Blade, 18 in	1 pound	1 40
1214	Shaft for Frame, 12 in (11¼ in.)	1½ pound	70
	Shaft for Frame, 14 in (13½ in.)	1½ pound	80
	Shaft for Frame, 16 in (15½ in.)	2 pounds	90
	Shaft for Frame, 18 in (17½ in.)	2½ pounds	1.00
1215	Cylinder, complete, 5 Knives, 12 in	6½ pounds	7.00
	Cylinder, complete, 5 Knives, 14 in	6½ pounds	8.00
	Cylinder, complete, 5 Knives, 16 in	7½ pounds	9.00
	Cylinder complete, 5 Knives, 18 in	8½ pounds	10.00
1216	Left Hand Cylinder Head	2 pounds	2.00
1217	Right Hand Cylinder Head	2 pounds	2.00
1218	Ring for Cylinder	7 ounces	.80
1219	Spiral Knife for Cylinder, 12 in	10 ounces	.80
	Spiral Knife for Cylinder, 14 in	12 ounces	.90
	Spiral Knife for Cylinder, 16 in	14 ounces	1 00
	Spiral Knife for Cylinder, 18 in	1 pound	1 10
1220	Shaft for Cylinder 12 in (14⅝ in.)	1½ pound	40
	Shaft for Cylinder 14 in (16⅝ in.)	1½ pound	50
	Shaft for Cylinder 16 in (18⅝ in.)	1½ pound	60
	Shaft for Cylinder 18 in (20⅝ in.)	2 pounds	70
1221	Wood Roller, 12 in (10¼ in.)	1 pound	80
	Wood Roller 14 in (12¼ in.)	1¼ pound	90
	Wood Roller, 16 in (14¼ in.)	1¼ pound	1.00
	Wood Roller, 18 in. (16¼ in.)	1½ pound	1.10

No.	Article	Shipping Weight	Each
118	Left Hand Roller Bracket	7 ounces	$ .30
119	Right Hand Roller Bracket	7 ounces	.30
1323	Wood Handle with Steel Clamps	3½ pounds	1.50
1324	Handle Brace, 12 in	1 pound	.35
	Handle Brace, 14 in	1½ pound	.45
	Handle Brace 16 in	1½ pound	.55
	Handle Brace, 18 in	1½ pound	.65
1336	Steel Pawl	1 ounce	.10
23	Steel Pin for Pinion, ¼ x ¾	1 ounce	.05
1232	Set Screw for Fastening Cylinder Head to Shaft (square head), ⅜ x ⅝	1 ounce	05
126	Machine Screw for Stationary Knife Blade Round Head, ¼ x ⅝	1 ounce	05
127	Set Screw for Adjusting Cast Back ¼ x ⅛	1 ounce	05
1334	Machine Screw for Wheel Bearing, ¼ x ⅝, Flat Head	2 ounces	.05
1335	Bolt for Cast Back and Bushing on Intermediate Gear ¼ x 1¼ F H	1 ounce	05
128	Bolt for Roller Bracket and Gear Box, ¼ x 1¼ F H	1 ounce	05
131	Bolt for Handle Brace, ¼ x 2½	1 ounce	.05
1338	Washer for Wheel Bearing, Rd Hole	1 ounce	.05
1339	Washer for Cast Back	1 ounce	05
1340	Washer for Roller Bracket and Wood Handle	1 ounce	05
136	Nut end of Frame Shaft, Hexagon	1 ounce	05
1036A	Wheel	4 ounces	.40
1344	Sharpening Crank	4 ounces	.20
1345	Left Hand Cone	4 ounces	.60
1346	Right Hand Cone	4 ounces	.60
1347	Adjusting Screw for Left Hand Cone, ⅜ x ⅞	1 ounce	.20
1348	Set Screw for Cones, both alike, each ⅜ x ½	1 ounce	.10
1349	Ball Cup without balls)	2 ounces	.40
1350	Dust Cup for Ball Cup	1 ounce	.20
1351	One Set Balls with Retainer	2 ounces	.40
137	Roller Pins	1 ounce	.15
1353	Rivets for Cylinder Knives, ⅞ x ⅝	1 ounce	.05
145	Handle Clamps, each	7 ounces	.20
146	Bolt for Handle Clamps ⅜ x 1	1 ounce	06

LAWN MOWER PARTS

CONTINENTAL HIGH WHEEL—4 KNIVES



Sizes, 15, 17, 19 and 21 Inches

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.
Give number with description of parts. Where possible the number is cast on the part, otherwise refer to the illustrations.
Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached

No.	Article	Shipping Weight	Each
1001	Left Hand Side Plate	4½ pounds	$3 00
1002	Right Hand Side Plate	4½ pounds	3.00
1003	Left Hand Shield	1½ pound	1 25
1004	Right Hand Shield	1½ pound	1.25
1005	Driving Wheels both alike, each	9 pounds	2 50
1006	Left Hand Ratchet Gear, 1¼ Hole	1½ pound	80
1007	Right Hand Ratchet Gear, 1¼ Hole	1½ pound	80
1008	Double Gears, ½ Hole, both alike each	1½ pound	80
1009	Pinion, ½ Hole, 17 cogs, both alike	7 ounces	60
1010	Shaft, for frame, 17 in (19¼ in.	2½ pounds	1 20
	Shaft, for frame, 17 in (2 ½ in)	3½ pounds	1 40
	Shaft, for frame, 19 in (2½ in)	3½ pounds	1 40
	Shaft for frame, 21 in (23¼ in.	3½ pounds	1 80
1011	Collar on Shaft	7 ounces	40
1012	Cast Back for Stationary Knife, 15 in	3½ pounds	1 75
	Cast Back for Stationary Knife, 17 in	3½ pounds	2 00
	Cast Back for Stationary Knife, 19 in	4½ pounds	2 25
	Cast Back for Stationary Knife, 21 in.	5½ pounds	2 50
125	Steel Stationary Blade, 15 in	12 ounces	1 10
	Steel Stationary Blade, 17 in	14 ounces	1 20
	Steel Stationary Blade, 19 in	1 pound	1 30
	Steel Stationary Blade, 21 in.	1¼ pound	1 50
1014	Cyander, complete, 15 in	6½ pounds	7 00
	Cylinder, complete, 17 in.	7½ pounds	8 00
	Cylinder, complete, 19 in.	8½ pounds	9 00
	Cylinder, complete, 21 in.	9½ pounds	10.00
139	Cylinder Head, both alike (formerly 1015 left and 1016 right)	1½ pound	2.00
138	Cylinder Rings, each	8 ounces	1.00
1018	Spiral Knives, each, 15 in.	12 ounces	1.00
	Spiral Knives, each, 17 in.	14 ounces	1.10
	Spiral Knives, each, 19 in.	1 pound	1.20

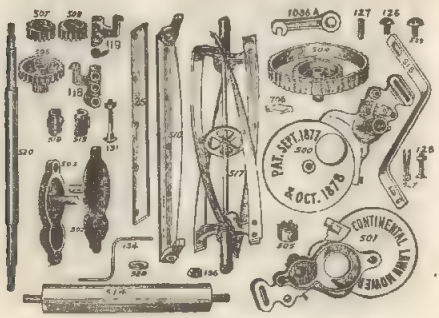
No.	Article	Shipping Weight	Each
1018	Spiral Knives, each, 21 in.	1¼ pound	$1.30
1019	Left Hand Cylinder Cap	4 ounces	.50
1020	Right Hand Cylinder Cap	4 ounces	.50
1021	Wood Roller 15 in (14½ in.)	1½ pound	90
	Wood Roller 17 in (16½ in.)	1½ pound	1.00
	Wood Roller, 19 in (18½ in.)	1½ pound	1.10
	Wood Roller, 21 in (20½ in.)	2 pounds	1.20
118	Left Hand Roller Bracket	7 ounces	.30
119	Right Hand Roller Bracket	7 ounces	.30
1024	Handle Braces, 15 in	1½ pound	.50
	Handle Braces, 17 in	1½ pound	.60
	Handle Braces, 19 in	1½ pound	.70
	Handle Braces, 21 in	1½ pound	.80
1025	Wood Handle, with Steel Clamp	3½ pounds	1.50
121	Steel Pawl	1 ounce	.10
123	Steel Pin for Pinion	1 ounce	.05
126	Machine Screw for Stationary Knife, ¼ x ⅝, Round Head	1 ounce	
127	Set Screw for Stationary Knife, ¼ x 1½	1 ounce	.05
1030	Set Screw for Cylinder Cap, ¼ x ⅝	1 ounce	.05
128	Bolt for Roller Bracket, Sta. Knife Shield and Split Collar, ½ x 1¼	1 ounce	.05
131	Bolt for Handle, ½ x 2½	1 ounce	.05
136	Nut for end of Shaft, Hexagon	1 ounce	.05
124	Sharpening Crank	5 ounces	.20
1038A	Wrench	6 ounces	.45
1133	Washer for Cast Back, ½ Hole	1 ounce	.05
137	Roller Pins	2 ounces	.15
1353	Rivets for Cylinder Knives, ¼ x ⅝	1 ounce	
146	Handle Clamps, each	7 ounces	
147	Bolt for Handle Clamps, ½ x ½	1 ounce	

GENERAL CATALOG

LAWN MOWER PARTS

CONTINENTAL LOW WHEEL

FOUR KNIVES



Sizes, 12, 14, 16 and 18 Inches
(All Sizes Discontinued in 1919, but Parts can be Furnished)

DIRECTIONS FOR ORDERING

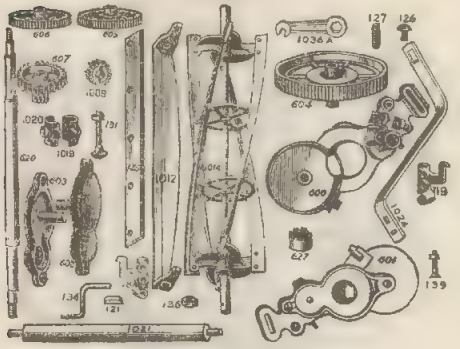
The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.
Give number, with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations.
Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

No.	Article	Shipping Weight	Each
500	Left Hand Side Plate	4 pounds	$3.00
501	Right Hand Side Plate	4 pounds	3.00
502	Left Hand Shield	1¼ pound	.80
503	Right Hand Shield	1¼ pound	.80
504	Driving Wheel, both alike, each	3½ pounds	2.00
505	Collar on Shaft	2 ounces	.20
506	Intermediate Double Gear, ½ Hole	1 pound	.80
507	Right Hand Pinion, ½ Hole, 17 Cogs	8 ounces	.50
508	Left Hand Pinion, ½ Hole, 17 Cogs	8 ounces	.40
700	Steel Pawl	1 ounce	.10
510	Cast Back for Stationary Knife, 12 in.	2½ pounds	1.70
	Cast Back for Stationary Knife, 14 in.	2¾ pounds	1.80
	Cast Back for Stationary Knife, 16 in.	2½ pounds	1.90
	Cast Back for Stationary Knife, 18 in.	3¼ pounds	2.00
25	Steel Stationary Blade 12 in.	10 ounces	.90
	Steel Stationary Blade 14 in.	12 ounces	1.00
	Steel Stationary Blade 16 in.	14 ounces	1.10
	Steel Stationary Blade, each	1 pound	1.20
118	Right Hand Roller Bracket	7 ounces	.30
119	Left Hand Roller Bracket	7 ounces	.30
514	Wood Roller, 12 in. (11 in.)	1¼ pound	.80
	Wood Roller, 14 in. (13 in.)	1¼ pound	.90
	Wood Roller, 16 in. (15 in.)	1¾ pound	1.00
	Wood Roller, 18 in. (17 in.)	1¾ pound	1.10
515	Handle Brace, each, 12 in.	1 pound	.35
	Handle Brace, each, 14 in.	1¼ pound	.45
	Handle Brace, each, 16 in.	1¼ pound	.55
	Handle Brace, each, 18 in.	1¼ pound	.65
1075	Wood Handle with Steel Clamp	3 pounds	1.50
517	Cylinder, complete, 3 Knives, 12 in.	4½ pounds	6.00
	Cylinder, complete, 4 Knives, 14 in.	5½ pounds	7.00
	Cylinder, complete, 4 Knives, 16 in.	5¾ pounds	8.00
517	Cylinder, complete, 4 Knives, 18 in.	6¾ pounds	$9.00
518	Right Hand Cylinder Cap	4 ounces	.50
519	Left Hand Cylinder Cap	4 ounces	.50
520	Shaft for Frame, 12 in. (14½ in.)	2½ pounds	1.00
	Shaft for Frame, 14 in. (16½ in.)	2½ pounds	1.20
	Shaft for Frame, 16 in. (18½ in.)	2½ pounds	1.40
	Shaft for Frame, 18 in. (20½ in.)	3¼ pounds	1.60
126	Machine Screw ¼ x ½, Round Head	1 ounce	.05
127	Set Screws for Adjusting Stationary Knife and Cyl. Cap, ¼ x ¼	1 ounce	.05
128	Rod for Roller Bracket and Stationary Knife, ½ x 14½	1 ounce	.05
		2 ounces	.05
137	Bolt for Wood Handle, ½ x 2½	6 ounces	.40
1036A	Wrench	4 ounces	.20
134	Sharpening Crank	1 ounce	.05
527	Split Pin	1 ounce	.05
528	Washer for Cylinder End, ½	1 ounce	.05
529	Machine Screw for Cylinder End, ⅜ x ¾	1 ounce	.10
136	Nut for End of Shaft, Hexagon	1 ounce	.05
531	Spiral Blade for Cylinder, 12 in.	10 ounces	.70
	Spiral Blade for Cylinder, 14 in.	12 ounces	.80
	Spiral Blade for Cylinder, 16 in.	14 ounces	.90
	Spiral Blade for Cylinder, 18 in.	1 pound	1.00
532	Cylinder Ends, state if Right or Left Hand	1½ pound	1.80
533	Cylinder Rings	6 ounces	.90
137	Roller Pins	2 ounces	.15
142	Rivets for Cylinder, ½ x ⅞	1 ounce	.05
1133	Cast Washer for Cast Back	1 ounce	.05
	Handle Clamps, each	7 ounces	.20
	Bolts for Handle Clamps, ¼ x 1	1 ounce	.05

LAWN MOWER PARTS

CONTINENTAL HIGH WHEEL—PRIOR TO 1900

FOUR KNIVES



Sizes, 15, 17, 19 and 21 Inches

DIRECTIONS FOR ORDERING

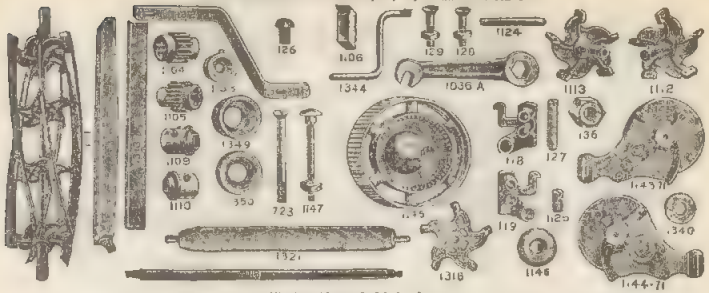
The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number, with description of parts. Where possible the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

No.	Article	Shipping Weight	Each
600	Left Hand Side Plate	4 pounds	$4.00
601	Right Hand Side Plate	4½ pounds	4.00
602	Left Hand Shield	1½ pound	1.40
603	Right Hand Shield	1½ pound	1.40
604	Driving Wheel, both alike, each	5 pounds	2.50
605	Left Hand Ratchet Gear, 1½ Hole	1½ pound	.80
606	Right Hand Ratchet Gear, 1½ Hole	1½ pound	.80
607	Double Gear, both alike, each ½ Hole	1½ pound	.80
1009	Pinion, both alike, each ½ Hole, 17 Cogs	17 ounces	.50
121	Steel Pawl	1 ounce	.10
1012	Cast Back for Stationary Knife, 15 in.	3½ pounds	2.20
	Cast Back for Stationary Knife, 17 in.	3½ pounds	2.40
	Cast Back for Stationary Knife, 19 in	4½ pounds	2.60
	Cast Back for Stationary Knife, 21 in.	5½ pounds	2.80
125	Steel Stationary Blade, 15 in.	12 ounces	1.50
	Steel Stationary Blade, 17 in.	14 ounces	1.70
	Steel Stationary Blade, 19 in	1 pound	1.90
	Steel Stationary Blade, 21 in.	1½ pound	2.10
118	Left Hand Roller Bracket	7 ounces	.30
119	Right Hand Roller Bracket	7 ounces	.30
1031	Wood Roller, 15 in.	1½ pound	.90
	Wood Roller, 17 in	1½ pound	1.00
	Wood Roller, 19 in	1½ pound	1.10
	Wood Roller, 21 in	2 pounds	1.20
1034	Handle Brace, 15 in.	1½ pound	.60
	Handle Brace, 17 in.	1½ pound	.70
	Handle Brace, 19 in	1½ pound	.80
	Handle Brace, 21 in	1½ pound	.90
1035	Wood Handle	3½ pounds	1.50
1014	Cylinder, complete, 4 Knives, 15 in	6½ pounds	11.00
	Cylinder, complete, 4 Knives, 17 in	7½ pounds	12.00
	Cylinder, complete, 4 Knives, 19 in	8½ pounds	13.00
1014	Cylinder, complete, 4 Knives, 21 in	9½ pounds	$14.00
1019	Left Hand Cylinder Cap	4 ounces	.60
1020	Right Hand Cylinder Cap	4 ounces	.60
620	Shaft for Frame, 15 in	2½ pounds	1.60
	Shaft for Frame, 17 in.	3½ pounds	1.80
	Shaft for Frame, 19 in	3½ pounds	2.00
	Shaft for Frame, 21 in.	3½ pounds	2.20
126	Machine Screw for Dead Knife, ¼ x ¾, Round Head	1 ounce	.10
127	Set Screw for Adjusting Stationary Knife, ¼ x 1½	1 ounce	.10
128	Bolt for Roller Bracket and Stationary Knife, ¼ x 1½	1 ounce	.10
131	Bolt for Wood Handle, ¼ x 2½	1 ounce	.10
1036A	Wrench	6 ounces	.40
134	Sharpening Crank	3 ounces	.20
627	Cast Collar on Shaft	3 ounces	.40
628	Split Pin	2 ounces	.10
136	Nut for End of Shaft, Hexagon	1 ounce	.10
122	Pin for Pinion, ⅛ x 1	1 ounce	.10
129	Bolt for Box, ¼ x 1¼	1 ounce	.10
1015	Spiral Blade for Cylinder, 15 in.	12 ounces	1.80
	Spiral Blade for Cylinder, 17 in.	12 ounces	1.80
	Spiral Blade for Cylinder, 19 in	1 pound	2.00
	Spiral Blade for Cylinder, 21 in.	1½ pound	2.20
1017	Cylinder Ring	8 ounces	1.00
1015	Cylinder End, Left Hand	1½ pound	2.40
1016	Cylinder End, Right Hand	1½ pound	2.40
137	Roller Pin	2 ounces	.15
143	Rivet for Cylinder, ¼ x	1 ounce	.10
1138	Cast Washer for Cast Back	1 ounce	.10
	Handle Rings, each	7 ounces	.20
786	Bolt for Handle Rings, ¼ x 2½	1 ounce	.10

LAWN MOWER PARTS

GREAT AMERICAN BALL BEARING

10 INCH WHEELS. 5 KNIVES, 15, 17, 19 and 21 Inches



15, 17, 19 and 21 inches

Note.—When ordering side plates, wheel washers or bolts, be careful to give number that is cast on the plates—1143 and 1144 or 1143-71 and 1144-71 or 1101-42 and 1102-42.

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number, with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached

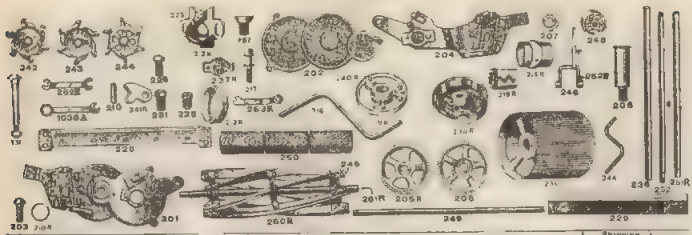
No.	Article	Shipping Weight	Each
1143-71	Left Hand Side Plate, with Cup	4 pounds	$3.00
1144-71	Right Hand Side Plate, with Cup	4 pounds	3.00
1145	Driving Wheel (both alike)	7 pounds	3.00
1104	Left Hand Pinion, ¼ Hole, 13 Cogs	4 ounces	.50
1105	Right Hand Pinion, ¼ Hole, 13 Cogs	4 ounces	.50
1106	Steel Pawl (both alike)	1 ounce	.10
1349	Ball Cup, both alike, without Balls	5 ounces	.40
1350	Dust Cap for Ball Cup	1 ounce	.20
1109	Left Hand Cone	4 ounces	.60
1110	Right Hand Cone	4 ounces	.60
1111	Cylinder, complete, 15 in.	7 pounds	8.00
	Cylinder, complete, 17 in.	7½ pounds	9.00
	Cylinder, complete, 19 in.	8¾ pounds	10.00
	Cylinder, complete, 21 in.	9 pounds	11.00
1112	Left Hand Cylinder Head	1¾ pound	2.00
1113	Right Hand Cylinder Head	1¾ pound	2.00
1318	Cylinder Ring	8 ounces	.90
1115	Cylinder Knife, 15 in.	9 ounces	1.00
	Cylinder Knife, 17 in.	10 ounces	1.10
	Cylinder Knife, 19 in.	12 ounces	1.20
	Cylinder Knife, 21 in.	15 ounces	1.30
1116	Cast Back for Stationary Knife 15 in.	3¼ pounds	1.75
	Cast Back for Stationary Knife 17 in.	4 pounds	2.00
	Cast Back for Stationary Knife 19 in.	4½ pounds	2.25
	Cast Back for Stationary Knife 21 in.	5¼ pounds	2.50
1313	Steel Stationary Blade, 15 in.	1 pound	1.35
	Steel Stationary Blade, 17 in.	1¼ pound	1.55
	Steel Stationary Blade, 19 in.	1½ pound	1.50
	Steel Stationary Blade, 21 in.	1¾ pound	1.70
1118	Shaft for Frame, 15 in. (16¼ in.)	2 pounds	.80
	Shaft for Frame, 17 in. (18¼ in.)	2¼ pounds	.90
	Shaft for Frame, 19 in. (20¼ in.)	2¾ pounds	1.00
	Shaft for Frame, 21 in. (22¼ in.)	3 pounds	1.10
1321	Wood Roller, 15 in. (13½ in.)	1¾ pound	1.00
	Wood Roller 17 in. (15¼ in.)	1¾ pound	1.10
	Wood Roller, 19 in. (17½ in.)	1¾ pound	1.20
1321	Wood Roller, 21 in. (19½ in.)	2 pounds	$1.30
118	Left Hand Roller Bracket	7 ounces	.30
119	Right Hand Roller Bracket	7 ounces	.30
1122	Handle Brace, 15 in.	1¼ pound	.50
	Handle Brace, 17 in.	1¼ pound	.60
	Handle Brace, 19 in.	1½ pound	.70
	Handle Brace, 21 in.	1¾ pound	.80
1123	Wood Handle with Steel Clamp	2½ pounds	1.50
1124	Steel Pin for Cone, ⅛ x 1¼	1 ounce	.05
1125	Steel Set Screw for Cone, ⅛ x ⅛	1 ounce	.10
127	Set Screw for Regulating Cast Back, ⅛ x 1¼	1 ounce	.05
126	Machine Screw for Stationary Knife Blade, 1 x ¼	1 ounce	.05
131	Bolt for Wood Handle, ⅜ x 2½	2 ounces	.05
29	Bolt for Cast Back, ⅜ x 1¼	1 ounce	.05
128	Bolt for Roller Bracket, ⅜ x 1¼	1 ounce	.05
1133	Washer for Cast Back, ⅜	1 ounce	.05
1340	Washer for Roller Bracket Bolt, ⅜	1 ounce	.05
136	Nut for End of Shaft, Hexagon	1 ounce	.05
1036A	Wrench	6 ounces	.40
1344	Sharpening Crank	4 ounces	.20
1351	Balls, complete Set for one Cup with Dust Cap	2 ounces	.40
1353	Rivets for Cylinder Knives, ⅛ x ¼	1 ounce	.05
137	Roller Pins, each	2 ounces	.15
1141	Shaft for Cylinders 15 in. (15¼ in.)	8 ounces	.50
	Shaft for Cylinders, 17 in. (17¼ in.)	12 ounces	.60
	Shaft for Cylinders, 19 in. (19¼ in.)	14 ounces	.70
	Shaft for Cylinders 21 in. (21¼ in.)	1 pound	.80
1146	Washer for Wheel, 1145 (square shoulder)	1 ounce	.05
1146-71	Wheel Washer for side plates, 71 style (round shoulder)	1 ounce	.05
1147	Bolt for Wheel 1145 ⅛ x 3¼	2 ounces	.10
1148	Stud for Side Plates 1143 and 1144	7 ounces	.80
	Steel Handle Clamps, each	7 ounces	.20
	Bolt for Handle Clamps, ⅜ x ⅞	1 ounce	.05

NOTE—For the Improved Model, 1926, the following numbers apply, in place of above

1101-42	L. H. Side Plate	.4 lbs	$3.00
1144-42	R. H. Side Plate	.4 lbs	3.00
B1522	L. H. Cone	.4 oz.	.60
B1523	L. H. Cone	.4 oz.	.60
1316A	L. H. Cylinder Head	1¾ lb.	2.00
1317A	R. H. Cylinder Head	1¾ lb.	2.00
1347	Eccentric Screw to Adj Cone	1 oz.	.20
1348	Set Screw for Cone	1 oz.	.10

LAWN MOWER PARTS

PENNSYLVANIA PUTTING GREEN ROLLER MOWER



No.	Article	Shipping Weight	Price
201	Right Hand Side Plate	5½ pounds	4.00
202	Right Hand Shield	2½ pounds	1.75
203	Round Head Machine Screw ¼ x 1 in.	1 ounce	.05
204	Left Hand Side Plate	4 pounds	3.00
205R	Master Gear. Cut ¾ hole, 1½ hub. Pinned with Screw	1¼ pound	1 40
206	Double Gear. Cut	1¼ pound	1 60
207	Pinion for Cylinder. Cut	8 ounces	75
208	Stud for Double Gear	8 ounces	.80
210	Key for Master Gear	1 ounce	10
23	Steel Pin for Pinion	1 ounce	05
212R	Cylinder Bearing Hanger, both alike	1½ pound	1 50
217	Regulating Screw, Square Head, to adjust above, 2x⅝ in.	3 ounces	40
215R	Universal Steel Sleeve, or Housing, for Roller Bearing	5 ounces	85
213R	Adjusting Collar for above	2 ounces	50
1332	Set Screw to Lock Collar, ¼x¾in	1 ounce	05
219R	Hyatt Roller Bearings, in Steel Casing for Cyl. and Drum Shaft	3 ounces	2 00
218R	Wire Ring to Lock Casing	1 ounce	05
220	Cap Screw to attach Hanger, ⅜x...	1 ounce	05
1349	Washer for same	... ounce	05
228	Cast Back only 14 in	4 pounds	2 00
	Cast Back only 16 in	4½ pounds	2 20
	Cast Back only 18 in	4¾ pounds	2 40
229	Steel Blade only ¼ x 2⅝ in	1½ pound	80
	Steel Blade only ⅜ x 2⅝ in	1¾ pound	1 60
	Steel Blade only 18 x 2⅝ in	1½ pound	1 80
1487	Flat Head Screw for same, ¼ x ½ in	1 ounce	05
230	Driving Drums, 14 in. } Without Ratchet	9 pounds	4 00
	Driving Drums, 16 in. } both sides alike	10 pounds	4 75
	Driving Drums, 18 in. }	11 pounds	4 50
231	S. H. Screw attach Cast Back ⅜ x ⅝ in	1 ounce	05
232	Shaft for Frame, 14 in. (15⅛ in. c.	1½ pound	75
	Shaft for Frame, 16 in. (17⅛ in. c.	1½ pound	85
	Shaft for Frame, 18 in. (19⅛ in. c.	2 pounds	95
1.35	Hexagon Nut for ⅜ in. Steel No. 20	2 ounces	10
18R	Shaft for Drum, 14 in. (15⅛)	2½ pounds	80
	Shaft for Drum, 16 in. (17⅛)	2¾ pounds	90
	Shaft for Drum, 18 in. (21⅛)	3 pounds	1 00
217R	Housing for Drum Shaft (both alike)	10 ounces	50
218R	Ratchet in Drum (both alike)	22 ounces	1 05
2388	F. H. Screw, with Nutto attach 1x¼	1 ounce	10
238R	Pawl Holder, including Pins	1½ pound	$1.00
239S	Key to hold above to Shaft	1 ounce	.05
240R	Pins for holding Pawls in Pawl Holder, (x1¼ in	1 ounce	10
241R	Pawls (6 to a Mower), each	½ ounces	10
260R	Cylinder, complete, 14 in	7½ pounds	10 00
	Cylinder, complete, 16 in	8 pounds	11.00
	Cylinder, complete, 18 in	8½ pounds	12 00
261R	Steel Shaft, 14 in (15⅛ in)	2 pounds	.80
	Steel Shaft, 16 in (20 in.)	2½ pounds	.90
	Steel Shaft, 18 in (22 in)	2¾ pounds	1.00
242	Left Hand Cylinder Head	1½ pound	2 00
243	Right Hand Cylinder Head	1½ pound	2.00
244	Ring for Cylinder	8 ounces	.40
245	Spiral Knife, 14 in.	11 ounces	90
	Spiral Knife, 16 in	12 ounces	1 00
	Spiral Knife, 18 in.	13 ounces	1.10
1753	Rivets for Cylinder Blades, ⅛ x ⅞	1 ounce	05
1344	Sharpening Crank, ⅜ in.	4 ounces	20
246	Right Hand Caster Fork (Malleable)	12 ounces	1.00
247	Left Hand Caster Fork (Malleable).	12 ounces	1.00
248	Caster Wheel only	13 ounces	.50
249	Shaft for Wood Roller & Caster, 14 in	1½ pound	.90
	Shaft for Wood Roller & Caster, 16 in	1½ pound	1 10
	Shaft for Wood Roller & Caster, 18 in	1½ pound	1.30
250	Wood Roller (3 sections), 14 in. (14⅛in.)	11 ounces	1.20
	Wood Roller (3 sections), 16 in. (16⅛in.)	13 ounces	1.40
	Wood Roller (3 sections), 18 in. (18⅛in.)	15 ounces	1 60
251R	Bolt to fasten Caster, ¼ x ⅞ in	2 ounces	.05
252R	Cutter Pin for Shaft	1 ounce	05
716	Handle Brace (both alike) 14 in	1¼ pound	.45
	Handle Brace (both alike), 16 in	1¼ pound	55
	Handle Brace (both alike), 18 in	1¼ pound	65
131	Bolt for same, ⅜ x 2¾ in.	2 ounces	05
1340	Washer for same	¼ ounce	05
256R	Wood Handle, Steel Clamp	3½ pounds	1 50
263R	Socket Wrench (Malleable)	5 ounces	40
1036A	Wrench (Malleable)	5 ounces	40
145	Handle Clamps	7 ounces	.20
146	Bolts for Handle Clamps, ⅜ x 1	1 ounce	05
299	Handle for Grass Box, (Left)	14 ounces	50
291	Handle for Grass Box, (Right)	14 ounces	.50
	Shield for Grass Box (all sizes)		2.00
292	Oil Cup	1 ounce	20

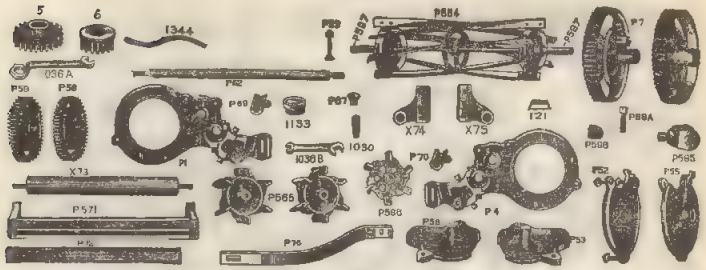
FOR PLAIN BEARING MODEL PRIOR TO 1924

205	Master Gear, ¾ hole, 1 in. hub, (pinned to shaft.	1½ pounds	1 40
212	Univ. Journ. Box for Cylinder, Right Hand	10 ounces	.50
213	Univ. Journ Box for Cylinder, Left Hand	10 ounces	1 50
214	Hanger for Cyl. Bearing, Right Hand	1½ pound	50
215	Hanger for Cyl. Bearing, Left Hand	1½ pound	1 50
216	Brz Bush for Univ. Journ, Box (alike)	4 ounces	15
218	Lower Support for Univ. Journ. Box	1 ounce	10
219	Upper Support for Univ. Journ. Box	1 ounce	10
220	Set Screw for Upper Support	1 ounce	20
222	Set Screw to adjust Bushing	1 ounce	10
223	Jamb Nut for same	1 ounce	10
224	Steel Shoe inside Univ. Journ. Box	1 ounce	10
234	Driving Drum Right, 14 in	9½ pounds	4 50
	Driving Drum Right, 16 in	10½ pounds	4 75
	Driving Drum Right, 18 in	11½ pounds	5 00
235	Driving Drum Left, 14 in	10 pounds	4 50
	Driving Drum Left, 16 in	10½ pounds	4.75
	Driving Drum Left, 18 in	11½ pounds	5 00
236	Shaft for Drum, 14 in	2¼ pounds	80
	Shaft for Drum, 16 in	2½ pounds	90
	Shaft for Drum, 18 in	3 pounds	1 00
237	Drum Shaft Bearing, both alike	10 ounces	50
239	Pawl Holder (2 pawls	13 ounces	1 00
240	Set Screws for same ¼x¼ in. sq. head	1 ounce	05
1326	Steel Pawls	1 ounce	10

LAWN MOWER PARTS

PENNSYLVANIA GOLF LOW WHEEL LAWN MOWER

SIX KNIVES



Sizes, 14, 16 and 18 Inches

Note. Parts numbered Five Hundred up (P551, P554, etc.) fit machines supplied from 1908 to 1912 inc. For **Earlier** mowers parts P51, P54, etc., must be ordered.

To avoid errors, always mention number on side plates and wheels when ordering any parts.

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use.
Give number, with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations.
Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached

If you have no open account with us, cash must accompany the order. If the parts can be mailed include mailing charges, or they will be sent by express, charges collect.

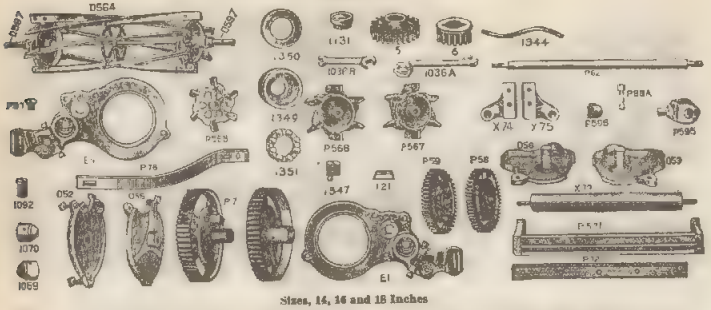
No.	Article	Shipping Weight	Each
P 1	Inside Left Hand Side Plate	3¾ pounds	$3.00
P57	Outside Left Hand Side Plate	1¼ pound	1.50
P63	Left Hand Shield	8 ounces	.50
P 4	Inside Right Hand Side Plate	3¾ pounds	3.00
P55	Outside Right Hand Side Plate	1¼ pound	1.50
P56	Right Hand Shield	8 ounces	.50
P 7	Driving Wheels, both alike	4 pounds	2.00
P88	Left Hand Master Gear, 1¼ Hole	1¼ pound	1.25
P89	Right Hand Master Gear, 1¼ Hole	1¼ pound	1.25
5	Intermediate Gears, both alike, ¾ Hole, 20 Cogs	7 ounces	.50
6	Pinion, both alike, ¾ Hole, 12 Cogs.	4 ounces	.50
P62	Shaft for Frame, 14 in. (19¼ in	2¾ pounds	80
	Shaft for Frame, 16 in. (21¾ in	3 pounds	90
	Shaft for Frame, 18 in. (23¾ in)	3¼ pounds	1.00
P564	Cylinder, complete, 14 in	8½ pounds	10.00
	Cylinder, complete, 16 in	9½ pounds	11.00
	Cylinder complete, 18 in	10½ pounds	12.00
1036A	Wrench	5 ounces	.40
1036B	Wrench for Square Head Set Screws	4 ounces	.40
P565	Cylinder End, both alike, formerly P566 left or P567 right	1¾ pound	2.00
P568	Cylinder Ring	9 ounces	.40
P69	Left Hand Cylinder Cap	4 ounces	.40
P70	Right Hand Cylinder Cap	4 ounces	.40
P571	Cast Back for Stationary Knife 14 in	3½ pounds	1.60
	Cast Back for Stationary Knife, 16 in.	3¾ pounds	1.80
	Cast Back for Stationary Knife, 18 in.	4 pounds	2.00
P72	Steel Stationary Knife, 14 x 2⅛	14 ounces	1.20
	Steel Stationary Knife, 16 x 2⅛	1 pound	1.40
	Steel Stationary Knife 18 x 2⅛	1¼ pound	1.60
X73	Wood Roller, 14 in. (14¾ in.)	1¾ pound	.90
	Wood Roller, 16 in. (16¾ in.)	1¾ pound	1.10
	Wood Roller, 18 in. (18¾ in.)	2 pounds	1.30
X74	Left Hand Roller Bracket with Oil Cup	6 ounces	.40
X75	Right Hand Roller Bracket with Oil Cup	6 ounces	.40

No.	Article	Shipping Weight	Each
P76	Handle Braces, both alike, each, 14 in	1¼ pound	$ .45
	Handle Braces, both alike, each, 16 in.	1½ pound	.55
	Handle Braces, both alike, each, 18 in.	1¾ pound	65
121	Steel Pawl	1 ounce	.10
23	Steel Pin for Pinion	1 ounce	.05
1344	Sharpening Crank	4 ounces	.20
P99	Wood Handle with Steel Clamp	3¼ pounds	1 50
1133	Cast Washer for Stationary Knife.	1 ounce	.05
1040	Bolt for Gear Box, ¼ x 1¼	1 ounce	05
130	Bolt for Roller Bracket, Gear Box and Stationary Knife ¼ x 1½	1 ounce	.05
131	Bolt for Wood Handle, ¼ x 3½	2 ounces	05
P67	Machine Screw for Stationary Knife Flat Head, ¼ x ¾	1 ounce	05
1030	Set Screw for Cylinder Caps, ¼ x ¾	1 ounce	.05
P58A	Set Screw for Stationary Knife Square Head ¼ x 1¼	1 ounce	10
136	Nut for Shaft, Hexagon	1 ounce	05
P90	Spiral Knives, each, 14 in.	12 ounces	90
	Spiral Knives, each, 16 in.	14 ounces	1 00
	Spiral Knives, each, 18 in.	1 pound	1 10
1353	Rivets for Cylinder Blades, ¼ x ⅞	1 ounce	05
137	Roller Pins	2 ounces	15
P585	Collar on Shaft	8 ounces	10
P586	Set Screw Collar	1 ounce	10
P597	Shaft for Cylinder, 14 in. (19 in.)	2 pounds	80
	Shaft for Cylinder, 16 in. (21 in.	2¼ pounds	90
	Shaft for Cylinder, 18 in. (23 in.)	2½ pounds	1 00
1039	Wind Guard Socket	4 ounces	40
1040	Bolt for Wind Guard Socket	1 ounce	05
145	Handle Clamps, each	7 ounces	20
146	Bolt for Handle Clamps, ¼ x ¾	1 ounce	05
1041	R. H. Fork on Grass Box	8 ounces	50
1042	L. H. Fork for Grass Box	8 ounces	50
	Shield for Grass Box, 14, 16 or 18 in	3 pounds	1 25
	Ends for Shield, Right or Left	12 ounces	1 00
1332	Sq. Hd. Set Screw for Coll. Hd. ¼ x ½	1 ounce	05
3047	Sq. Hd. Set Screw for Collar ¼ x ¼	1 ounce	05

LAWN MOWER PARTS

PENNSYLVANIA GOLF BALL BEARING LOW WHEEL

SIX KNIVES



Sizes, 14, 16 and 18 Inches

To avoid errors, always mention number on side plates and wheels when ordering parts.

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

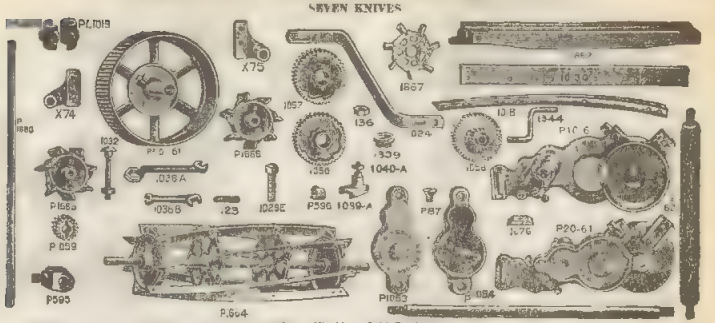
No.	Article	Shipping Weight	Each
E1	Inside Left Hand Side Plate	4 pounds	$1 00
O57	Outside Left Hand Side Plate	1½ pound	2 00
O53	Left Hand Shield	8 ounces	50
E4	Inside Right Hand Side Plate	4 pounds	4 00
O55	Outside Right Hand Side Plate	1½ pound	2 00
O54	Right Hand Shield	8 ounces	50
P7	Driver, Wheel both alike, each	4 pounds	2 00
P58	Left Hand Master Gear	1½ pound	1 50
P59	Right Hand Master Gear	1½ pound	1.50
3	Intermediate Gear, both alike, 20 Cogs each	7 ounces	70
6	Pinion, both alike 12 Cogs, each	4 ounces	50
P62	Shaft for Frame, 14 in. (19⅞ in.)	2½ pounds	1 60
	Shaft for Frame, 16 in. (21⅞ in.)	3 pounds	1.80
	Shaft for Frame, 18 in. (23⅞ in.)	3½ pounds	2.00
O564	Cylinder, complete, 14 in	8½ pounds	15.00
	Cylinder, complete, 16 in	9½ pounds	16 00
	Cylinder, complete, 18 in	11½ pounds	17 00
1036A	Wrench	5 ounces	40
1036B	Wrench for Square Head Set Screws	4 ounces	40
P595	Left Hand Cylinder End	1½ pound	2 60
P567	Right Hand Cylinder End	1½ pound	2 60
P568	Cylinder ring	9 ounces	60
1092	Left Hand Cone	4 ounces	50
1070	Right Hand Cone	4 ounces	80
P571	Cast Back for Stationary Knife, 14 in.	3½ pounds	2 10
	Cast Back for Stationary Knife, 16 in.	3½ pounds	2.30
	Cast Back for Stationary Knife, 18 in.	4 pounds	2.50
P78	Stationary Knife, 14 x 2⅞	14 ounces	1.40
	Stationary Knife, 16 x 2⅞	1 pound	1.60
	Stationary Knife, 18 x 2⅞	1½ pound	1.80
X73	Wood Roller, 14 in. (15 in.)	1⅝ pound	.90
	Wood Roller, 16 in. (17 in.)	1¾ pound	1.10
	Wood Roller 18 in. (19 in.)	2 pounds	1.30
X74	Left Hand Roller Bracket	6 ounces	.30
X75	Right Hand Roller Bracket	6 ounces	30

No.	Article	Shipping Weight	Each
P76	Handle Brace, both alike, each, 14 in.	1½ pound	$ 80
	Handle Brace, both alike, each, 16 in.	1½ pound	90
	Handle Brace, both alike, each, 18 in.	1½ pound	1 00
121	Steel Pawl	1 ounce	10
23	Steel Pin for Pinion	1 ounce	10
1344	Sharpening Crank	4 ounces	20
P68	Wood Handle	3½ pounds	1 80
1131	Cast Washer for Stationary Knife	1 ounce	.10
122	Bolt for Gear Box, 1¼ x ¼	1 ounce	10
120	Bolt for Stationary Knife, 1 x 1¼	1 ounce	.10
P58	Bolt for Gear Box, 1¼ x ¼	1 ounce	.10
128	Bolt for Roller Bracket, 1¼ x ¼	1 ounce	10
131	Bolt for Wood Handle, ¼ x 3¼	2 ounces	10
P57	Machine Screw for Stationary Knife, Flat Head	1 ounce	.10
P58A	Set Screw for Stationary Knife, Square Head, ⅜ x 1¼	1 ounce	10
136	Nut for Shaft	1 ounce	.10
P90	Spiral Cylinder Knives, each, 14 in.	12 ounces	1 40
	Spiral Cylinder Knives, each, 16 in.	14 ounces	1.60
	Spiral Cylinder Knives, each, 18 in.	1 pound	1 80
142	Rivets for Cylinder Knives, ¼	1 ounce	10
137	Roller Pins	2 ounces	15
P595	Collar on Shaft	8 ounces	40
P596	Stud for Collar	1 ounce	10
O567	Shaft for Cylinder, 14 in. (19 in.)	2 pounds	1 20
	Shaft for Cylinder, 16 in. (21 in.)	2½ pounds	1 40
	Shaft for Cylinder, 18 in. (23 in.)	2½ pounds	1.60
1347	Eccentric Screw for Adjusting Cone	1 ounce	.25
1348	Set Screw for Cone, ¼ x ⅞	1 ounce	.10
1349	Ball Cup, without Balls	2 ounces	.50
1350	Dust Cap	1 ounce	.20
1351	Retainer, with Balls	2 ounces	.80
1039	Wind Guard Socket	4 ounces	.30
1040	Bolt for Wind Guard Socket	1 ounce	.40
785	Handle Ring	7 ounces	.20

LAWN MOWER PARTS

PENNSYLVANIA GOLF HIGH WHEEL, PLAIN BEARING

SEVEN KNIVES



Sizes, 17, 19 and 21 Inches

Note. Parts numbered Sixteen Hundred up (1601, 1602, etc.) fit machines supplied 1908, 1909 and 1910. For EARLIER mowers the numbers are One Thousand up, e. g., part 1601 for a mower supplied in 1907 or earlier must be ordered as 1601. On 1911 and 1912 pattern mowers the same part would be P1651.

To avoid errors, always mention number on side plates and wheels when ordering any parts.

DIRECTIONS FOR ORDERING

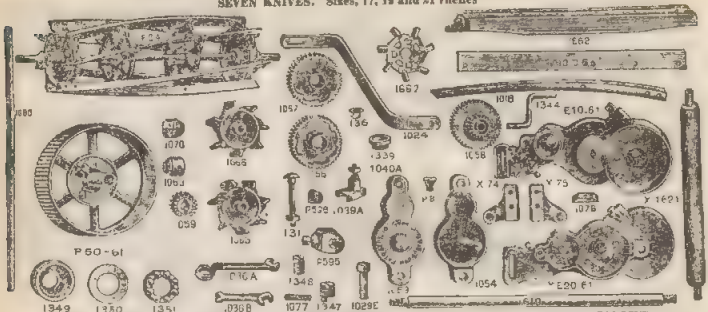
The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number, with description of parts. Where possible, the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached

No.	Article	Shipping Weight	Each
P18-61	Left Hand Side Plate	6½ pounds	$3.00
P20-61	Right Hand Side Plate	6½ pounds	3.00
P1653	Left Hand Shield	1½ pound	1.25
P1654	Right Hand Shield	1½ pound	1.25
P58-61	Driving Wheels, both sides	6 pounds	2.50
1656	Left Ratchet Gear, 14 Hole Cut	1½ pound	1.25
1657	Right Ratchet Gear, 14 Hole Cut	1½ pound	1.25
1658	Double Gears, both sides, 14 Hole Cut	1½ pound	1.25
P1659	Pinion, ¾ Hole Cut	8 ounces	.75
1616	Shaft for Frame, 17 in	3½ pounds	1.35
	Shaft for Frame, 19 in	34 pounds	1.35
	Shaft for Frame, 21 in	3¾ pounds	1.45
1642	Cast Back for Stationary Knife, 17 in	7 pounds	2.25
	Cast Back for Stationary Knife, 19 in	7½ pounds	2.50
	Cast Back for Stationary Knife, 21 in	7½ pounds	2.75
1013G	Steel Stationary Knife, 17 in	1½ pound	1.35
	Steel Stationary Knife, 19 in	1½ pound	1.50
	Steel Stationary Knife, 21 in	1½ pound	1.70
P1664	Cylinder, complete, 17 in	12 pounds	11.00
	Cylinder, complete, 19 in	14 pounds	12.00
	Cylinder, complete, 21 in	16 pounds	13.00
1643	Cylinder Head, both alike	2½ pounds	2.50
1667	Cylinder Rings	9 ounces	.90
1018	Spiral Knives, 7 in	12 ounces	1.00
	Spiral Knives, 19 in	1 pound	1.10
	Spiral Knives, 21 in	1½ pound	1.20
P1.1019	Left Hand Cylinder Cap	6 ounces	.60
PR1020	Right Hand Cylinder Cap	6 ounces	.60
X1021	Wood Roller, 17 in. (18½ in.)	1¾ pound	1.10
	Wood Roller, 19 in. (20½ in.)	2 pounds	1.40
	Wood Roller, 21 in. (22½ in.)	2½ pounds	1.50
X74	Left Roller Bracket with Oil Cup	6 ounces	.40
X75	Right Roller Bracket with Oil Cup	6 ounces	.40
1024G	Handle Braces, each, 17 in	2 pounds	.60
1024G	Handle Braces, each, 19 in	2½ pounds	.70
1024G	Handle Braces, each, 21 in	3¼ pounds	$ .80
1025G	Wood Handle, Steel Clamp	3¾ pounds	1.80
1070	Steel Pawl	1 ounce	.10
123	Steel Pin for Pinion, ⅜ x 1	1 ounce	.05
P87	Machine Screw for Stationary Knife, ⅜ x ¾, Flat Head	½ ounce	.05
1029E	Set Screw for Stationary Knife, ⅜ x 1½, Square Head	1 ounce	.10
1030	Set Screw for Cylinder Cap, ½ x 1½	1 ounce	.05
1335	Bolt for Roller Bracket, and Stationary Knife, ⅜ x 1¼	1 ounce	.05
130	Bolt for Shield, ¼ x 1½ F. H	1 ounce	.05
131	Bolt for Wood Handle, ¼ x 2½	1 ounce	.05
132	Nut for End of Shaft, Hexagon	1 ounce	.05
1344	Sharpening Crank	5 ounces	.20
1036A	Wrench	5 ounces	.40
1036B	Wrench for Square Head Set Screw	4 ounces	.40
1338	Washer for Cast Back	1 ounce	.05
1039A	Wind Guard Socket	5 ounces	.40
1040A	Bolt for Wind Guard Socket, ¼ x 1½	1 ounce	.05
P1650	Shaft for Cylinder, ¾ Diameter, 17 in	3¼ pounds	1.00
	Shaft for Cylinder, ¾ Diameter, 19 in	3¾ pounds	1.10
	Shaft for Cylinder, ¾ Diameter, 21 in	3¾ pounds	1.20
P595	Collar on Shaft	5 ounces	.40
P596	Stud for Collar	1 ounce	.10
1353	Rivets for Cylinder Knives, ⅜ x ¼	1 ounce	.05
137	Roller Pins	2 ounces	.15
145	Handle Clamps, each	7 ounces	.20
146	Bolt for Handle Clamps ¼ x 1	1 ounce	.05
1041	Right Hand Fork on Grass Box	8 ounces	.50
1042	Left Hand Fork on Grass Box	8 ounces	.50
	Shield for Grass Box, 17, 19 or 21 in	3 pounds	3.25
1039B	Ends for Shield, Right	12 ounces	1.00
1040L	Ends for Shield, Left	12 ounces	1.00
1332	Sq. Hd. Set Screw for Cyl. Hd. ¼ x ½	1 ounce	.05

LAWN MOWER PARTS

PENNSYLVANIA GOLF HIGH WHEEL, BALL BEARING

SEVEN KNIVES. Sizes, 17, 19 and 21 Inches



Note.—Parts numbered Sixteen Hundred up (1651, 1652, etc.) fit machines supplied 1906 to 1912. For EARLIER mowers the numbers are One Thousand up, e. g., part 1651 for a mower supplied in 1907 or earlier must be ordered as 1651.

To avoid errors, always mention number on side plates and wheels when ordering any parts.

DIRECTIONS FOR ORDERING

The right or left side of a lawn mower is determined by standing in back of the machine, as when in use. Give number with description of parts. Where possible the number is cast on the part, otherwise refer to the illustrations. Always give name of machine and width of cut. The size is stamped on the lower bar to which the knife is attached.

No	Article	Shipping Weight	Each
E19-61	Left Hand Side Plate	5½ pounds	$3 50
E20-61	Right Hand Side Plate	5½ pounds	3 40
1053	Left Hand Shield	1½ pound	1 25
1054	Right Hand Shield	1½ pound	1 25
P50-61	Driving Wheel	6 pounds	2 50
1056	Left Hand Ratchet Gear Cut	1½ pound	1 25
1057	Right Hand Ratchet Gear Cut	1½ pound	1 25
1658	Double Gear Cut	1½ pound	1 25
1059	Pinion Cut	8 ounces	.75
1610	Shaft for Frame, 17 in	4½ pounds	1 25
	Shaft for Frame, 19 in	5½ pounds	1 35
	Shaft for Frame, 21 in	3½ pounds	1 45
1652	Cast Back for Stationary Knife, 17 in	7 pounds	2 25
	Cast Back for Stationary Knife, 19 in	7½ pounds	2 50
	Cast Back for Stationary Knife, 21 in	7½ pounds	2 75
1013A2	Steel Stationary Knife 17 in	1 pound	1 25
	Steel Stationary Knife 19 in	1½ pound	50
	Steel Stationary Knife 21 in	1½ pound	1 70
1664	Cylinder complete, 7 knives, 17 in	11 pounds	11 00
	Cylinder, complete, 7 knives, 19 in	11 pounds	12 00
	Cylinder, complete, 7 knives, 21 in	11 pounds	13 00
1663	Cylinder Shaft, bolt, axle (assembly 1663 Left Hand, 1666 Right	2½ pounds	2 50
1667	Rings for Cylinder	4 ounces	1 00
1018	Spiral Knives, 17 in	12 ounces	1 00
	Spiral Knives, 19 in	1 pound	1 10
	Spiral Knives 21 in	1½ pound	1 20
1069	Left Hand Cone	4 ounces	60
1070	Right Hand Cone	4 ounces	60
X1096	R. H Bracket for Iron Roller with Oil Cup	6 ounces	40
X1097	R. H Bracket for Iron Roller with Oil Cup	6 ounces	40
1098	Iron Roller, 17 in	14 pounds	3 50
	Iron Roller 19 in	15 pounds	4 00
	Iron Roller 21 in	16 pounds	4 50
X1621	Wood Roller, 17 in (last on)	1½ pound	1 00
	Wood Roller, 19 in (last on)	20½ pounds	1 10
	Wood Roller 21 in (last on)	22½ pounds	1 20
X74	L. H Bracket for Wood Roller with Oil Cup	6 ounces	.40

No	Article	Shipping Weight	Each
X75	R. H Bracket for Wood Roller with Oil C	6 ounces	$ .40
1024C	Handle Braces, each, 17 in	2 pounds	60
	Handle Braces, each 19 in	2½ pounds	70
	Handle braces, each 21 in	3½ pounds	80
1024C	Wood Handle, Steel Clamp	3½ pounds	1 50
1076	Steel Pawl	1 ounce	10
1077	Steel Pin for Pawl	1 ounce	05
P87	Machine Screw for Stationary Knife	1 ounce	05
10293	Set Screw for Stationary Knife, Square Head 2½ x 1½ 22½ in.	1 ounce	10
1680	Shaft for Cylinder, 17 in (24½ in.)	2½ pounds	1 00
	Shaft for Cylinder, 19 in (26½ in.)	2½ pounds	1 10
	Shaft for Cylinder 21 in	3 pounds	1 20
1335	Bolt for Roller Bracket and Stationary Knife ⅜ x 1¼ F. H	1 ounce	05
130	Bolt for Shield, ¼ x 1¼ F. H	1 ounce	05
131	Bolt for Wood Handle, ¼ x 2½	1 ounce	05
135	Nut for End of Shaft	1 ounce	05
1344	Sharpening Crank	8 ounces	20
1036A	Wrench	5 ounces	40
1036B	Wrench for Square Head Set Screws	4 ounces	40
1339	Washer for Cast Back	1 ounce	05
1039A	Socket for Wind Guard	6 ounces	40
1040A	Bolt for Wind Guard Socket ¼ x 1½	1 ounce	05
1347	Eccentric Screw for Adjusting Cone	1 ounce	20
1348	Set Screw for Cone, ¼ x ½	1 ounce	10
1349	Ball Cup without Balls	2 ounces	40
1350	Dust Cap	1 ounce	20
1351	Retainer, with Balls	2 ounces	40
P595	Collar on Shaft	8 ounces	40
P596	Stud for Collar	1 ounce	10
137	Roller Pins	2 ounces	15
1357	Rivets for Cylinder Knives ⅜ x 1¼	1 ounce	05
145	Handle Steel Clamps, each	7 ounces	20
146	Bolt for Handle Clamps, ½ x ½	1 ounce	05
1039R	End for Grass Catcher Shield, Right	12 ounces	1 00
1040L	End for Grass Catcher Shield, Left	12 ounces	1 00
1041	Right Hand Fork on Grass Box	8 ounces	50
1042	Left Hand Fork on Grass Box	8 ounces	50
	Shield for Grass Box, 17, 19 or 21 in	3 pounds	2 25
1044	Oil Cup	1 ounce	20
1045	Wood Screw for Grass Box ⅜ x 1 F.H	1 ounce	05

POCKET KNIFE BLADES.

USED IN H.S.B. & CO. POCKET KNIVES.

Sheep Foot.

Clip Point.

Sheep Foot or Tobacco.

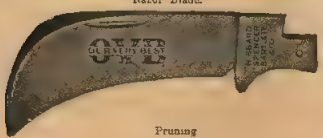
Large Spey.

Small Spey or Budding.

Wharncliffe.

Carpenters or Saw.

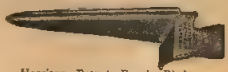
Razor Blade.



Pruning.

Pen Blade.

File Blade.



Harrison Patent Punch Blade.

Coru

Eraser

Screw Driver.

Spatula.

Timber Scribe.

Cotton Sampler.

We do not carry pocket knife blades in stock. The illustrations shown on this page being reproductions of the different styles used in H.S.B. & CO. pocket knives. Slight variations are made to adapt them to the different knives of which they form a part. All are made from Wardlow's Celebrated English crucible steel. Each blade is forged in the most approved manner by expert workmen. Great care is taken to avoid overheating the metal the forging being done at a very low heat, thereby condensing the metal and making it extremely tough. The tempering is done by a new method which insures a uniform and lasting edge. All blades bearing the H.S.B. & CO. trademark are carefully ground and finished. The shank is carefully shaped and finished. Every blade is inspected, whetted to a fine cutting edge and warranted to be free from flaws and neither too hard or too soft.

In material, workmanship and design, the H.S.B. & CO. pocket knife blades are equal, if not superior to any made in this or any other country. They are and always have been the product of an American factory which has in its employ cutlers who have served thirty, forty and fifty years in their service.

ETCHING CUTLERY

Etching Department.

STYLES OF ETCHING

The very best way of increasing trade in pocket cutlery is through the dealer's advertisement on the large blade of his best knives. If this is done wisely, it establishes a reputation for all knives bearing the dealer's name, adding his reputation to that of the maker, and thus is a convincing argument to the quality of the article. The consumer is sure of a double guaranty, and if the brand is unknown, he at least knows that the dealer would not have his name on inferior goods. It is also a strong safeguard against theft. Several times every year we hear of stolen goods recovered which had been etched by us, the name on the blade identifying the knives and establishing evidence to convict the thieves. Numbers of our customers have informed us that they have been robbed, the thieves leaving the etched knives untouched.

Our etching department, beginning in 1896 in a very modest way, has grown to an important adjunct to our cutlery business. Our etchers have become artists in their work, having every appliance necessary or desirable to produce fine results.

Etching has become popular, and the public is quick to notice the enterprise of a dealer who has something new to offer.

We make no charge whatever for this work, feeling that we are amply repaid by the increased business the dealer is sure to give us in consequence of adding to the selling quality of his knives. Our only requirements are that a sufficient—not a large—quantity is ordered each time to warrant it, and that the goods are such that we as a firm would care to affix our guaranty.

We shall be glad to explain more fully through our representatives or by letter our position in this matter and show samples of the work.

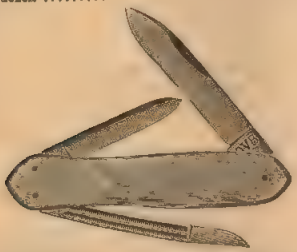
POCKET KNIVES

FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

Made by American workmen. Blades are finest quality Crucible Steel TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE. Sharpened ready for use. In whetting, hold at an angle of 18 degrees on an OIL STONE, not a grindstone.

WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

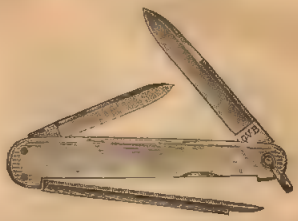
A very fine, high grade, Gentleman's Vest Pocket Knife. Three blades, highly mirror finished, nickel silver lined, nicely milled, nickel silver tips, length when closed 3 in.
No. C1383 —Pearl handle, not shielded, per dozen $80.00
No. C383 —Stag handle, nickel silver shield, per dozen $52.20



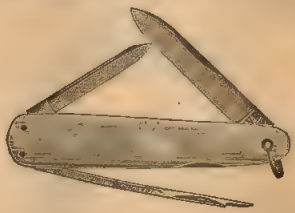
No. C786 —Three blades, highly Crocus polished, **Pearl handle,** nickel silver lined, milled, length when closed 3 in. ..... per dozen $66.65

No. C560 —Large blade highly polished on front side, long slender file blade is of the popular style and is nicely finished, **Pearl handle,** nickel silver lined, nicely milled, length when closed 3 in. per dozen $60.00

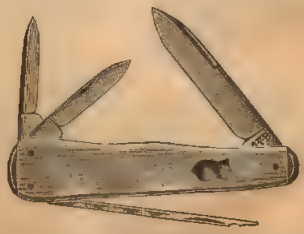
ALL ABOVE HALF DOZEN IN A BOX



Three blades, full mirror finish, nickel silver lined, nicely milled, nickel silver shield and nickel silver toggle for fastening to watch chain, length when closed 2¾ in.
No. C7541 —Pearl handle .... per dozen $59.45
No. C7538 —Stag handle ..... per dozen 42.20



A very fine Gentleman's Vest Pocket Knife. Three blades, full mirror finished, **Pearl handle,** nickel silver lined, milled, length when closed 3⅞ in.
No. C644R —With nickel silver toggle, per dozen $72 20
No. C644 —Without toggle .. per dozen 70.00



Four blades, full mirror finished, nickel silver lined, nickel silver tips and shield, length when closed 3½ in.
No. C664 —Pearl handle ..... per dozen $90 00
No. C663 —Stag handle ..... per dozen 60.00

ALL ABOVE HALF DOZEN IN A BOX

Our stock consists of a large assortment of Pocket Knives and other Cutlery. WE ILLUSTRATE OUR LEADING PATTERNS ONLY. Ask our salesman to show you samples of our complete line.

POCKET KNIVES

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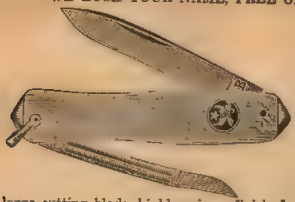
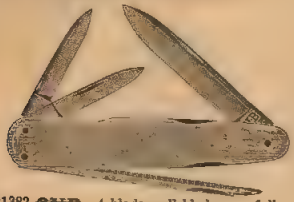
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED



One large cutting blade, highly mirror finished on both sides and one long nail file blade with mirror finish point and side. Beautiful **Pearl handle** fitted with gold and enamel emblem, nickel silver lined, nicely milled on front and back, nickel silver tips, nickel silver toggle for fastening to watch chain. Length when closed 3 in.

	Per doz.
No. C1442—**Masonic Emblem**	$70.00
No. C1443—**Elks Emblem**	70.00
No. C1444—**Odd Fellows Emblem**	70.00
No. C1445—**K. of P. Emblem**	70.00
No. C1447—**K. of C. Emblem**	70.00
No. C1448—**Shrine Emblem**	70.00
No. C1449—**W. O. W. Emblem**	70.00
No. C1450—**Kiwanis Emblem**	70.00
No. C1451—**Rotary Club Emblem**	70.00



No. C1382—4 blades, all blades are full crocus or mirror finished,, **Pearl handle,** nickel silver lined, fancy milled front and back, length when closed 3 1/16 in., per dozen $76.65

No. C1381—3 blades, full crocus or mirror finished, **Pearl handle,** nickel silver lined with fancy milling on front and back, length when closed 2⅞ in., per dozen $70.55

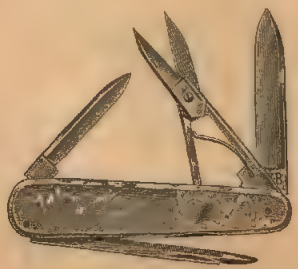
ALL ABOVE, HALF DOZEN IN A BOX

Blades full crocus or mirror finished. Handles extra selected **Pearl.** Nickel silver linings fancy milled backs. Length closed 3⅛ in. Large blade etched DeLuxe. Each knife in a leather purse with button snap.

No. C923—**Two blades,** 1 large spear point blade and 1 pen blade..... per dozen $60.00

No. C924—**Three blades,** 1 large spear point blade, 1 pen blade and nail file blade..per dozen $70.00

No. C925—**Four blades,** 1 large spear point blade, 2 pen blades and 1 nail file blade..per doz. $76.65



No. C1475—Combination Scissor Knife, 1 large cutting blade, 1 small pen blade and scissor on one side, nail file on reverse side, blades highly Crocus polished beautifully finished, **Pearl handle,** nickel silver lined, milled, nickel silver shield, length closed 2¾ in., per dozen $100.00

ALL ABOVE, HALF DOZEN IN A BOX

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WE ETCH YOUR NAME, FREE OF CHARG. ON THESE KNIVES WHEN REQUESTED

No. C299R—Three blades, full crocus or mirror finished, **Pearl handle,** with nickel silver toggles for fastening to watch chain, nickel silver lined with fancy milled back, length when closed 2⅞ in., per dozen **$57.75**

HALF DOZEN IN A BOX

No. C728—Three blades, full mirror finish, **Pearl handle,** nickel silver lined, nicely milled, length when closed 3⅜ in.....per dozen **$80.00**

HALF DOZEN IN A BOX

Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters.

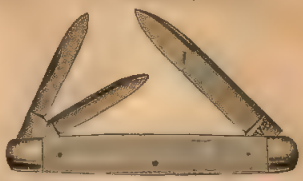
No. C618—**Pearl handle, not shielded,** length when closed 3⅜ in.....per dozen **$53.30**

No. C616—**Stag handle, nickle silver shield,** length when closed 3⅜ in.....per dozen **$32.20**

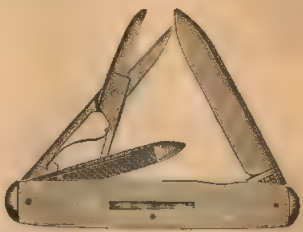
No. C1021—**Pearl handle, not shielded,** length when closed 2⅞ in.....per dozen **$40.00**

No. C1025—**Stag handle, nickel silver shield,** length when closed 2⅞ in....per dozen **$28.00**

HALF DOZEN IN A BOX



No. C1391—Large blade highly polished on front side, small blades nicely glazed, **Pearl handle,** brass lined, nickel silver bolsters, length when closed 2⅞ in., per dozen **$44.00**



Two blades, and one pair self-opening scissors with spring, all highly mirror finished, brass lined, nicely milled, nickel silver tips and shield. Length when closed 2⅛ in.

No. C932—**Pearl handle**....per dozen **$73.30**

Four blades, nickel silver tips and shield.

No. C1078—**Stag handle,** large blade is highly polished on front side, other blades nicely glazed, brass lined, length when closed 3¼ in.....per dozen **$43.90**

No. C832—**Pearl handle,** blades are full mirror finished, nickel silver lined, nicely milled, length when closed 3⅜ in.....per dozen **$70.00**

No. C830—**Stag handle,** large blade is highly polished on front side, other blades nicely glazed, nickel silver lined, length when closed 3⅜ in., per dozen **$43.90**

ALL ABOVE HALF DOZEN IN A BOX

POCKET KNIVES

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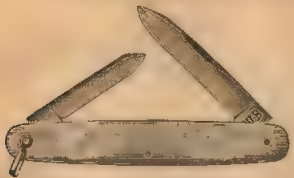
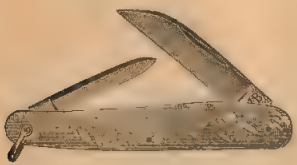
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED



No. C297R —Two blades, large blade highly polished on front side, other blade nicely glazed, **Pearl handle,** BRASS LINED, has nickel silver toggle for fastening to watch chain, length when closed 2¾ in., Per dozen $42.20

HALF DOZEN IN A BOX

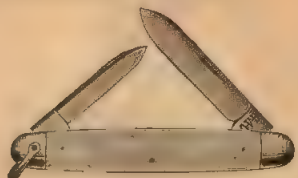


No. C505R —Two blades, large blade polished on front side, other blade nicely glazed, **Pearl handle,** with nickel silver toggle for fastening to watch chain, brass lined, length when closed 2⅞ in..per dozen $46.10

HALF DOZEN IN A BOX

No. C1073 —Three blades, large blade highly polished on front side, other blades nicely glazed, **Pearl handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅛ in.....per dozen $53.30

HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, other blade nicely glazed, brass lined, nickel silver bolster and toggle, for fastening to watch chain, length when closed 2⅛ in.

No. C530R —**Pearl handle**. ..per dozen $36.10
No. C1206R —**Stag handle**....per dozen 22.20

HALF DOZEN IN A BOX

No. C295R —One blade, highly polished on front side, **Pearl handle,** brass lined, nickel silver bolster, has nickel silver toggle for fastening to watch chain, length when closed 2¼ in..... ..... per dozen $26.65

HALF DOZEN IN A BOX

A high-grade, quality, gentleman's vest pocket knife with toggle to attach to watch chain.

No. C326 —**Gold Top,** two blades, large blade highly polished on front side, other blade nicely glazed, handsome engraved gold top (gold plated) handle and toggle. Length when closed 2¼ in. Each Knife put up in a flannel bag.....per dozen $44.00

HALF DOZEN IN A BOX

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OVB POCKET KNIVES

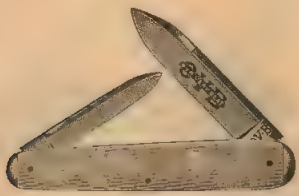
FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

Made by American workmen. Blades are finest quality Crucible Steel, TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE. Sharpened ready for use. In whetting, hold at an angle of 18 degrees on an OIL STONE, not a grindstone.

WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

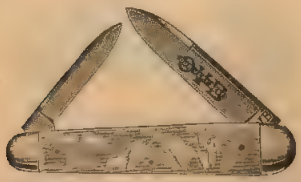
No. C1022 OVB—Two blades, large blade highly polished on front side, other blade nicely glazed, **Pearl handle,** brass lined, length when closed 3⅛ in., per dozen $52.20

HALF DOZEN IN A BOX



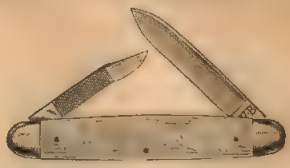
No. C1392 OVB—Two blades, large blade highly polished on front side, other blade nicely glazed, **Pearl handle,** brass lined, nickel silver tips, length when closed 3⅛ in.....per dozen $52.20

HALF DOZEN IN A BOX



No. C1122 OVB—Two blades, large blade highly polished on front side, other blade nicely glazed, **Pearl handle,** brass lined, nickel silver bolster, length when closed 3⅛ in.....per dozen $46 10

HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, file blade nicely finished, brass lined, nickel silver bolsters, length when closed 3⅛ in.

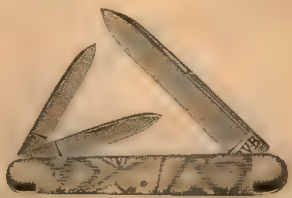
No. C569 OVB—**Pearl handle, not shielded,** per dozen $40.00

No. C567 OVB—**Stag handle, nickel silver name plate**.... . . . . .per dozen $24.00

HALF DOZEN IN A BOX

No. C1016 OVB—Two blades, large blade highly polished on front side, other blade nicely glazed **Pearl handle,** nickel silver bolsters, length when closed 2¾ in.....per dozen $34.00

HALF DOZEN IN A BOX



No. C1023 OVB—Three blades, large blade highly polished on front side, other blades nicely glazed, **Imitation mother of pearl celluloid handle,** brass lined, nickel silver bolsters, length when closed 3 in., per dozen $28.90

HALF DOZEN IN A BOX

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POCKET KNIVES

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Made by American workmen. Blades are fir. st quality Crucible Steel TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE. Sharpened ready for use. In whetting, hold at an angle of 15 degrees on an OIL STONE, not a grindstone.

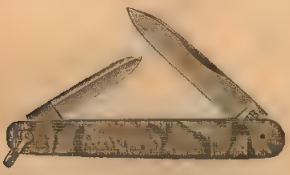
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

No. C27 —One blade, highly polished on front side, **Abalonian Pearl Shell Celluloid handle,** brass lined, nickel silver toggle for fastening to watch chain, length when closed 2⅞ in.....per dozen **$10.65**

HALF DOZEN IN A BOX

No. C288 —One small size clip Sabre blade, highly polished on front side, **Abalonian pearl shell celluloid handle,** brass lined, hollow nickel silver bolster, nickel silver toggle for fastening to watch chain, length when closed 2⅞ in.....per dozen **$19.45**

HALF DOZEN IN A BOX



No. C286 —The blades, large blade highly polished on front side, other blade nicely glazed, **Imitation mother of pearl shell celluloid handle,** with nickel silver toggle for fastening to watch chain, brass lined, length when closed 3 in.....per dozen **$21.65**

HALF DOZEN IN A BOX

No. C29 — **The Bootlegger's Friend.** One combination pen and crown cap bottle opener blade, nicely glazed, **fancy embossed nickel silver handle,** length when closed 2⅞ in.....per dozen **$8.90**

HALF DOZEN IN A BOX

RING KNIVES—Blades are opened by turning rings on ends of knives, prevents broken finger nails. Two blades, large blade highly polished on front side, other blade nicely glazed, nickel silver rings for opening blade, length when closed 3½ inches.

No. C30 —**Fancy Nickel silver handle,** per dozen **$20.00**

No. C31 —**Pearl handle,** nickel silver bolsters, per dozen **$46.10**

HALF DOZEN IN A BOX

No. C287 —Two blades, cutting blade is highly polished on front side as is tip on file blade, **Gold flake celluloid handle,** has the appearance of washed gold dust when poured into the gold weighing scale, nickel silver lined, nickel silver toggle for fastening to watch chain, length when closed 2½ in.....per dozen **$28.90**

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POCKET KNIVES

No. C1310 —Has large clip point cutting blade, highly polished on front side, spey blade, Harrison Leather Punch or gouge blade nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ in.....per dozen $32.00

No. C1090 —Harrison Punch, three blades, large blade highly polished on front side, other blades nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ in....per dozen $32.00

No. C1441 —Three blades, large blade highly polished on front side, speying blade and Harrison Leather Punch or gouge blade, nicely glazed, **Green pearl shell celluloid handle,** brass lined, nickel silver bolsters, length when closed 3⅜ in.....per dozen $31.10

Three blades, large blade highly polished on front side, small speying blade and Harrison Leather Punch or gouge blade nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield.

No. C1300 —Length closed 2⅞ in..per dozen $26.65
No. C1440 —Length closed 3⅜ in..per dozen 26.65

Three blades, large cutting blade highly polished on front side, speying blade and Harrison Leather Punch or gouge blade nicely glazed, brass lined, nickel silver bolsters and shield. Length when closed 3⅜ in.

No. C1309 —**Stag handle**.....per dozen $32.00
No. C1324 —**Cocobolo handle,** per dozen 32.00

ALL ABOVE HALF DOZEN IN A BOX

Three blades, large cutting blade highly polished on front side, speying and Harrison Leather Punch or gouge blade nicely glazed, brass lined, nickel silver bolsters, length when closed 3⅜ in.

No. C1308 —**Red pearl shell celluloid handle**.....per dozen $32.00
No. C130 —**White ivory celluloid handle,** per dozen $32.00
No. C1463 —**Red celluloid handle**..doz. $35.55

ALL ABOVE, HALF DOZEN IN A BOX

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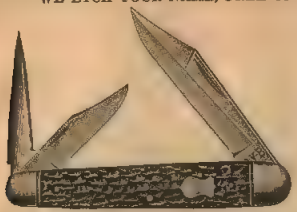
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED



Three blades, large heavy gauge coping blade, nicely polished on front side, small clip point blade and Harrison Leather Punch or gouge blade nicely glazed, brass lined, nickel silver bolsters, length when closed 3 5/16 in.

No. C1439 —Stag hadle, nickel silver shield, per dozen $32.00

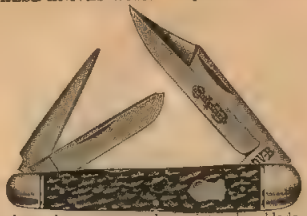
No. C1438 —Ebony handle, nickel silver shield, per dozen $32.00

No. C1464 —Red celluloid handle, not shielded ..... per dozen $35.55

No. C1465 —Has heavy gauge spear point sabre blade, highly polished on front side, spey blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle, brass lined, nickel silver bolsters and shield, length when closed 3⅜ in.....per dozen $35.55**

No. C1466 —Has heavy gauge clip point sabre blade, highly polished on front side, spey blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle, brass lined, nickel silver bolsters and shield, length when closed 3⅜ in.....per dozen $35.55**

ALL ABOVE HALF DOZEN IN A BOX



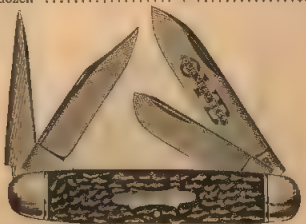
Has large heavy gauge clip point sabre blade, highly polished on front side, small spey blade nicely glazed and Harrison leather punch or gouge blade, brass lined, nickel silver bolsters, length when closed 3⅜ in.

No. C987 —Stag handle, nickel silver shield, per dozen $33.35

No. C1476 —Red Pearl shell celluloid handle, not shielded..... ...per dozen $35 55

No. C1468 —Abalonian Pearl shell celluloid handle, not shielded ..... per dozen $35.55

No. C1461 —Has extra heavy gauge wide spear point cutting blade highly polished on front side, spey blade and Harrison leather punch blade nicely glazed, **Ebony handle, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3⅜ in., per dozen $35.55**



No. C1187 —Has one large spear point cutting blade, highly polished on front side, one smaller clip point blade, one spey blade and one Harrison leather punch or gouge blade, all nicely glazed, **Stag handle, brass lined, center lining is nicely milled, nickel silver bolsters and shield, length when closed 3⅜ in., per dozen $33.90**

ALL ABOVE, HALF DOZEN IN A BOX

POCKET KNIVES

FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

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One large clip point cutting blade highly polished on front side, one spey blade nicely glazed and one Harrison leather punch or gouge blade, brass lined, nickel silver bolsters and shield.

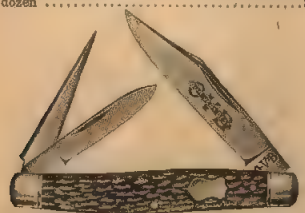
No. C301 —**Stag handle,** length when closed 4 in. ..... per dozen $32.00

No. C302 —**Stag handle,** length when closed 3⅞ in. ..... per dozen $31.10

No. C306 —**Red Pearl Shell Celluloid handle,** length when closed 3⅞ in..... per dozen $33.35

No. C1469 —**Golden Amber Pearl Shell Celluloid** handle, length closed 4 in..... per dozen $35.55

No. C1417 —Has one large spear point cutting blade, highly polished on front side, one long spey blade and one Harrison leather punch or gouge blade nicely glazed, **Stag handle,** brass lined, hollow nickel silver bolsters and shield. Length when closed 3⅛ in., per dozen $40.00



No. C322 —Has large clip point blade, highly polished on front side, small pen blade, nicely glazed and Harrison leather punch or gouge blade, **Stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅛ in..... per dozen $31.10

ALL ABOVE HALF DOZEN IN A BOX

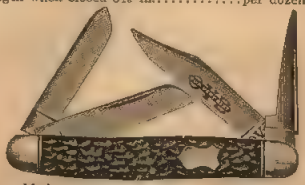
No. C657 —Two blades, full mirror finished, and one Harrison leather punch or gouge blade, **Stag handle,** nickel silver lined, nicely milled, nickel silver bolsters and shield, length closed 4 in.. per dozen $46.10

Two blades, and one Harrison leather punch or gouge blade, full mirror finish, nickel silver lined, nicely milled, nickel silver bolsters.

No. C658 —**Stag handle,** nickel silver shield, length when closed 4 in..... per dozen $46.10

No. C656 —**Harding Blue Pearl Shell Celluloid handle,** not shielded, length when closed 4 in., per dozen $48.00

No. C1431 —**Stag handle,** nickel silver shield, length when closed 3⅞ in..... per dozen $42 20



Four blades, cutting blades are full Crocus polished, nickel silver lined, beautifully milled, nickel silver bolsters.

No. C928 —Harrison Punch, **Stag handle,** nickel silver shield, length when closed 3⅞ in., per dozen $50.00

No. C929 —Harrison Punch, **Green pearl shell celluloid handle,** not shielded, length when closed 3⅞ in. ..... per dozen $52.20

No. C1477 —Harrison Punch, **Red pearl shell celluloid handle,** not shielded, length when closed 3⅞ in. ..... per dozen $52.20

No. C1433 —Harrison Punch, **Stag handle,** nickel silver shield, length when closed 3⅛ in., per dozen $46.10

ALL ABOVE HALF DOZEN IN A BOX

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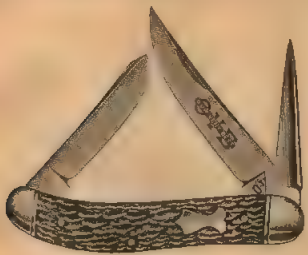
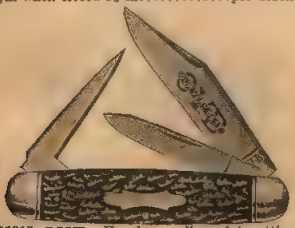


No. C1318 —Has large perfect cattleman's blade, highly polished on front side, spey blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3½ in.....per dozen $32.20

No. C1362 —Has large perfect cattleman's blade, highly polished on front side, spey blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield. Length when closed 3¼ in.....per dozen $40.00



No. C1313 —Has large clip point cutting blade, highly polished on front side, small pen blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3½ in.....per pair $32.00

ALL ABOVE HALF DOZEN IN A BOX

An ideal sportsman's knife, a complete repair kit, has everything from a leather punch or gouge blade for repairing broken straps, hoof cleaning hook for removing stones and pebbles from the horse's hoof, to a fine cork screw to open up that Grape Juice? bottle at the end of the drive, also a dandy knife for any carpenter's, fisherman's, hunter's, or automobilists kit.

No. C1186 —Has one large and substantial spear point cutting blade, one Harrison leather punch or gouge blade, screw driver, hoof cleaning hook and cork screw. **Genuine Stag handle,** brass outer linings and steel center lining, fancy hollow nickel silver bolster, nickel silver shield, length when closed 3⅝ in..per dozen $86.65

No. C1305 —Has large spear point cutting blade, highly polished on front side, small pen blade and Harrison leather punch or gouge blade nicely glazed, **Stag handle,** brass lined, center lining is nicely milled, nickel silver bolsters and shield, length when closed 3¼ in. .....per dozen $35.55

ALL ABOVE HALF DOZEN IN A BOX

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over seventy-two years' experience stands back of our brands.

Hibbard POCKET KNIVES

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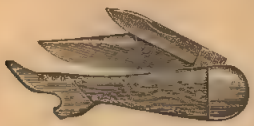


A very attractive novelty or premium knife. The heel of slipper is very effective for opening bottles having crown cap

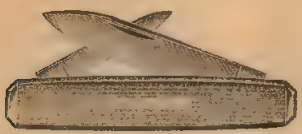
Two blades, large blade highly polished on front side, other blade nicely glazed, brass lined, nickel silver bolster and slipper, length when closed 3⅝ in.

No. C3563P—Hibbard Leg Knife, fancy **goldaleur celluloid handle** ..... per dozen $17.75

No. C3564P—Hibbard Leg Knife, fancy **silveraleur celluloid handle** ..... per dozen $17.75

No. C3547P—Hibbard Leg Knife, assorted one each with the following handles in a box, **green pearl shell celluloid, Abalonian pearl shell celluloid, iris pearl shell celluloid, amber gold pearl shell celluloid, onyx pearl celluloid and white ivory celluloid**..... per dozen $17.75

HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, other blade nicely glazed, brass lined, nickel silver tips and shield, length when closed 2¾ in.

No. C2898P—Hibbard, gold and black iridescent celluloid handle..... per dozen $20.00

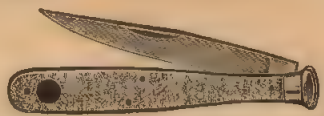
No. C2897P—Hibbard, blue and green iridescent celluloid handle..... per dozen $20.00

No. C2899P—Hibbard, green and red iridescent celluloid handle..... per dozen $20.00

HALF DOZEN IN A BOX

OUR SPECIALTY

Our Very Best
Is
The Very Best



Every Red Blooded American is Interested in Baseball. Here are some knives that will attract attention and be immediate favorites The handles are shaped like a baseball bat. A handy and practical pocket knife, Not a toy.

One new developer clip point blade, highly polished on front side, brass lined, nickel silver fancy bolster. Length when closed 3⅜ in.

No. C3562P—Hibbard, assorted handles, 3 **with iridescent goldaleur celluloid handles and 3 with iridescent silveraleur celluloid handles,** mounted on a handsome purple plush covered, gold cord trimmed easel back display card..... per dozen **$17.75**

TWO CARDS OF HALF DOZEN EACH IN A BOX

Junior Saturday Evening Special, 2 blades, large blade highly polished on front side, other blade nicely glazed, brass lined, nickel silver fancy bolster and cap, length when closed 3¼ in.

No. C2889P—Hibbard, red, white and amber gold striped celluloid handle, (looks like peppermint stick candy)..... per dozen $18 90

No. C2888P Hibbard—Stag handle per dozen $17 75

HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, other blade nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3 in.

No. C2906P—Hibbard, red, white and amber gold striped celluloid handle, (looks like peppermint stick candy)..... per dozen $17.75

No. C2905P—Hibbard, stag handle, per dozen $16.65

HALF DOZEN IN A BOX

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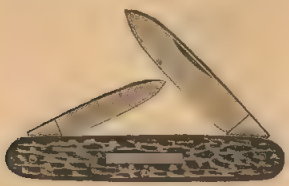
No. C2789P—Hibbard, Baseball bat knife, two blades, large blade highly polished on front side, small blade nicely glazed, **grain celluloid handle to represent the graining in the regular dark hickory baseball bat, with inlaid white ivory celluloid official league ball trade mark** on both sides of handle, brass lined, fancy nickel silver bolster, length when closed 3⅞ in.....per dozen $20.00

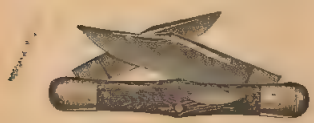
HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, nickel silver shield, length when closed 3⅛ in.

No. C2758P Hibbard—Stag handle......per dozen $15.00

HALF DOZEN IN A BOX



A wonderfully efficient and strong carpenters, mechanics, farmers or handy man's Pocket Knife. Not too large or bulky, but just the right size to be conveniently carried in pocket, in fact if necessary, will nicely fit the vest pocket. The thinnest and strongest knife of its kind on the market.

No. C3510P Hibbard—2 blades, large clip point blade is highly polished on front side, smaller clip point blade is nicely glazed, Abalonian pearl shell celluloid handle, brass lined, nickel silver bolsters and shield, length when 3⅞ in .....per dozen $17 75

HALF DOZEN IN A BOX

No. C2574P—Hibbard Office Knife, two blades, large blade highly polished on front side, small blade nicely glazed, **white American Ivory celluloid handle stamped Office Knife,** brass lined, length when closed 3⅜ in.....per dozen $17.75

HALF DOZEN IN A BOX

No. C2636P—Hibbard, two blades, large blade highly polished on front side, small blade nicely glazed, **white ivory celluloid handle** with large nickel silver rivets on each end, brass lined, length when closed 3⅜ in., per dozen $17.75

HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, length when closed 3 inches.

No. C2689P—Hibbard, stag handle, nickel silver tips and shield.....per dozen $20.00

No. C2690P—Hibbard, Iris pearl shell celluloid handle, nickel silver tips and shield, per dozen $20.00

No. C2704P—Hibbard, pearl handle, nickel silver tips.....per dozen $53.30

HALF DOZEN IN A BOX

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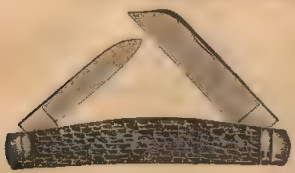
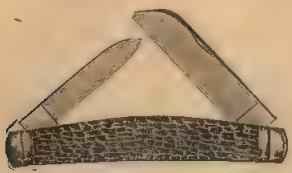


Congress Pattern—Two blades, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, hollow steel bolsters.

No. C2761P Hibbard—Length when closed 3 in., per dozen $15.55

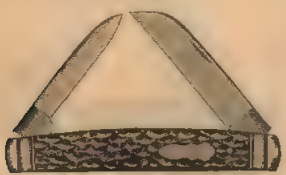
HALF DOZEN IN A BOX



STANDARD CONGRESS PATTERN

No. C2984P Hibbard—2 blades, large tobacco or sheep-toe blade is highly polished on front side, regular size pen blade is nicely glazed, **stag handle,** brass lined, nickel silver hollow bolsters, length when closed 3¾ in..... per dozen $13.35

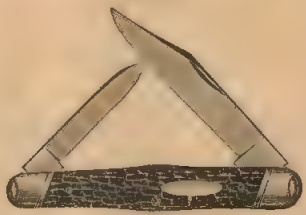
HALF DOZEN IN A BOX



STANDARD CONGRESS PATTERN

No. C2985P Hibbard—2 blades, large tobacco or sheep-toe blade is highly polished on front side, regular size pen blade is nicely glazed, **stag handle,** brass lined, nickel silver hollow bolsters and shield, length when closed 3¾ in..... per dozen $15.55

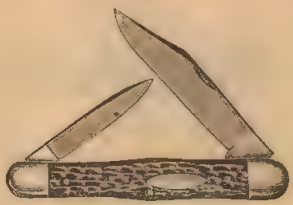
HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, fancy diagonal nickel silver bolsters, length when closed 3⅜ in.

No. C2819P Hibbard—Stag handle. per dozen $20.00
No. C2820P—Hibbard, red pearl shell celluloid handle. ..... per dozen $21.10

HALF DOZEN IN A BOX



No. C2543P—Hibbard, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ in..... per dozen $17.75

HALF DOZEN IN A BOX

OUR VERY BEST

OVB

Our Very Best
Is
The Very Best

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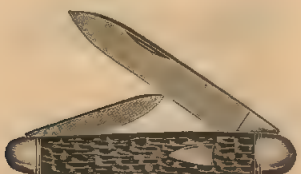
Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, fancy diagonal nickel silver bolsters and shield, length when closed 3 5/16 in.

No. C2817P Hibbard—Stag handle. per dozen $17.75

No. C2818P—Hibbard, red pearl shell celluloid handle. per dozen $18.90

HALF DOZEN IN A BOX



No. C2675P—Hibbard, two blades, large blade, highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ in. per dozen $17.75

HALF DOZEN IN A BOX

No. C2720P—Hibbard, two blades, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters, length when closed 3⅜ in. per dozen $20.00

HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3¾ inches.

No. C2593P Hibbard—Large clip and pen blade, per dozen $17.75

No. C2592P—Hibbard, large spear and pen blade, per dozen $17.75

HALF DOZEN IN A BOX

Hibbard
HARDWARE
FOR
HARD~WEAR

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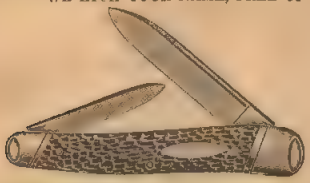
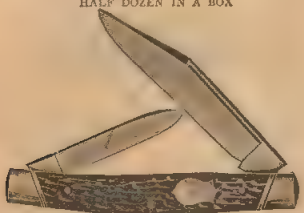


No. C2805P—Hibbard, two blades, large blade highly polished on front side, other blade nicely glazed, **stag handle,** brass lined, fancy diagonal nickel silver bolsters and shield, length when closed 3¼ in., per dozen $18.90

HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, fancy diagonal nickel silver bolsters, length when closed 3⅜ inches.

No. C2808P Hibbard—Stag handle..per dozen $17 75

No. C2809P—Hibbard, red pearl shell celluloid handle.....per dozen $20.00

HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, small blade nicely glazed, brass lined, fancy diagonal nickel silver bolsters, length when closed 3 inches.

No. C2812P Hibbard—Stag handle..per dozen $20.00

No. C2814P—Hibbard, red pearl shell celluloid handle.....per dozen $21.10

HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, other blade nicely glazed, brass lined, fancy diagonal nickel silver bolsters and shield, length when closed 3¾ inches.

No. C2807P—Hibbard, red pearl shell celluloid handle .....per dozen $20.00

No. C2806P Hibbard—Stag handle..per dozen $18.90

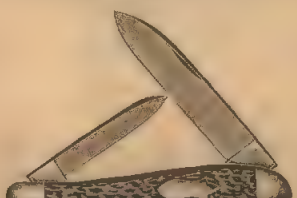
HALF DOZEN IN A BOX

Two blades, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 4 inches.

No. C2695P—Hibbard, Approved Stock Pattern, **clip and narrow spey blade** .....per dozen $21 10

No. C2701P—Hibbard, Approved Stock Pattern, **clip and pen blade** ..... per dozen $21.10

HALF DOZEN IN A BOX



Two blades, large blade highly polished on front side, small blade nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ inches.

No. C2677P—Hibbard, spear point blade, per dozen $17.75

No. C2678P—Hibbard, clip point blade, per dozen $17.75

HALF DOZEN IN A BOX

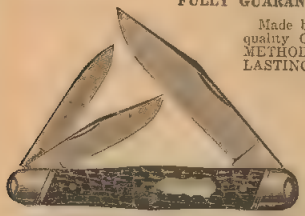
Our stock consists of a large assortment of Pocket Knives and other Cutlery. WE ILLUSTRATE OUR LEADING PATTERNS ONLY. Ask our salesman to show you samples of our complete line.

Hibbard POCKET KNIVES

FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

Made by American workmen. Blades are finest quality Crucible Steel, TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE. Sharpened, ready for use. In whetting, hold at an angle of 18 degrees, on an OIL STONE, not a grindstone.

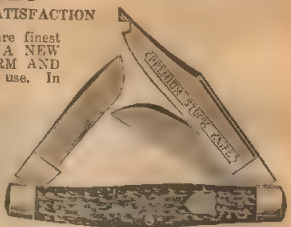
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED.



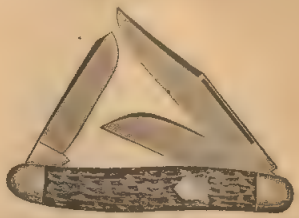
Three blades, large blade highly polished on front side, small blades nicely glazed, brass lined, fancy diagonal nickel silver bolsters and shield, length when closed 3⅝ in.
No. C2829P Hibbard —Stag handle..per dozen $26 65
No. C2830P—Hibbard, red pearl shell celluloid handle.....per dozen $26.65
HALF DOZEN IN A BOX

Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3⅜ inches.
No. C2864P Hibbard —Stag handle. per dozen $26.65
No. C2865P—Hibbard, red pearl shell celluloid handle.....per dozen $26.65
No. C2866P—Hibbard, Abalonian pearl shell celluloid handle.....per dozen $26 65
No. C2867P Hibbard —Pearl handle.per dozen $50.00
HALF DOZEN IN A BOX

Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, fancy diagonal nickel silver bolsters and shield, length when closed 3 in.
No. C2825P Hibbard —Stag handle..per dozen $25.55
No. C2826P—Hibbard, red pearl shell celluloid handle.....per dozen $26.65
HALF DOZEN IN A BOX



Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3⅜ inches.
No. C2851P Hibbard —Stag handle.per dozen $25 00
No. C2607P — Hibbard, genuine Buffalo horn handle.....per dozen $40.00
HALF DOZEN IN A BOX



Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield.
No. C2795P—Hibbard, stag handle, length when closed 3⅝ in.....per dozen $26 65
No. C2851P—Hibbard, stag handle, length when closed 3¼ in.....per dozen $25 00
No. C2852P—Hibbard, red pearl shell celluloid handle, length when closed 3¼ in....per dozen $26.65
No. C2853P—Hibbard, pearl handle, length when closed 3¼ in.....per dozen $46.65
HALF DOZEN IN A BOX

No. C2683P—Hibbard, three blades, large blade highly polished on front side, small blades nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅝ in.....per dozen **$26.65**
HALF DOZEN IN A BOX

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Hibbard POCKET KNIVES

Made by American workmen. Blades are finest quality Crucible Steel, TEMPERED BY A NEW METHOD WHICH INSURES A UNIFORM AND LASTING EDGE Sharpened, ready for use. In whetting, hold at an angle of 18 degrees, on an OIL STONE, not a grindstone.

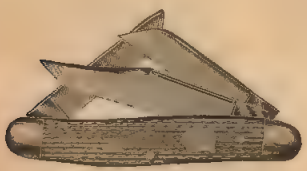
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

Exceptional and Wonderful Value—Handy and Popular Size, attractive low price, dealers make no mistake in buying several assortments of these knives. Will prove a rapid turnover.

All of these knives have 3 blades, one large clip point cutting blade, one small spey blade and one small pen blade. The large cutting blade is highly polished on front side, the small blades are nicely glazed. The linings are made of brass, the bolsters and shield are made of nickel silver, length when closed 3 in.

No. C2904P—Hibbard, assortment consists of 12 knives, **six knives** described as above **have stag handles, two knives** as above **have amber and maroon iridescent celluloid handles, two knives** as above **have gold and black iridescent celluloid handles** and **two knives** as above **have Abalonian Pearl shell celluloid handles.** Each assortment is put up in a purple silk plush lined partitioned display box.....per assortment $17.75

ONE ASSORTMENT IN A BOX

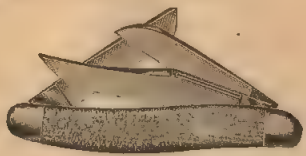


Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3⅛ in.

No. C2919P—Hibbard, gold and black iridescent celluloid handle.....per dozen $26.65

No. C2920P—Hibbard, silver and black iridescent celluloid handle.....per dozen $26.65

HALF DOZEN IN A BOX

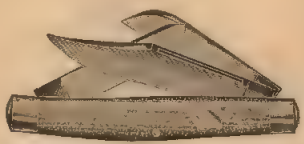


Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3⅛ in.

No. C2915P—Hibbard, golden flake celluloid handle.....per dozen $26.65

No. C2916P—Hibbard, green and red iridescent celluloid handle.....per dozen $26.65

HALF DOZEN IN A BOX

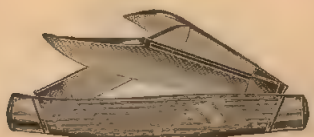


Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, nickel silver bolsters and shield, length when closed 3⅛ in.

No. C2918P—Hibbard, golden flake celluloid handle.....per dozen $26.65

No. C2917P—Hibbard, silver flake celluloid handle.....per dozen $26.65

HALF DOZEN IN A BOX



Three blades, large blade highly polished on front side, other blades nicely glazed. Brass lined, fancy nickel silver diagonal bolsters, nickel silver shield, length when closed 3⅛ in.

No. C2913P—Hibbard, silver and black iridescent celluloid handle.....per dozen $26.65

No. C2914P—Hibbard, golden amber and black iridescent celluloid handle.....per dozen $26.65

HALF DOZEN IN A BOX

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Hibbard POCKET KNIVES

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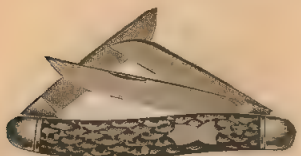
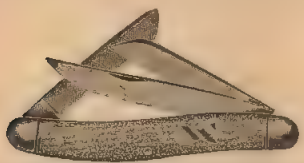
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES, WHEN REQUESTED.



No. C2945P Hibbard—Three blades, all highly crocus or full mirror polished, stag handle, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 4 in.....per dozen $35.55

HALF DOZEN IN A BOX

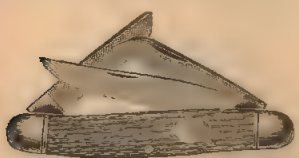


Three blades, all highly crocus or full mirror polished, nickel silver bolsters and shield, nickel silver lined, nicely milled, length when closed, 4 in.

No. C2946P Hibbard — Silver flake celluloid handle.....per dozen $35.55

No. C2947P Hibbard — Golden flake celluloid handle.....per dozen $35.55

HALF DOZEN IN A BOX



Three blades, all highly crocus or full mirror polished, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3⅞ in.

No. C2935P Hibbard—Green and Red Iridescent handle.....per dozen $33.35

No. C2934P Hibbard — Golden flake celluloid handle.....per dozen $33.35

HALF DOZEN IN A BOX

No. C2933P Hibbard—Three blades, all highly crocus or full mirror polished, stag handle, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3⅞ in.....per dozen $33.35

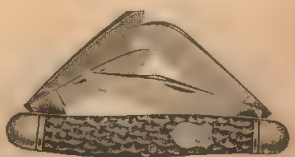
HALF DOZEN IN A BOX

Four blades, all highly crocus or full mirror polished, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3⅞ in.

No. C2944P Hibbard—Metallic silver Iridescent celluloid handle.....per dozen $40.00

No. C2943P Hibbard — Golden flake celluloid handle.....per dozen $40.00

HALF DOZEN IN A BOX



No. C2942P Hibbard—Four blades, all highly crocus or full mirror polished, stag handle, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3⅞ in.....per dozen $40.00

HALF DOZEN IN A BOX

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Hibbard POCKET KNIVES

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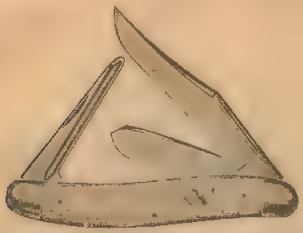
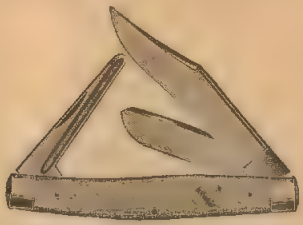
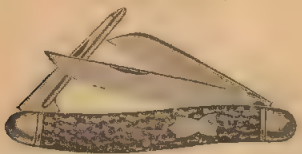


No. C2974P—Hibbard, has one large clip point blade, highly polished on front side, one spey blade and one leather punch or gouge blade nicely glazed, **golden flake celluloid** handle, brass lined, nickel silver bolsters and shield, length when closed 3¾ in.,
per dozen $26.65
HALF DOZEN IN A BOX

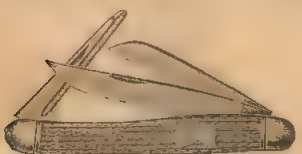


No. C2976P—Hibbard, has one large clip point blade, highly polished on front side, one spey blade and one leather punch or gouge blade nicely glazed, **silver flake celluloid** handle, brass lined, nickel silver bolsters and shield, length when closed 3¾ in.,
per dozen $26.65
HALF DOZEN IN A BOX



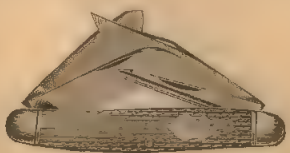
No. C2936P Hibbard—Large approved pattern clip point stock blade, spey blade and leather punch or gouge blade, all cutting blades and punch are highly crocus or **full mirror polished, stag handle,** nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 4 in.....per dozen $35.55
HALF DOZEN IN A BOX

No. C2939P Hibbard—Large clip, spey, sheeptoe and leather punch or gouge blade, all cutting blades and **punch are highly crocus or full mirror polished, stag handle,** nickel silver bolsters and shield, nickel silver lined, nicely milled, length when closed 3¾ in.,
per dozen $40.00
HALF DOZEN IN A BOX



Large approved pattern clip point stock blade, spey blade and leather punch or gouge blade, all cutting blades and punch are highly crocus or full mirror polished, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 4 in.

No. C2938P Hibbard—**Metallic red iridescent celluloid handle**.....per dozen $35.55
No. C2937P Hibbard—**Metallic silver iridescent celluloid handle**.....per dozen $35.55
HALF DOZEN IN A BOX



Large clip, spey, sheeptoe and leather punch or gouge blade, all cutting blades and punch are highly crocus or full mirror polished, nickel silver lined, nicely milled, nickel silver bolsters and shield, length when closed 3¾ in.

No. C2940P Hibbard—**Metallic red iridescent celluloid handle,** per dozen.....$40.00
No. C2941P Hibbard—**Metallic silver iridescent celluloid handle,** per dozen.....$40.00
HALF DOZEN IN A BOX

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Hibbard POCKET KNIVES

FULLY GUARANTEED TO GIVE PERFECT SATISFACTION

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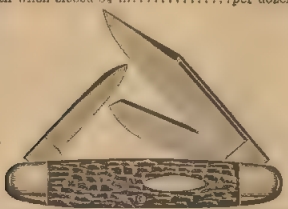
WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED

No. C2797P— Hibbard, three blades, large blade, highly polished on front side, other blades nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅝ in.....per dozen **$26.65**



No. C2643P— Hibbard, three blades, large blade highly polished on front side, other blades nicely glazed, **stag handle,** brass lined, steel bolsters, nickel silver shield, length when closed 3⅜ in.....per dozen **$23.35**

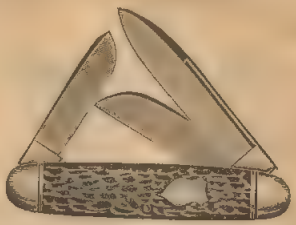
HALF DOZEN IN A BOX

Cork Screw and Crown Cap Bottle Opener

A handy pocket knife for anyone that likes to take home made drinks or preserves on their auto, camping, hunting or fishing trips. Many trips into the open are spoiled because the corkscrew or bottle opener were forgotten. No outing or hip pocket complete without one of these valuable knives.

No. C2977P Hibbard—Has one large substantial cutting blade, highly polished on front side, one crown cap bottle opener blade and one cork screw blade, Stag Handle, brass lined, nickel silver tips and shield, length when closed 3⅜ in.....per dozen **$26.65**

HALF DOZEN IN A BOX



Three blades, large blade highly polished on front side, other blades nicely glazed, brass lined, length when closed 3⅜ in.

No. C2654½P— Hibbard, **gray pearl shell celluloid handle,** nickel silver bolsters and shield, per dozen **$30.00**

HALF DOZEN IN A BOX

No. C2796P— Hibbard, three blades, large blade highly polished on front side, other blades nicely glazed, **stag handle,** brass lined, nickel silver bolsters and shield, length when closed 3⅜ in.....per dozen **$26.65**

HALF DOZEN IN A BOX

OUR VERY BEST

Our Very Best
Is
The Very Best

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Hibbard POCKET KNIVES

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WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED.

A Phenomenal Pocket Knife Bargain Genuine American Made Premium Stock Knives.

Note Extremely Low Prices. Excellent Values. Hibbard Finest Quality. Unconditionally Warranted.

We offer this wonderful assortment of American PREMIUM STOCK FARMERS' KNIVES at a very low price. They are ideal knives for farmers, stock and cattle men and also dandy knives for the mechanic and all-around handy man.

The coming of THE SEASON for calves, pigs, lambs and colts, brings the demand for these knives—timely items for your cutlery stock, which should be PUSHED NOW. The farmer, stockman, sheepman and veterinary are your prime market for Speying, Docking and Marking Knives.

MADE IN AMERICA—ALL BLADES STAMPED WITH OUR FIRM NAME

HIBBARD, SPENCER, BARTLETT & CO.

Can be retailed at $1.75 each and Give Every Merchant a Fat Profit. OUR EXTREMELY LOW PRICE HAS PRE-WAR PRICES BEATEN.

The blades are made of the finest Wardlow's English Crucible Pocket Knife Steel, tempered, ground and whetted to a sharp and lasting edge. Nickel silver bolsters and shield, brass linings.

These knives measure about 4 inches over all when the blades are closed. Have one large serviceable clip point blade, the front side of which is crocus or mirror polished.

Also one standard size sheep toe or tobacco blade and one APPROVED PATTERN standard size and popular speying blade for stock raisers' or farmers' particular use. All blades handsomely finished and insides of knives nicely cleaned and polished.

The inside and outer linings of these knives are made of extra heavy gauge highly polished AMERICAN brass.

No. C2903P—Hibbard ASSORTMENT consists of one dozen Premium Stock Knives assorted as follows: 2 with Iridescent Blue Pearl Shell handles, 2 with Dapple Gray Iridescent Silver Pearl Shell handles, 2 with Mottled Green Turquoise Pearl Shell handles, 6 with highly-finished American stag handles; put up in a handsome partitioned display box; Silk Velvet lined .....per assortment $23.35

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WE ETCH YOUR NAME, FREE OF CHARGE, ON THESE KNIVES WHEN REQUESTED.

A Wonderful Pocket Knife Assortment. American Premium Stock Pocket Knives. Note Extremely Low Price. Excellent Values. Finest Quality. Unconditionally Warranted.

We offer this very meritorious assortment at a very attractive price. The ideal knives for farmers, stock and cattle men, also dandy knives for the mechanic and all around handy man.

The coming of the season and of the calves, pigs, lambs and colts, brings the demand for Premium Stock Knives—timely items in your cutlery stock which should be pushed now. The farmer, stockman, sheepman and veterinary are your prime market for Speying, Docking and Marking knives.

Made in America. All blades stamped with firm name, Hibbard, Spencer, Bartlett & Co.

CAN BE RETAILED AT $2.00 EACH AND GIVE DEALER HIS FULL PROFIT. HAS PRE-WAR PRICES BEATEN.

Blades are made of the finest Wardlows Crucible Pocket Knife Steel, tempered, ground and whetted to a sharp and lasting edge. Nickel silver bolsters and shield, brass linings.

These Knives Measure 4 inches over all when Blades are closed. Have one large serviceable clip point blade the front side of which is crocus or mirror polished and handsomely etched "PREMIUM STOCK KNIFE."

Also one standard size sheep toe or tobacco blade and one approved pattern standard size and popular speying blade for stock raisers or farmers particular use. All blades handsomely finished and inside of knives nicely cleaned and polished.

No. C2793P—Hibbard ASSORTMENT, consists of one dozen Premium stock knives assorted as follows—3 each with Tortoise shell celluloid handles, Iris Pearl shell celluloid handles, Green Pearl shell celluloid handles, and Stag handles. Put up in a handsome partitioned display box. Silk velvet lined .. ..per assortment $23.35

ONE ASSORTMENT IN A BOX

ULSTER POCKET KNIVES

Assortment No. 1950

Easel Back Case Has Mahogany Finish Frame with Glass Front, Divided into 48 Compartments Lined with Green Plush. Case is Furnished with a Lock and Key. Size of Case: 22 Inches High, 16¼ Inches Deep.

Assortment Consists of 6⅓ Dozen Knives, All of Ulster Knife Co.'s Make

Assortment Includes One-Third Dozen each of the following:

Nos.	Per Dozen
231	
232	
241	
250	
270	
2349	
2349½	
2352	
2352½	
2360	
2361	
2407	
2408	
2414	
2481	
2492	
2525	
2526	
2543	

All Jack Knives in this Assortment. They Can Be Retailed At $1.00 Each

PER ASSORTMENT

No. 1950—ASSORTMENT OF 6⅓ DOZEN JACK KNIVES INCLUDING CASE

No. 231

2 Blades, 3⅛ Inches. Stag Handle. Brass Lined. Steel Bolster. Easy Opener.

No. 2408

2 Polished Blades, 3⅝ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Easy Opener.

No. 233

2 Blades, 3⅝ Inches. Cocobola Handle. Brass Lined. German Silver Bolster. Polished Blades.

No. 2414

2 Polished Blades, 3⅛ Inches. Ebony Handle. Brass Lined. Steel Bolster and Cap.

No. 241

2 Blades, 3½ Inches. Stag Handle. Brass Lined. Steel Bolster. Spear Point.

No. 260

2 Blades, 3¼ Inches. Ebony Handle. Brass Lined. German Silver Bolsters.

No. 270

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster

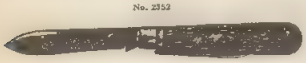
No. 2349

2 Blades, 3¼ Inches. Cocobola Handle. Brass Lined. Steel Bolster and Cap

No. 2349¾

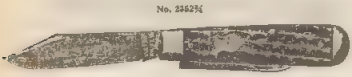
2 Blades, 3¼ Inches, Cocobola Handle. Brass Lined. Steel Bolster and Cap.

No. 2352



2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Spear Point.

No. 2352¾

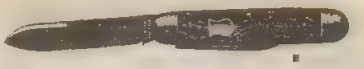


2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Clipped Point.

No. 2360

2 Blades, 3¼ Inches Ebony Handle. Brass Lined. Steel Bolster and Cap. Polished Blade.

No. 2361



2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades

No. 3407

2 Polished Blades, 3¼ Inches. Cocobola Handle. Brass Lined. Steel Bolster and Cap. Easy Opener.

2 Polished Blades, 3¼ Inches. Gold Celluloid Handle. Brass Lined. German Silver Bolster and Cap. Easy Opener.

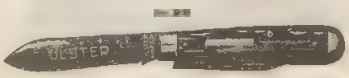
2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

No. 2523

2 Blades, 3¼ Inches. Cocobola Handle. Brass Lined. Steel Bolster and Cap.

No. 2545

2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap.



2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap.

ULSTER POCKET KNIVES — ASSORTMENT No. X100

Case Has Mahogany Finish Frame with Glass Front, Divided into 48 Compartments Lined with Green Plush. Case is Furnished with a Lock and Key. Size of Case 14 Inches High, 17 Inches Wide, 30½ Inches Long.

Assortment consists of 11 1/8 dozen Knives, All Brass Lined and All of Ulster Knife Co's Make. The Assortment is as Follows:

One-Sixth Dozen Each:

Nos. Per Dozen	Nos. Per Dozen
0263	2547
03121	2557
02195	3112
02198	3155
02152	3099
02153	4021
02156	4063LS
02180	4099
2544	4180

One-Third Dozen Each:

Nos. Per Dozen	Nos. Per Dozen
269	2133S
272	2135S

Half-Dozen Each

Nos. Per Dozen $	Nos. Per Dozen $
2300	2437
2314	2482
2320	2495
2362	2526
2361	2543½
2408	2563
2431	

Pen and Jack Knives in this Assortment. They can be retailed at 75c to $2.50 Each

No. X100 (Assortment of 11 1 6 Dozen Knives) Including Case - - -

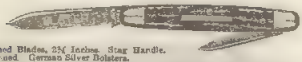
No. 0263

2 Polished Blades, 3½ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02121—Without Ring No. 02196—With Ring

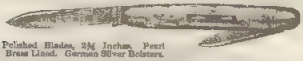
2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02198



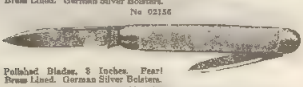
2 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02153—3 Inches No. 02152—2¾ Inches



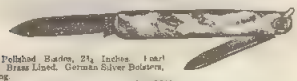
2 Full Polished Blades, 2¾ Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 02156



2 Full Polished Blades, 3 Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 02180



2 Full Polished Blades, 2½ Inches. Pearl Handle. Brass Lined. German Silver Bolsters, wishbone.

No. 2544

2 Polished Blades, 3 Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

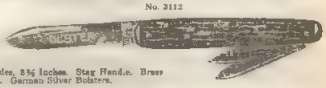
No. 2547

2 Full Polished Blades, 3⅛ Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

No. 2557

2 Polished Blades, 3½ Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

No. 3112

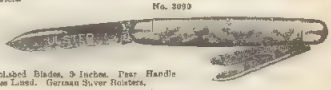


3 Blades, 3⅛ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 3155

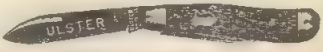
3 Polished Blades, 3 Inches. Stag Handle. German Silver Lined. German Silver Bolsters.

No. 3099



3 Polished Blades, 3 Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 2431



2 Blades, Polished, 3 Inches. Golden Celluloid Handle. Brass Lined. German Silver Bolster and Cap.

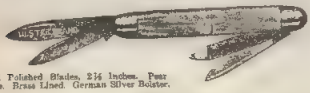
No. 4021

4 Full Polished Blades, 2¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 4063L5

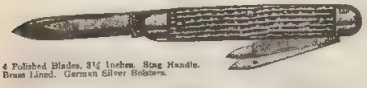
4 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters. One Large Polished Cutting Blade, One Can Opener, One Screw-Driver and Decapper, and One Belt Punch.

No. 4063



4 Full Polished Blades, 2⅛ Inches. Pear Handle. Brass Lined. German Silver Bolster.

No. 4100



4 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 269

2 Blades, 2¼ Inches. Stag Handle. Brass Lined. Steel Bolster. Belt Punch Blade

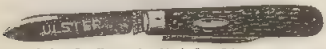
No. 272

2 Blades, 3¼ Inches. Brass Handle. Easy Opener.

No. 2888

2 Blades, 3¼ Inches. Stag Handle. Iron Lined. Steel Bolster. Spear Point.

No. 2133B



2 Blades, 3¼ Inches. Stag Handle. Iron Lined. Spear Point.

No. 2135B

2 Blades, 3¼ Inches. Stag Handle. Iron Lined.

No. 2400

2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

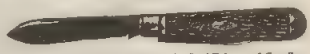
No. 2214

2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

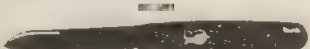
No. 2329

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Polished Blades.

No. 2362

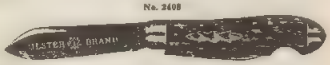


2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Spear Point



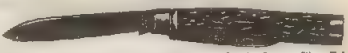
2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

No. 2408



2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Easy Opener.

No. 2437



2 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2492

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2536

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

No. 2543¾

2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Clipped Point.

No. 2549

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Easy Opener. Large Blade, Polished one Side.

ULSTER POCKET KNIVES

ASSORTMENT No. X050

Case Has Mahogany Finish Frame with Glass Front, Divided into 48 Compartments Lined with Green Plush. Case is Furnished with a Lock and Key. Size of Case: 22 Inches High, 16¾ Inches Deep.

Assortment Consists of 6⁵⁄₁₂ Dozen Knives, All Brass Lined and of Ulster Knife Co.'s Make as Follows.

One-Twelfth Dozen Each.

Nos.	Per Dozen	Nos.	Per Dozen
0263		2547	
02121		2567	
02196		3112	
02198		3155	
02152		3200	
02153		4021	
02156		4063LS	
02180		4068	
2544		4100	

One-Sixth Dozen Each.

Nos.	Per Dozen	Nos.	Per Dozen
269		21323	
272		21363	
2303			

Quarter-Dozen Each.

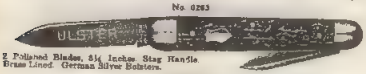
Nos.	Per Dozen	Nos.	Per Dozen
2300		2437	
2314		2462	
2320		2496	
2352		2520	
2361		2543½	
2402		2563	
2431			

PER ASSORTMENT

Pen and Jack Knives in this Assortment. They can be retailed at from $.75 to $2.50 Each

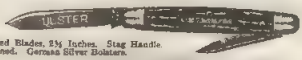
No. X050—Assortment of 5⁷⁄₁₂ Dozen Knives, Incl. Case

No. 0263



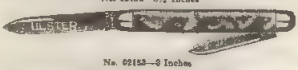
2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02198

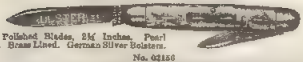


2 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02152 -2½ Inches

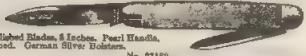


No. 02153—3 Inches



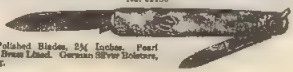
Full Polished Blades, 2¾ Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 02156



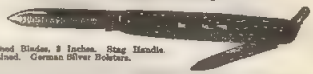
2 Full Polished Blades, 3 Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 02180



2 Full Polished Blades, 2¾ Inches. Pearl Handle. Brass Lined. German Silver Bolsters, with Ring.

No. 02123—Without Ring
No. 02196—With Ring

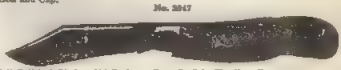


2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 2544

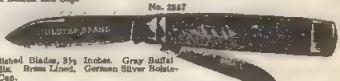
2 Polished Blades, 3 Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

No. 2547



2 Full Polished Blades, 3½ Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

No. 2567



2 Polished Blades, 3½ Inches. Gray Buffalo Handle. Brass Lined. German Silver Bolster and Cap.

No. 3112

3 Blades, 3¾ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No 3155

3 Polished Blades, 3 Inches. Stag Handle. German Silver Lined. German Silver Bolsters.

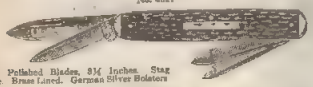
No. 3090

3 Polished Blades, 3 Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

No. 2431

2 Blades, Polished, 3 Inches. Golden Celluloid Handle. Brass Lined. German Silver Bolster and Cap.

No. 4021

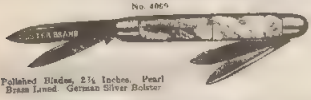


Full Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 4063L5

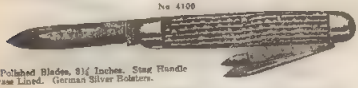
4 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters. One Large Polished Cutting Blade, one Can Opener, One Screw-Driver and Decapper, and One Belt Punch.

No. 4069



4 Full Polished Blades, 2¼ Inches. Pearl Handle. Brass Lined. German Silver Bolster

No 4106

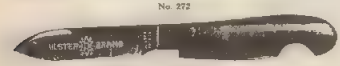


4 Polished Blades, 3¼ Inches. Stag Handle Brass Lined. German Silver Bolsters.

No. 269

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster. Belt Punch Blade.

No. 272

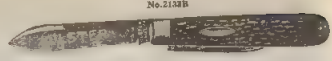


2 Blades, 3¼ Inches. Brass Handle Easy Opener.

No. 2538

2 Blades, 3¼ Inches. Stag Handle. Iron Lined. Steel Bolster. Spear Point.

No. 2133B

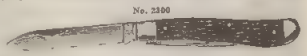


2 Blades, 3¼ Inches. Stag Handle. Iron Lined. Spear Point.

No 2135B

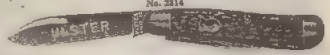
2 Blades, 3¼ Inches. Stag Handle. Iron Lined.

No. 2300



3 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2314

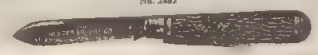


2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2820

2 Blades, 3¼ Inches Stag Handle. Brass Lined. German Silver Bolster and Ca Polished Blades.

No. 2853



2 Blades 3¼ Inches. Stag Handle Brass Lined Steel Bolster and Cap Spear Point.

No 2861

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

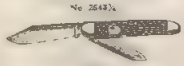
No. 2406

2 Polished Blades, 3⅝ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Easy Opener.

No 2437

2 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No 2543¾



2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Clipped Point.

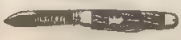
No. 2563

2 Blades, 3¼ Inches. Stag Handle. Brass Lined German Silver Bolster and Cap. Large Blade, Polished One Side.

No 2492

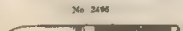
2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades

No. 2536



2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster and Cap. Polished Blades.

No 2496



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined German Silver Bolster and Cap.

ULSTER POCKET KNIVES ASSORTMENT No. X36

Case Has a Mahogany Finish Frame with a Heavy Glass Front Divided Into 36 Compartments. There are 4 Trays of 9 Compartments Each. Furnished with Lock and Key Size of Case, 17 Inches Long, 8 Inches Wide and 4 Inches Deep.
Assortment Consists of 4 7/12 Dozen Knives of 36 Patterns. All Have 2 Blades and All are Brass Lined.

Nos.	Twelfth-Dozen Each: Per Dozen	Nos.	Per Dozen
0249		02217	
0253		02222	
0299		02230	
02118		02260	
02127		02252	
02167		02253	
02172		2201	
02199		2382	
02216			

Nos.	Sixth-Dozen Each: Per Dozen	Nos.	Per Dozen
0253		02299	
02120		02215	
02121		02220	
02123		2300	
02128		2314	
02148		2320	
02189		2437	
02196		2490	
02198		2502	
02282			

PER ASSORTMENT

Pen and Jack Knives in this Assortment. They can be Retailed at $1.00 Each

No. X36—Assortment of 4 7/12 Dozen Knives, including Case . . . .

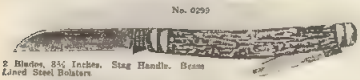
No. 0249

2 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters. Large Blade Polished One Side.

No. 0253

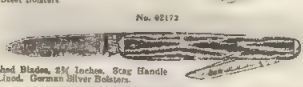
2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 0299



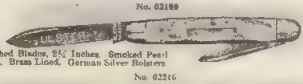
2 Blades, 3½ Inches. Stag Handle. Brass Lined Steel Bolsters.

No. 02172



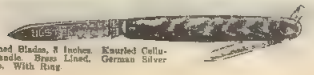
2 Polished Blades, 2¾ Inches. Stag Handle Brass Lined. German Silver Bolsters.

No. 02199



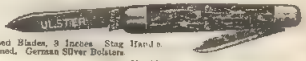
2 Polished Blades, 2¾ Inches. Smoked Pearl Handle. Brass Lined. German Silver Bolsters.

No. 02216



2 Polished Blades, 3 Inches. Knurled Celluloid Handle. Brass Lined. German Silver Bolsters. With Ring.

No. 02118



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

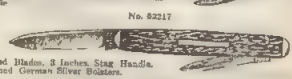
No. 02127

2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02167 No. 02253—Shrine Emblem on Handle

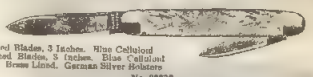
2 Blades, Polished, 3½ Inches. Pearl Celluloid Handle. Brass Lined. Masonic Emblem on Handle.

No. 02217



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined German Silver Bolsters.

No. 02222

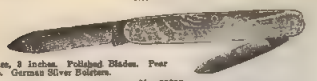


2 Polished Blades, 3 Inches. Blue Celluloid 2 Polished Blades, 3 Inches. Blue Celluloid Handle. Brass Lined. German Silver Bolsters.

No. 02230

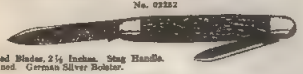
2 Polished Blades, 3½ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02260



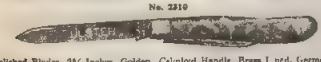
2 Blades, 3 Inches. Polished Blades. Pear Handle. German Silver Bolsters.

No. 02282



2 Polished Blades, 2¼ Inches. Stag Handle. Brass Lined. German Silver Bolster.

No. 2310



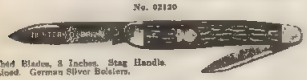
2 Polished Blades, 2¾ Inches. Golden Celuloid Handle. Brass Lined. German Silver Bolster and Cap.

No. 2562

2 Blades, 2½ Inches. Stag Handle. Brass Lined. German Silver Bolsters and Caps. Silver Cap Blade, Polished One Side Large Blade.

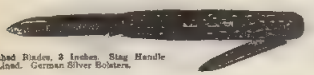
2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02130



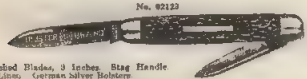
2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02121



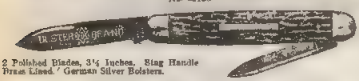
2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02123



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02128



2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02130

2 Polished Blades, 3¼ Inches. Rainbow Celluloid Handle. Brass Lined. German Silver Bolsters.

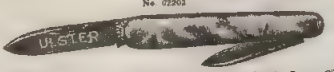
No. 02136

2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters, With Ring.

No. 02138

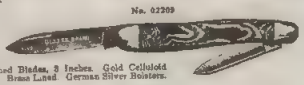
2 Polished Blades, 2¼ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 02202



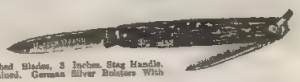
2 Polished Blades, 3¼ Inches. White Celluloid Handle. Brass Lined. German Silver Bolsters.

No. 02209



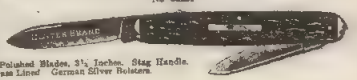
2 Polished Blades, 3 Inches. Gold Celluloid Handle. Brass Lined. German Silver Bolsters.

No. 02218



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolsters With Ring.

No. 02220

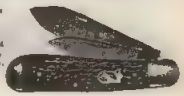


2 Polished Blades, 3½ Inches. Stag Handle. Brass Lined. German Silver Bolsters.

No. 2360

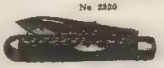
2 Polished Blades, 2½ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2314



2 Polished Blades, 3 Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2520

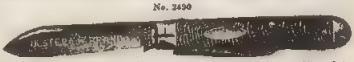


2 Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Polished Blades.

No. 2487

2 Polished Blades, 2¾ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap.

No. 2490

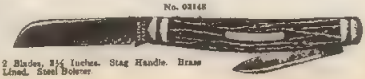


2 Blades, 3¼ Inches. Rainbow Celluloid Handle. Brass Lined. German Silver Bolster and Cap. Polished Blades.

No. 2563

2 Polished Blades, 3¼ Inches. Stag Handle. Brass Lined. German Silver Bolster and Cap. Easy Opener. Large Blade Polished One Side.

No. 02148



2 Blades, 3¼ Inches. Stag Handle. Brass Lined. Steel Bolster.

POCKET KNIFE BLADE SHAPES

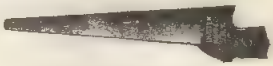
ULSTER KNIFE CO.

Cuts about ⅞ Actual Size

NAIL, No. 10

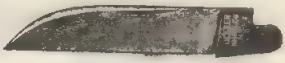
FILE, No. 9

SQUARE POINT PEN, No. 6



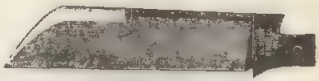
BELT OR LEATHER PUNCH No. 13

PEN, No. 11

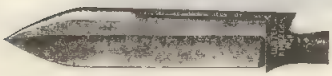


WHARNCLIFFE, No. 5

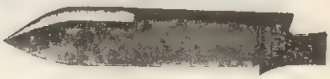
SPEY, No. 8



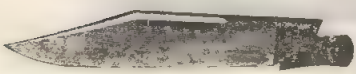
SHEEP FOOT, No. 4



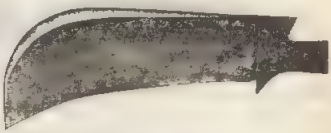
SABER, No. 7



SPEAR, No. 2



CLIP, No. 3



PRUNING, No. 1

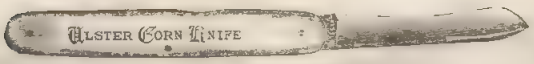
SPATULA, No. 12

Ulster Pocket Knives are made of Wardlow's English Crucible Steel, which is considered the highest grade for pocket knife blade purposes. They are made by skilled American workmen and are unexcelled for quality, style and finish

Every Knife Warranted

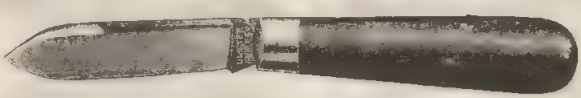
POCKET KNIVES

ULSTER KNIFE COMPANY



No. 199—One Blade, 3¼ Inches. **White Celluloid** Handle German Silver Lining Corn Knife $ Per Dozen

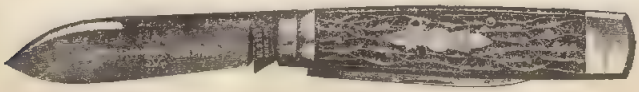
No. 102¼—One Blade, 3¼ Inches. **Iron** Handle. Sheeping Blade.. $ Per Dozen



No. 1001—One Blade, 3¼ Inches. **Cocobola** Handle Iron Lined..... $ Per Dozen

No. 183—One Blade, 3¼ Inches. **Cocobola** Handle. Iron Lined. Sheeping Blade..... $ Per Dozen

No. 2133—2 Blades, 3¼ Inches **Stag** Handle Iron Lined, Spear Point $ Per Dozen



No. 2453—2 Polished Blades, 3¼ Inches **Stag** Handle, Brass Lined, German Silver Bolster and Cap
No. 2557 2 Polished Blades, 3¼ Inches **Gray Buffalo** Handle, Brass Lined German Silver Bolster and Cap $ Per Dozen

All the Above Knives Packed Half-dozen in a Box.

POCKET KNIVES

ULSTER KNIFE COMPANY

No. 191

No. 1170

No. 106

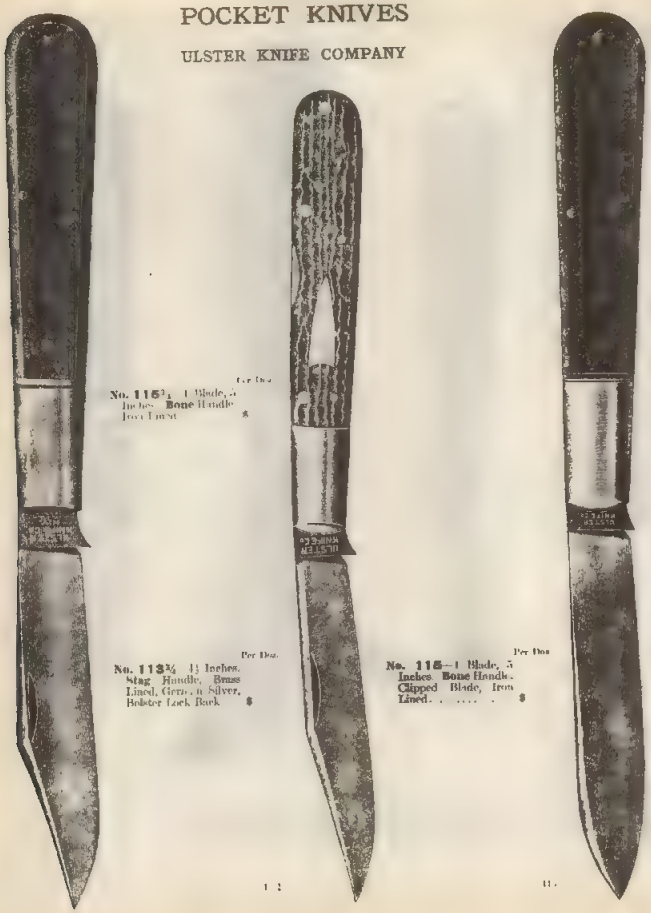
No. 104

	Per Dozen $
No. 191—One Blade, 3¾ Inches. **Bone** Handle, Iron Lined.	
No. 1170—One Blade, 3¼ Inches. **Cocobola** Handle Race Knife, Iron Lined, Steel Bolster	
No. 106—1 Blade, 4¾ Inches. **Cocobola** Handle. Iron Lined, Steel Bolster, **Pruning** Blade.	

All the Above Knives Packed Half-dozen in a Box.

POCKET KNIVES

ULSTER KNIFE COMPANY



Per Doz.

No. 113¾ 4¼ Inches. Stag Handle, Brass Lined, German Silver, Bolster Lock Back . . . $

Per Doz.

No. 115¾ 4 Blade, 3¼ Inches. Bone Handle, Iron Lined . . . $

Per Doz.

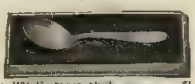
No. 115 4 Blade, 3 Inches. Bone Handle, Clipped Blade, Iron Lined . . . . . $

1847 ROGERS BROS.

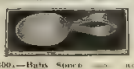
AMBASSADOR PATTERN

GREY FINISH

No. H84101—Tea Spoons, set of six $4.59
No. H84102—Soup Spoons, oval bowl, set of six 8.87
No. H84104—Soup Spoons, round bowl, set of six 9.18
No. H84105—Table Spoons, set of six 9.18



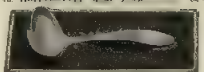
No. H84107—Sugar Shell $1.54



No. H84108—Bon Spoon, nickle $1.22

No. H84105—Berry or Salad Spoon $3.98

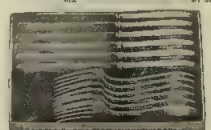
No. H84110—Pie or Cake Server, nickle $2.46



No. H84107—Gravy Ladle $3.06

No. H84104—Jelly Knife or Server, each $2.14

No. H84012—Iced Tea Spoons, set of six $7.36

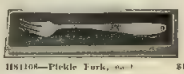


No. H84121—Six each Dinner Knives, Dinner Forks and Flat Forks, set $23.54
No. H84121S—Above set, Knives with Stainless blades, set 24.82

No. H84102—Butter Spreaders, set of six $7.68

No. H84103—Dinner Forks, flat, set of six $ 9.18
No. H84101—Dinner Knives, hollow handle, French Gadroon pattern, set of six 13.35
No. H84102S—Dinner Knives, hollow handle, Stainless French Blades, set of six 13.65
No. H84111—Individual Salad Forks, set of six 9.18

No. H84124—Butter Knife $1.54



No. H84106—Pickle Fork, each $1.84

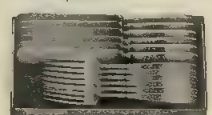
No. H84113—Oyster Forks, set of six $5.52

No. H84125—Tomato or Cucumber Server, each $3.98

No. H84105—Ice Cream Forks, set of six $7.36

No. H84124—Pie or Ice Cream Server, Pistol handle style $5.52

No. H84138S—Bird or Steak Set, 2 pcs. set $10.44
No. H84130S—Meat Carving Set, 2 pcs. set 20.86



No. H84113—Six each Meat Server, Dinner Knives and Forks, set $35.70
No. H84145S—Above set, Knives with Stainless blades, set 38.42

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

HERALDIC PATTERN

GREY FINISH

No. H81101—Tea Spoons, set of six $4.59
No. H81102—Soup Spoons, oval bowl, set of six 8.87
No. H81104—Soup Spoons, round bowl, set of six 9.18
No. H81103—Table Spoons, set of six 9.18
No. H81005—Bouillon Spoons, set of six 8.87

No. H81401—Butter Knife and Sugar Shell, set $3.00
No. H81017—Sugar Shell, Each 1.54
No. H81201—Butter Knife, Each 1.54

No. H81003—Berry or Salad Spoon, Each $3.98

No. H81103—Cold Meat Fork, Each $2.46

No. H81227—Gravy Ladle, Each $3.06

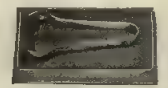
No. H81014—Orange or Grape Fruit Spoons, Set of six $6.45

No. H81421—Six of each, Heavy Handle Dinner Knives and Meat Forks, Set $23.54
No. H814218—Above Set Knives with Stainless Blades, set 24.82

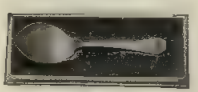
No. H81001—Baby Spoon, Each $1.22

No. H81105—Dinner Forks flat, set of six $9.18
No. H81401—Dinner Knives, London plate oil handles, Set of six 14.35
No. H814028—Dinner Knives, hollow handles, with Stainless Steel Blades, set of six 16.65

No. H81008—Coffee Spoons, set of six, Set $4.59



No. H81227—Sugar Tongs, Each $2.46

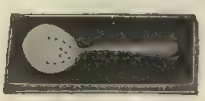


No. H81204—Jelly Knife or Server, Each $2.14

No. H81108—Pickle Fork, Each $1.84

No. H81254—Pie or Ice Cream Server, Hollow Handle, Each $5.52

No. H81202—Butter Spreaders, Set of six, Set $7.68



No. H81252—Tomato or Cucumber Server, Each $5.98

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

SILVERPLATE
ANCESTRAL PATTERN

Pieces not shown nor listed can be furnished

A striking pattern that befits the finest silverplate used by generations of fastidious hostesses. All fancy pieces are supplied, singly or in sets, in white kid-finish boxes, blue velvet-lined, without extra charge

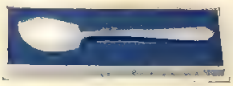
All 1847 ROGERS BROS. Silverplate is wrapped in anti-tarnish parchment

STAPLES

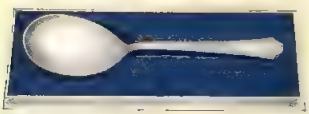
		Per Dozen
C8601	Tea Spoons	$8.80
C8602	Dessert or Oval Soup Spoons	12.00
C8603	Table or Serving Spoons	17.60
C8604	Soup Spoons, Round Bowl	17.60
C86005	Bouillon Spoons (in velvet-lined box)	17.00
C86006	Cereal Spoons (in velvet-lined box)	17.50

FORKS

C8605	Dinner, Flat Handle	$ 7.00
C8606	Dessert or Luncheon, Flat Handle	12.00



C86204 Jelly Knife or Server ..... Each $2.00



C86003 Berry or Salad Spoon ..... Each $3.52
C86004 Berry Spoon, small ..... Each 3.04

C86017 Sugar Shell ..... Each $1.40

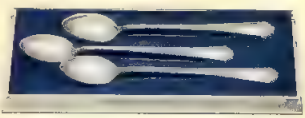
Per Set
C86483s Six each S. H. Dinner Knives Stainless French, and Flat Forks $17.50
C86483 Above, Plated Blades 15.00

TEA SPOON
Actual Size

KNIVES

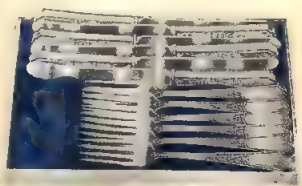
		Per Dozen
C86402s	Dinner, H. H., Stainless French	$19.00
C86401	Dinner, Hollow Handle, Plated	27.52
C86404	Dessert or Luncheon, H. H., Plated	27.24
C86406s	Fruit, H. H., Stainless, S & S	27.52
C86471	Dinner, Solid Handle, Plated	12.52
C86472s	Dinner, S. H., Stainless French	17.52
C86474	Dessert or Luncheon, S. H., Plated	12.24
C86475s	Fruit, S. H., Stainless Blades	15.04

C86103 Cold Meat Fork, large Each $2.35
C86104 Cold Meat Fork, small Each 2.06



C86012 Iced Tea Spoons ..... Dozen $14.12

C86201 Butter Knife ..... Each $1.46
C86301 Butter Knife and Sugar Shell Per Set 2.04



Per Set
C86421s Six each H. H. Dinner Knives, Stainless French and Flat Forks $32.80
C86422s Half Doz. Tea Knives, Stainless, and Flat Fks. 20.16

1847 ROGERS BROS.
SILVERPLATE

ANCESTRAL PATTERN

Pieces not shown nor listed can be furnished.

All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet-lined, without extra charge.

C86108 Pickle Fork, 6 inch ..... Each $2.75

C86013 Olive Spoon ..... Each $2.50

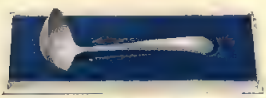
H. H. Carving Sets with Stainless Blades

	Per Set
C86439s Bird or Steak Set, 2 pieces	$10.00
C86436s Meat Carving Set, 3 pieces	20.00
C86437s Game Set, 2 pieces	15.00

C86304 Baby Spoon and Fork, short....Per Set	$2.50
C86002 Baby Spoon, short handle .....Each	1.25
C86101 Baby Fork, short handle .....Each	1.25

C86008 Coffee Spoons ..... Dozen $8.50

C86202 Butter Spreaders ..... Dozen $14.75

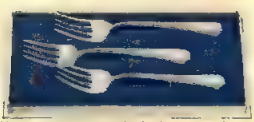


C86227 Gravy Ladle	Each	$2.00
C86226 Cream Ladle	Each	2.50

C86252 Tomato or Cucumber Server ..... Each $3.50

C86014 Orange or Grape Fruit Spoons Dozen $12.50

C86105 Ice Cream Forks ..... Dozen $14.00



C86111 Salad Forks, Individual .....Dozen $17.50

C86254 Pie or Ice Cream Server, H. H.....Each $5.50

1847 ROGERS BROS.

SILVERPLATE

ANNIVERSARY PATTERN

Pieces not shown nor listed can be furnished.

Colonial design suggesting cordial hospitality and the atmosphere of family reunion.

All fancy pieces are supplied, singly or in sets, in white kid-finish boxes, blue velvet-lined, without extra charge

STAPLES

		Per Dozen
C8501	Tea Spoons	$8.80
C8502	Dessert or Oval Soup Spoons	17.60
C8503	Table or Serving Spoons	17 60
C8504	Soup Spoons, Round Bowl	17 60
C85005	Bouillon Spoons (in velvet-lined box)	17 00

FORKS

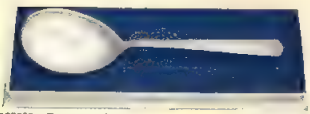
C8505	Dinner, Flat Handle	$17 60
C8506	Dessert or Luncheon, Flat Handle	17 00
C85478	Dinner, Solid Handle	12.52
C85479	Dessert or Luncheon, Solid Handle	12 24

All 1847 ROGERS BROS. Silverplate is wrapped in anti-tarnish parchment.

KNIVES

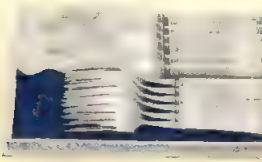
		Per Dozen
C85402s	Dinner, H. H., Stainless French	$20 00
C85401	Dinner, Hollow Handle, Plated	27 52
C85404	Dessert or Luncheon H. H., Plated	27 24
C85403	Breakfast, H. H., Plated	27 52
C85406s	Fruit, H. H., Stainless, S. & S.	27 52
C85472s	Dinner, S. H., Stainless French	17 52
C85471	Dinner, Solid Handle, Plated	12 52
C85474	Dessert or Luncheon, S. H. Plated	12 24
C85475s	Fruit, S. H., Stainless Blades	17 60

C85017 **Sugar Shell** ..... Each $1.46
C85301 **Butter Knife and Sugar Shell** . Per Set 2 92



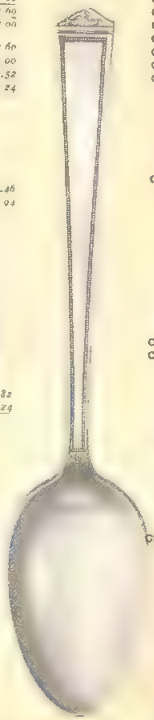
C85003 **Berry or Salad Spoon** ..... Each $3.32
C85004 **Berry Spoon, small** ..... Each 3.24

C85204 **Jelly Knife or Server** ..... Each $2.06



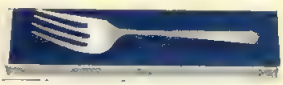
Per Set

C85481s Six each S. H. Dinner Knives, Stainless French Blades, and Forks $15.02
C85483s S.H. Din. Kvs., Stainless Fr., and F. Fks. 7 46

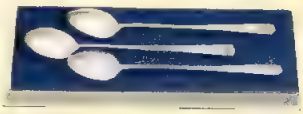


TEA SPOON
Actual Size

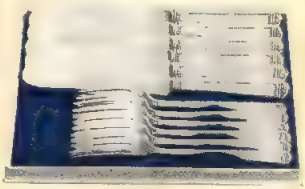
C85201 **Butter Knife** ..... Each $1.46



C85103 **Cold Meat Fork, large** Each $2 46
C85104 **Cold Meat Fork, small** Each 2 06



C85012 **Iced Tea Spoons** Dozen $11 00



Per Set

C85421s Six each H. H. Dinner Knives, Stainless French Blades, and Flat Forks . $23.30
C85424s H. H. Breakf. Kvs., St. Fr. and F. Des. Fks. 23.50

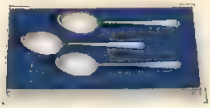
1847 ROGERS BROS.
SILVERPLATE
ANNIVERSARY PATTERN

Pieces not shown nor listed can be furnished.

All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet-lined, without extra charge.

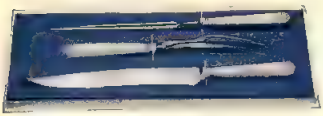
C85103 **Pickle Fork,** short . . . . Each $1.76

C85303 **Baby Spoon, bent handle, and Food Pusher** . . . . . Per Set $2.16
C85001 **Baby Spoon, bent handle** Each 1.28
C85276 **Food Pusher** Each 1.18



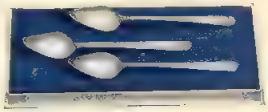
C85008 **Coffee Spoons** . . . . . Dozen $8.80

C85227 **Gravy Ladle** . . . . . Each $2.64
C85226 **Cream Ladle** Each 2.36



H. H. Carving Sets with Stainless Blades Per Set
C85436s **Meat Carving Set,** 3 pieces $20.00
C85437s **Game Set,** 2 pieces . 15.12
C85438s **Bird or Steak Set,** 3 pieces 14.36
C85439s **Bird or Steak Set,** 2 pieces 10.00

C85111 **Salad Forks, Individual** . . . . Dozen $17.60



C85014 **Orange or Grape Fruit Spoons** Dozen $12.36

C85304 **Baby Spoon and Fork, short handles,** Per Set $3.36
C85002 **Baby Spoon, short handle** Each 1.28
C85101 **Baby Fork, short handle** . Each 1.18

C85202 **Butter Spreaders** . . . . . Dozen $14.72

C85252 **Tomato or Cucumber Server** . . . . . Each $3.82

Per Set
C85356 **Child's Set,** 3 pieces, Solid Handle Knife $2.94
C85353 **Child's Set,** 3 pieces Hollow Handle Knife 4.12
C85352 **Child's Set,** 3 pieces 3.54

C85254 **Pie or Ice Cream Server, H. H.** . . . . Each $6.30

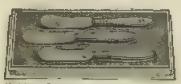
1847 ROGERS BROS.

ARGOSY PATTERN

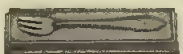
GREY FINISH

Also furnished in bright finish on request

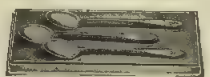
No. H8701—Tea Spoons, set of six $4.58
No. H8702—Soup Spoons, oval, set of six 8.87
No. H8703—Soup Spoons, round bowl set of six 9.18
No. H8705—Table Spoons, set of six 9.18
No. H8706—Bouillon Spoons, set of six 8.57



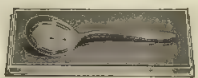
No. H87695—Butter Spreaders, set of six $7.58



No. H87196—Pickle Fork, short cut $1.84

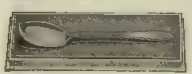


No. H87015—Iced Tea Spoons, set of six $7.56

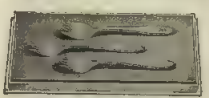


No. H87285—Cucumber or Tomato Server, each $5.82

No. H87284—Pie or Ice Cream Server, each $5.51



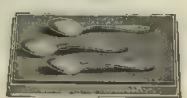
No. H87204—Jelly Knife or Server, each $3.14



No. H87105—Ice Cream Forks, set of six $7.36

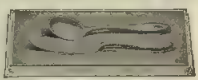
No. H87421—six each Hollow Handle Dinner Knives Plated French Blades and Flat Forks, Per set $23.54
No. H874218—Above set, knives with Stainless Steel Blades, Per set $24.82

No. H87008—Coffee Spoons, set of six $5.60

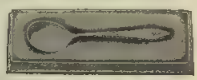


No. H8703—Dinner Forks, flat set of six $ 9.18
No. H87491—Dinner Knives, plated French blades, set of six 14.35
No. H87197—Pastry or Pie Forks, set of six 9.18
No. H874928—Dinner Knives stainless French blades, set of six 15.65

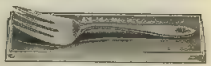
No. H87196—Oyster Forks, set of six $5.52



No. H87301—Butter Knife and Sugar Shell, set $3.00
No. H87201—Butter Knife, each 1.54

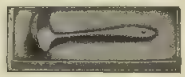


No. H87617—Sugar Shell, each $1.54



No. H87183—Cold Meat Fork, each $2.46

No. H87011—Orange Spoons, set of six $6.45



No. H87037—Gravy Ladle, each $3.06

No. H87191—Ruby Spoon and Fork, Sugar Tongs, each $2.46

No. H87183—Six each Solid Handle Dinner Knives Plated French Blades and Flat Forks, Set $15.79
No. H874838—Above set Knives with Stainless French Blades Set 18.52

1847 ROGERS BROS.
SILVERPLATE

Tea Spoon

With but few exceptions the same fancy pieces are made in Cromwell and Old Colony as in the other patterns, and at the same prices

Tea Spoon

CROMWELL
PATTERN
Bright

OLD COLONY
PATTERN
French Grey, Bright Trimmed

Six in Box, Prices per Dozen

Cromwell	Old Colony		Old Colony	Cromwell	
7901	7801	Tea Spoons,	7804	7804	Soup Spoons, round bowl $18.87
7902	7802	Dessert or Oval Soup Spoons 17.74	7805	7805	Dinner Forks 18.87
7903	7803	Table or Serving Spoons, 18.36	7806	7806	Dessert or Luncheon Forks, flat 17.74

Cromwell 79005 — Old Colony 78005 — Bouillon Spoons, in blue velvet lined box, set of six $8.87

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Cromwell	Old Colony		
79401s	78401s	Dinner Knives, Sparkler Blades	$31.90
79401	78401	Dinner Knives, Plated Blades	28.70
79403	78403s	Breakfast Knives, Stainless French Blades	31.90
79403	78403	Breakfast Knives, Plated Blades	28.70
79415s	78415	Dessert or Luncheon Knives, Stainless Blades	30.62
79415	78415	Dessert or Luncheon Knives, Plated Blade	28.62
79416	78416	Dinner Forks	28.70
79417	78417	Dessert or Luncheon Forks	28.42

Dessert Knife
Hollow Handle
Stainless Blade

Embossed Solid Handles, Six in Packed Box, Prices per Dozen

Cromwell	Old Colony		
79471s		Dinner Knives, Stainless Blade, S. & S.	$18.28
79471	78471	Dinner Knives, Plated Blade	13.06
79474	78474	Dessert or Luncheon Knives, Plated Blades	12.76

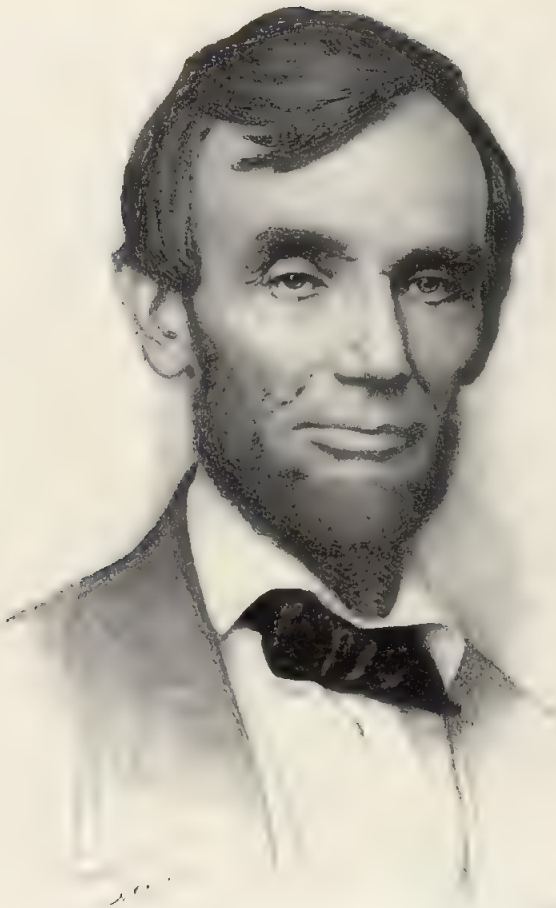
Cromwell 79478 — Old Colony 78478 — Dinner Forks ... $13.06

Cromwell 79479 — Old Colony 78479 — Dessert or Luncheon Forks $12.76

Dessert Knife
Hollow Handle
Stainless Blade

c-6-26

INTERNATIONAL SILVER CO.



Courtesy—Cramer and Tobias

ABRAHAM LINCOLN

Line etching on zinc—Cold-enamel Process.

By Powers Reproduction Corporation

LANTERNS

DIETZ, SCOUT

Tin; bright finish; practical and will burn steadily in wind and storm. Reflected light by test 1c. power; 5/8 inch wick; Dietz burner No. 661.

Per Doz

No. DSL—Height over all 7¾ ins; fount capacity 10 hours $18 90

One doz in case; wt per doz 11 lbs.

PAULL'S
Short Globe, Cold Blast.

No. 2 Cold Blast burner; 1 inch wick; steel wick slide and burner cone, heavily retinned; inside lift; 9 gauge polished steel wire bail.

Per Doz

No. 220—Bright tin fount; height with bail down 13½ ins; oil pot capacity 23 ozs; will burn from 20 to 25 hours $33 75

Half doz in case; wt per doz 92 lbs.

(Sold only in full case lots).

PAULL'S
Leader, Cold Blast. Little Ezy Lit.

No. O Cold Blast burner; ½ in. wick, brass wick slide, tinned steel burner cone, standard small size short globe; inside lift; 11 gauge polished steel wire bail.

Per Doz

No. 230—Bright tin fount; height with bail down 11½ ins; oil pot capacity 13½ ozs; will burn from 20 to 25 hours $23 25

Half doz in carton; wt per doz 20 lbs.

(Sold only in full case lots.)

PAULL'S
Tubular.

No. 1 burner, 5/8 inch wick, steel wick slide and burner cone heavily retinned; inside lift; 10 gauge polished steel wire bail.

Height with bail down 14 inches; diameter of base 7¾ inches. Oil pot capacity 16 ounces; will burn from 20 to 25 hours. Can be filled without removing globe.

Sold only in full case lots. Per Doz

No. 0—Regal with No. OW white globe; 1 doz in case $21 00

No. 0R—With No. OR genuine ruby globe; 1 doz in case 27 75

No. 0R½—With No. OR genuine ruby globe; ½ doz in case 27 00

(Sold only in full case lots).

Wt per doz 10 lbs.

ADAMS AND WESTLAKES
Switchman's.

No. 1 burner, 5/8 inch wick, steel wick slide and burner cone, heavily retinned, removable top globe holder, perfect ventilation. Equipped with No. 39 WI Railroad lantern globe and detachable bent wood rigid bail.

Per Doz

No. 90—Height with bail down 8⅞ ins; diam of base 5½ ins; capacity of oil fount 16 ozs $81 00

Three doz in crate; wt each 2 lbs.

LANTERN BURNERS

—BLUE GRASS—

For Kerosene lanterns. Locked in tinned steel burner with rising cone.

Per Doz

No. BG0T—For Blue Grass lanterns Nos. BGO, BG11 and BGD, size wick No. 1, ⅝ in. wide $3 52

No. BG2C—For Blue Grass lanterns Nos. BG22L, BG22, and BG2CB, size wick No 2, 1 in. wide 3 60

One doz in cardboard box; fifty doz in wood case; wt per doz ⅞ lb.

Fits the following lanterns; Little Wizzard No. 1DWJ, Junior Cold Blast No. 508, Junior Side Blast No. 1DSD, Monarch No. ODM and Buckeye Dash No. ODD. Made of steel tinned winged lock cone.

Per Doz

No. 201—Takes No. 1 wick, 5/8 in. wide $2 52

One doz in carton; wt per doz 1¼ lbs.

Fits the following Lanterns: D, Lite No. 2 DD, D. Lite No. 2 DDL. Blizzard Cold Blast No. 2 DB and Beacon Light No. 30. Made of steel tinned winged lock cone.

Per Doz

No. 262—Takes No. 2 wick, 1 in. wide $3 75

One doz in carton; wt per doz 2 lbs.

TUBULAR

For kerosene lanterns; made of steel, removable cone, taper collar.

Per Doz

No. 1T—Takes No. 1 wick, 5/8 in. wide $1 89

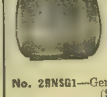
No. 2T—Takes No. 2 wick, 1 in. wide 2 52

One doz in cardboard box; fifty doz in wood case; wt per doz about 1⅝ lb.

LANTERN GLOBES

SHORT GLOBE

Will fit all No. 2 Short Globe lanterns. Height 4⅝ inches; diameter base 3 1/16 inches; diameter top 4 1/16 inches.



Clear.	2NSG1	2NSG5
Nos.		
Doz in case	1	5
Wt per case, lbs	10	46
Per Case	$3 30	14 25

(Sold in full case lots only). Per Case

No. 2RNSG1—Genuine ruby, wt case, 10½ lbs $9 75

(Sold in full case lots only).

One doz in case.

For Dietz Little Wizard Lantern.

Height 3⅞ inches; diameter base 2¾ inches; diameter top 3⅛ inches.

Per Case

No. WJ-1—Clear $3 30

No. 1WJR-1—Genuine ruby 10 20

One doz in carton; wt per doz 6 lbs.

RIVAL—Clear.

For No. BG11 Lantern.

Per Case

No. 11-1—Height 4½ ins; diam base 2 3/16 ins; diam top 3 1/16 ins; wt per doz 8 lbs $3 30

(Sold in full case lots only).

One doz in carton.

LANTERNS

DIETZ
D. Lite.

Bright tin finish; No. 2 Dietz special burner; 1 inch wick; side lift; large filler cap.

Per Doz

No. 2DD—Height over all with bail down 13¼ ins; diam base 6½ ins; oil pot capacity 23 ozs; will burn from 20 to 25 hours.....$43 50

(Sold in full carton lots only.)

Half doz in carton; wt per doz 37 lbs.

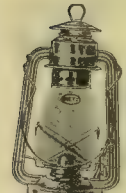
DIETZ
Little Wizard, Cold Blast.

Bright tin finish; No. 1 Dietz special burner; inch wick; side lift; large filler cap.

Height over all with bail down 11½ inches; diameter base 4⅞ inches; oil pot capacity 16 ozs; will burn from 18 to 22 hours.

No.	1DWJ
Less than case, Per Doz	$27 00
Full cases, Per Doz	25 50

One doz in carton; wt per doz 24 lbs.



DIETZ
Blizzard, Cold Blast.

No. 2 Dietz special burner; 1 inch wick; brass wick slide; steel burner cone; heavily retinned; inside lift; 9 gauge polished steel wire bail.

Per Doz

No. 2DB—Height with bail down 15¾ ins; diam base 6¾ ins; oil pot capacity 23 ozs, will burn from 20 to 25 hours.....$43 50

(Sold in full carton lots only.)

Half doz in carton; wt per doz 40 lbs.

DIETZ
Junior Cold Blast.

Made on the genuine "Cold Blast" principle producing a very bright light. Cannot be blown out by the wind or extinguished by dropping and shaking.

Inside lift; 10 gauge polished steel wire bail; C. B. burners; ⅝ inch wick.

Height with bail down 11¾ ins; diam base 5½ ins; oil capacity 14 ozs; will burn from 13 to 15 hours; can be filled without removing globe.

No.	508
Finish	Plain tin
Per Doz	$26 70

One doz in carton; wt per doz 23 lbs.

LANTERNS

DIETZ
Dietz Junior Side, Cold Blast.

Japanned black; bright tin corrugated reflector; bull's eye lens; the lens is not part of the globe but is separate and held in focus by heavy wire; reflects a light of 10 candle power.

Lamp is provided with secure fastener for use on left hand side of vehicle. Lights the road ahead, shines a red light through ruby lens in rear.

No. 1 Dietz special burner; ⅝ inch wick; brass wick slide; steel burner cone; heavily retinned; inside lift; 9 gauge polished steel wire bail.

Height with bail down 12 ins; diam base 5 ins. Oil pot capacity 14 ozs; will burn from 31 to 16 hours; can be filled without removing globe.

No.	10SD
Less than case lots, Per Doz	$54 75
Full case lots, Per Doz	51 75

Half doz in carton; wt per doz 12 lbs.

DIETZ
Monarch, Tubular.

No. 1 Dietz special burner, ⅝ in. wick, brass wick slide; steel burner cone heavily retinned. Inside lift; 9 gauge polished steel wire bail.

Per Doz

No. 0DM—Height with bail down 12½ ins; diam base 5¼ ins; oil pot capacity 16 ozs; will burn 20 to 25 hours.....$27 00

(Sold in full carton lots only.)

One doz in carton; wt per doz 28 lbs.

DIETZ
Buckeye Dash, Tubular.

Japanned black with dash attachments. May be used as a wall lamp and has a bail for use as a hand lantern. Has a tin corrugated reflector. Gives a reflected light of over 10 candle power.

No. 1 patent steel burner; ⅝ inch wick; brass wick slide, steel burner cone, heavily retinned; outside lift; 9 gauge polished steel wire bail.

Per Doz

No. 0DB—Height with bail down 13 ins; diam base 5¾ ins; oil pot capacity 16 ozs; will burn from 20 to 25 hours.....$46 50

(Sold in full carton lots only.)

Half doz in carton; wt per doz 40 lbs.

DIETZ, No. 30 BEACON LIGHT

Made on the Cold Blast principle; painted green, with white reflector, 7 inches deep and 12 inches in diameter; fitted with blizzard patent steel burner; 1 inch wick. Full weight selected globe; heavy wire bail. Wire height 15 inches.

Oil capacity 41 ozs; will burn 25 hours.

Per Doz

No. 30—Wt per doz, 100 lbs.....$102 00

Quarter doz in wood box.

Alkire Art Pictures

Summer

Each

N72634—"SUMMER"—Picture of a girl carrying a parasol. She is dressed in crisp organdy, trimmed with lace. It is mounted on black sateen Size, 8x10 inches. Packed one in a box 3.00

Ballet Dancer

Each

N72637—"BALLET GIRL"—Picture of dancing girl, dressed in tulle of bright colors. Natural hair and pretty figure. Suitable gift for a young girl. Mounted on black sateen. Size, 8x10 inches. Packed one in a box 3.00

First Dance

Each

N72639—"FIRST DANCE"—Picture of a little boy and girl just learning to dance. They are dressed in silk ribbon and lace, trimmed with small pearl buttons. They have natural blond, brunette, or red hair, and patent leather shoes. The characters are cut out and painted by hand. The picture is suited for the nursery. Size, 10x12 inches. Packed one in a box 8.00

March

Each

N72635—"MARCH"—Picture of a girl being tossed about by March winds. She is dressed in brightly colored crepe de chine, and has blonde, brunette or red hair. Mounted on black sateen and framed in moulding to harmonize. Size, 8x10 inches. Packed one in a box..... 3.00

Mary

Each

N72638—"MARY"—A picture taken from the nursery rhyme "Mary, Mary, Quite Contrary." It is of a small girl watering flowers and is mounted on black sateen. The girl is dressed in bright colored silks with a ribbon sash and small pearl buttons on her dress. Her shoes are of black patent leather. Her hair is blonde, brunette, or red. Size, 10x12 inches. Packed one in a box 7.50

Spring

N72640—"SPRING"—A picture representing the spring of life. It is of a small child under an umbrella of silk and leather. Blue paper bluebirds are drinking the raindrops as they fall from the umbrella. The child's coat is made of wool, trimmed in fur, her shoes are of black patent leather, and her hair is blonde, or brunette. Size, 10x14 inches. Packed one in a box 8.00

Grandma

Each

N72636—"GRANDMA" -Picture of an old lady fast asleep. She is dressed in a figured material with collar, cuffs and apron trimmed with narrow lace. A ball of yarn is in her lap, and a cat sleeps at her feet. Size, 8x10 inches. Packed one in a box 3.00

Gifts can be Sold all
Through the Fall and Winter

DISPLAY YOUR LINE

As soon as it arrives
and make your

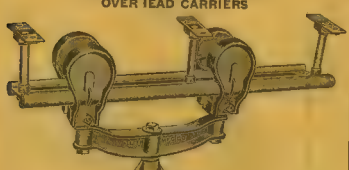
Holiday Profit
Long Before Christmas

Creation

Each

N72641—"CREATION" A picture designed from the play, "Creation." It is of a girl dressed in a Spanish costume of bright red and green. Her hair is natural, and there are real ostrich feathers on her hat. A parrot sitting on a gold perch is painted and beaded in red, blue and green. It is mounted on black sateen and all hand made. Size, 10x14 inches. Packed one in a box 7.00

GARAGE EQUIPMENT
OVER HEAD CARRIERS



Highest grade malleable iron, black japanned; hardened steel axles, washers and roller bearings. All connecting bars fitted with double swivels allowing carriers to run freely around curves, also permitting the load to be turned in any direction. Track may be placed within 5¼ inches of ceiling.

Equipment herewith shown answer all requirements in ordinary conditions, modifications can be made to suit unusual conditions. All necessary information relative to sizes and capacity can be furnished upon request. Each

No. A-120—Capacity with No 22Z track 1200 lbs; length 19¼ ins; width 6¾ ins; height 15 ins; wt each 31 lbs ✣26 40
$16 00

No. A-130 Capacity with No. 33Z track 2500 lbs; length 21 ins; width 7¾ ins; height 17 ins; wt each 40 lbs.. ✣39 00
Crated. *$4 00*

OVERHEAD CARRIERS

Highest quality malleable iron, black japanned; hardened steel axles, washers and roller bearings. All connecting bars fitted with double swivels allowing carriers to run freely around curves also permitting the load to be turned in any direction. Track may be placed within 7 inches of ceiling. Capacity with No. 33Z track 4000 lbs.

Equipment herewith shown answer all requirements in ordinary conditions, modifications can be made to suit unusual conditions. All necessary information relative to sizes and capacity can be furnished upon request. Each

No. A-230—Length 29 ins; width 7½ ins; height 19½ ins.. ✣78 00
Crated; ship wt each 87 lbs *$43 00*

ROUND TUBULAR TRACK, With Brackets Every 18 Inches. For Above Carriers.

Double tubular steel track, with double brackets, ceiling plates and parting pieces through which bolts pass, making a very strong double-tread track which may be curved to any radius not less than 3 feet. Per Ft.

No. A-22Z—Use two ⅛ in. lag screws or bolts for each ceiling plate and ⅝ in. machine bolt for fastening track bracket to ceiling plate; wt per ft 4½ lbs .. ✣1 29

No. A-33Z—Use two ⅝ in. lag screws or bolts for each ceiling plate and ¾ in. machine bolt for fastening track bracket to ceiling plate; wt per ft 6 lbs.. ✣2 28
Shipped loose. *1 40*

✣F. O. B. Illinois Factory Only.

GARAGE EQUIPMENT
SWITCHES

	For Use With No. 22Z Track.	Each
No. A-222S—Two-way; wt each 125 lbs	✣61 50	*$38 00*
No. A-223S—Three-way; wt each 185 lbs	✣87 00	*54 00*

Shipped loose.

	For Use With No. 33Z Track.	Each
No. A-332S—Two-way; wt each 130 lbs	✣64 50	*$40 00*
No. A-333S—Three-way; wt each 190 lbs	✣88 50	*56 00*

Shipped loose.

CURVED TRACK

	Per Ft
No. A-22ZU—For use with No. 22Z track	✣3 60
	$2 20
No. A-33ZU—For use with No. 33Z track	✣4 95
Shipped loose.	*3 00*

HAWKEYE TRACK

12 gauge high carbon steel. Can be fastened to ceiling or side walls. Furnished in 4, 6, 8 and 10 foot lengths.

Nos.	A-25-8	A-25-10
Length, ft	8	10
Wt each, lbs	30	37½
Per Ft	✣1 95	

Packed loose.

BRACKETS

	Each
No. A-1H—Wrought steel	✣1 95

Packed loose; wt each about 2 lbs.

DIFFERENTIAL HOISTS
WRIGHT

Steel wheels, malleable iron fittings, painted black, electrically welded steel chain. Has few parts and on account of its simplicity and reliability is popular for garage or similar use.

Blocks hold load automatically making it adaptable for loads which are handled occasionally.

Nos.	A-2W	A-3W	A-4W	A-5W
Capacity, tons	½	1	1½	2
Stand lift in ft	7	8	8½	9
Wt each, lbs	30	51	76	112
Each	40 20	53 65	69 30	87 15
	$12 00	*16 00*	*72 00*	*90 00*

One in wood box.

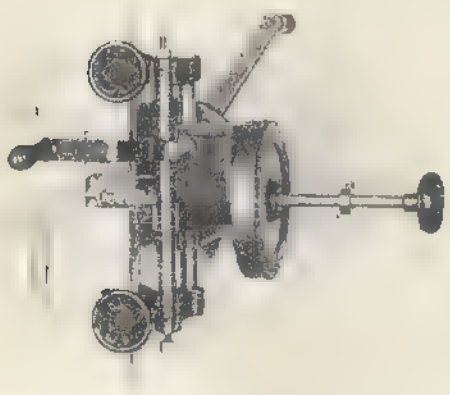
✣Nos. A-222S to A-33ZU F. O. B. Illinois Factory Only.

✣Nos. A-25-8, A-25-10 and No. A-1H F. O. B. Iowa Factory Only.

✣Nos. A-4W and A-5W F. O. B. Ohio Factory Only.

LOCK MORTISERS

ALTA HAND



Cuts An Ordinary Mortise in Five Minutes

A hand-driven machine with gear reduction and fly wheel to give ample power with very little effort on part of the operator.

It is equipped with self-centering jaws with wood faces.

This machine cuts up and down the entire face, not a series of holes.

Cuts entire mortise, including face-plate, without being taken from the door.

Substantially built to give long satisfactory service for the contractor who feels his work does not justify purchase of the motor-driven machine.

Every machine is guaranteed to do the work as represented and warranted against defective materials for one year.

	Each
No. 1A—With 2 Cutters, Weight Each 31 Lbs.	$75.00

Note—Cutters ⅝ to 1¼ inches, by 16ths inches are carried in stock for the above Machine State Sizes desired when ordering.

ALTA ELECTRIC

Cuts An Ordinary Mortise in Less Than a Minute.

Aluminum Frame, Light in Weight and Rust-Proof, 110 Volt Universal Motor operated from any light socket.

The cutter shaft is mounted on ball bearings.

It is equipped with self-centering jaws with wood faces.

Cuts up and down the entire face—not a series of holes. It cuts the entire mortise, including face plate, without being taken from the door.

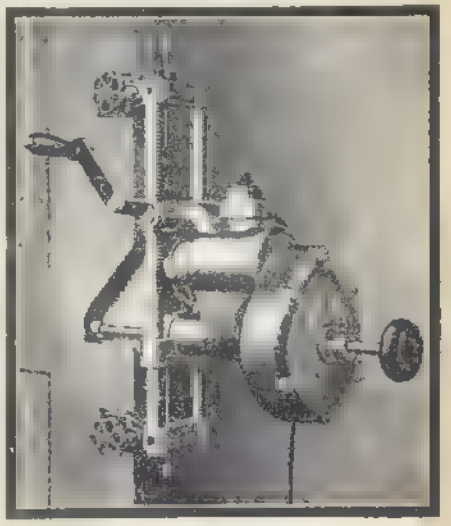
They are simple, durable and accurate.

Every machine is guaranteed to do the work as represented and warranted against defective materials for one year.

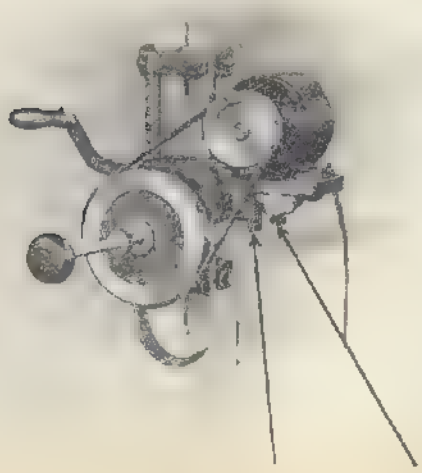
	Each
Model C—With 2 Cutters, Weight Each 35 Lbs.	$125 00

Note—Cutters ⅝ to 1¼ inches by 16ths inches, are carried in stock for the above machine, state Sizes desired when ordering.

These Mortisers are built to stand severe service, that is why they are considered good tools.



ALTA COMBINATION



Motor or Hand Driven.

A light weight, portable, one-man machine, can be carried as easily as an electric drill. Sturdy and compact in design, with few working parts. Consider the convenience of this little electric tool that can be carried in one hand from door to door and from floor to floor.

It is quickly converted from Motor Drive to Hand Drive by removing belt guard, slipping belt off fly-wheel and removing screw (S) and four motor plate screws. Motor remains bolted to motor plate. This machine will cut the entire mortise, including face-plate, without being taken off the door. The machine is self-centering on the door. It will cut a ⅞ inch mortise in a 1 inch door without splitting the sides. Equipped with Adjustable Stop, Hardened Machine Cut Gears, enclosed and running in oil, Belt Guard, Fly Wheel and Rest Guard, Adjustable Collar which controls depth of mortise and 10 ft. Cord with Attachment Plug

It is also furnished with Attachment for Hand Drive.

	Each
No. AC—With 2 Cutters. Complete with ⅓ H. P. Motor, Weight 45 Lbs.	$125 00

Note—Cutters ⅝ to 1¼ inches by 16ths inches are carried in stock for the above machine, state Sizes desired when ordering.

AUGER BITS
IRWIN MAINBOR

No, 62T—For General Work

With Solid Center, Forged from Special Analysis Steel, Tempered, Polished Twist and Shank, Unpolished Square, Double Cutter, Double Extension Lip, Single Twist.

Inches, 16ths	3	4	5	6	7
Length Twist, Inches	4	4	4 1/16	4 1/8	4 1/8
Length Over All, Inches	7 1/4	7 1/2	7 5/8	7 3/4	7 7/8
Weight Per Dozen, Lbs.	1	1	1 1/4	1 1/2	2
Per Dozen	$4.50	4.00	4.00	4.00	4.50

Inches, 16ths	8	9	10	11	12
Length Twist, Inches	4 1/16	4 1/4	4 3/8	4 1/4	4 5/8
Length Over All, Inches	8	8 1/8	8 1/4	8 3/8	8 1/2
Weight Per Dozen, Lbs.	2 1/2	2 3/4	3	3	4
Per Dozen	$5.00	5.50	6.00	7.00	7.00

Inches, 16ths	13	14	15	16
Length Twist, Inches	4 3/4	4 3/4	4 7/8	4 7/8
Length Over All, Inches	8 5/8	8 3/4	8 7/8	9
Weight Per Dozen, Lbs.	4	4 5/8	5	6
Per Dozen	$8 00	8.00	9.00	9.00

Inches, 16ths	18	20	22	24
Length Twist, Inches	4 1/8	5	5 1/4	5 1/2
Length Over All, Inches	9 1/8	9 1/4	9 3/8	9 1/2
Weight Per Dozen, Lbs.	6	8	9	10
Per Dozen	$10.50	12 00	13.50	15.00

Inches, 16ths	26	28	30	32
Length Twist, Inches	5 1/2	5 3/4	5 3/4	6
Length Over All, Inches	9 1/2	10	10 1/2	11
Weight Per Dozen, Lbs.	10	12	12	12
Per Dozen	$17.00	19.00	21.00	23.00

3 to 16/16, One-half Dozen; Larger Sizes, One-quarter Dozen in a Box.

RUSSELL JENNINGS

No. 100—Extension Lip.

Forged Crucible Tool Steel, Oil Tempered, Polished Twist and Stem, Natural Finish Shank, Double Spur and Extension Lip, Double Thread on Screw. Average Length 9 in.

Inches, 16ths	3	4	5	6	7
Weight Per Dozen, Lbs.	1	1 1/8	1 3/8	1 1/2	1 7/8
Per Dozen	$0 00	5.00	5.00	5 00	5.00

Inches, 16ths	8	9	10	11	12
Weight Per Dozen, Lbs.	2 1/8	2 1/8	2 7/8	3 1/8	3 1/2
Per Dozen	$5 00	6 00	6 00	7 00	7.00

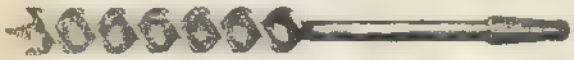
Inches, 16ths	13	14	15	16
Weight Per Dozen, Lbs	4	4 1/2	4 3/4	5 1/4
Per Dozen	$8 25	8.25	9.50	9 50

Inches, 16ths	18	20	22	24
Weight Per Dozen, Lbs.	5 1/2	6	6 1/2	7
Per Dozen	$12 00	14 00	16.00	18 00

Inches, 16ths	26	28	30	32
Weight Per Dozen, Lbs.	8	9	10	11
Per Dozen	$21 00	24.00	27 00	30.00

3 to 12/16, One Dozen; Larger Sizes, One-half Dozen in a Box

PUGH



No. 72—Hand Made

Best Crucible Steel, Carefully Tested, Average Length 8 1/2 in.

Inches, 16ths	4	5	6	7	8
Weight Dozen, Lb.	1	1 1/4	1 1/2	1 3/4	2
Per Dozen	$11.52	11 52	11.52	11.52	11 52

Inches, 16ths	9	10	11	12
Weight Dozen, Lbs.	2 1/4	2 1/2	2 3/4	3
Per Dozen	$12 96	14.40	15.84	17.28

Inches, 16ths	13	14	15	16
Weight Dozen, Lbs.	3 1/4	3 3/4	4 1/4	4 1/2
Per Dozen	$18.72	20 16	21.60	23.04

One-half Dozen in a Box

AUGER BITS
SNELL EXTRA

No. 200—Double Cutter

High Grade Solid Cast Steel, Full Polished.

Inches, 16ths	3	4	5	6	7
Length Over All, Inches	7 1/2	7 5/8	7 3/4	7 7/8	8
Weight Per Dozen, Lbs.	3/4	1	1 1/4	1 1/2	1 3/4
Per Dozen	$6 00	5.00	5.00	5.00	5.00

Inches, 16ths	8	9	10	11	12
Length Over All, Inches	8 1/8	8 1/4	8 3/8	8 1/2	8 5/8
Weight Per Dozen, Lbs.	2	2 1/4	2 1/2	2 3/4	3
Per Dozen	$5 00	6.00	6.00	7.00	7.00

Inches, 16ths	13	14	15	16
Length Over All, Inches	8 5/8	8 7/8	9	9
Weight Per Dozen, Lbs.	3 1/4	3 3/4	4 1/4	4 1/2
Per Dozen	$8.25	8 25	9 50	9 50

One-half Dozen in a Box.

MEPHISTO

No. 9—For Fast Boring

Special Forged Steel, Carefully Hardened and Tempered, Coarse U Thread, will Bore through any Wood, Hard or Soft, or against the Grain without Pressure. Average Length 9 in.

Inches, 16ths	10	11	12
Weight Per Dozen, Lbs.	8 1/2	8 3/4	9
Per Dozen	$16.80	18.00	19.20

This bit is particularly adapted for Electricians' use. It can be used in Metal Ceilings without injuring the bit Recommended for Electricians' Boring Machines.

One-half Dozen in a Box.

WATROUS SHIP

No. 16—For Car and Ship Work

Forged Steel, Polished, Average Length 9 in.

Inches, 16ths	4	5	6	7	8
Weight Per Dozen, Lbs.	1 1/2	1 3/4	2	2 1/4	2 1/2
Per Dozen	$6 00	6 00	6.00	6.00	6.00

Inches, 16ths	9	10	11	12
Weight Per Dozen, Lbs.	3	3 1/2	4	5
Per Dozen	$7.50	7 50	9.00	9 00

Inches, 16ths	13	14	15	16
Weight Per Dozen, Lbs.	5 1/4	5 1/2	5 3/4	6
Per Dozen	$10 50	10.50	12.00	12.00

4 to 1/8, One Dozen; Larger Sizes, One-half Dozen in a Box.

FORSTNER

Specially Adapted for Hardwood Working

Guided by its Circular Rim, instead of its Center. Will bore any arc of a circle For core box patterns, veneers, scrolls, etc

Inches, 16ths	4	5	6	7	8	9	10
Length, Inches	6 1/4	6 1/4	6 1/4	6 1/4	6 3/4	6 3/4	6 3/4
Each	$0.90	.90	1.00	1.00	1.05	1.15	1.15

Inches, 16ths	11	12	13	14	15	16	17
Length, Inches	6 7/8	7 1/4	7 1/4	7 1/4	7 1/4	7 3/4	7 3/4
Each	$1.20	1.30	1.40	1 40	1.70	1.70	1 80

Inches, 16ths	18	19	20	21	22	23	24
Length, Inches	7 3/4	7 3/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
Each	$1 80	1.95	2 20	2 20	2.35	2.65	3.00

Note—These Bits can also be furnished with 1/2 in. Round Shanks for use in Boring Machines, when so ordered

ICE SKATES WITH SHOES

ALUMO SEMI-TUBULAR

Unit Construction. They are made in one piece at one operation without joints, seams, rivets, brazing or welding. Aluminum body, finest quality steel blades, carefully hardened and tempered. The runner edge of the blade is curved to exactly the right radius. Are semi-tubular, the cones supporting the sole and heel plates are hollow, and the remainder of the body solid.

MEN'S RACING MODEL

Blades are .080 inches thick with a radius for racing, and a slight curve at the extreme ends; they vary in length, according to the skate size, from 13 to 16 inches.

Satin Finish

Special constructed shoes of selected materials.

No. 27 Sizes 5 to 11, including half sizes.....Per Pair, **$11.00**

Nickel-Silver Finish

Special constructed shoes of highest quality leather throughout.

No. 29 Sizes 5 to 11, including half sizes.....Per Pair, **$13.50**

One Pair in a Box

LADIES' RACING MODEL

Are smaller in size, otherwise same as the men's model.

Satin Finish

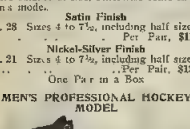
No. 28 Sizes 4 to 7½, including half sizes.....Per Pair, **$11.00**

Nickel-Silver Finish

No. 21 Sizes 4 to 7½, including half sizes.....Per Pair, **$13.50**

One Pair in a Box

MEN'S PROFESSIONAL HOCKEY MODEL



Polished finish skates on specially constructed Canadian type hard-toed hockey shoes, black with pearl facings.

No. 26 Sizes 6 to 11½, including half sizes.....Per Pair, **$16.00**

MEN'S HOCKEY MODEL

Blades are .125 inches thick and ground to a special curvature determined scientifically and practically as best for this type; they vary in length according to the skate size, from 10½ to 13½ inches.

Satin Finish

Special constructed shoes of selected materials.

No. 22 Sizes 2 to 12, including half sizes.....Per Pair, **$11.00**

Nickel-Silver Finish

Special constructed shoes of highest quality leather throughout.

No. 23 Sizes 8 to 12, including half sizes.....Per Pair, **$13.50**

One Pair in a Box

LADIES' HOCKEY MODEL

Are smaller in size, otherwise the same as the men's model.

Satin Finish

No. 24 Sizes 2 to 8, including half sizes.....Per Pair, **$11.00**

Nickel-Silver Finish

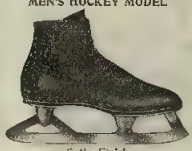
No. 25 Sizes 2 to 8, including half sizes.....Per Pair, **$13.50**

One Pair in a Box

ALUMO CRUSADER

Made up of newly designed Alumo skate, satin finished and mounted on durable all leather shoe of special construction. Fine steel runner and aluminum body, inseparably moulded together in one operation. Is free from joints, seams and rivets.

MEN'S HOCKEY MODEL



Satin Finish

No. 18 Sizes 2 to 12; in full sizes only.....Per Pair, **$8.00**

LADIES' HOCKEY MODEL

Satin Finish

No. 19 Sizes 2 to 8; in full sizes only.....Per Pair **$8.00**

STERLING

Skate is made of hardened steel, full nickel plated and mounted on McKay shoe made with black boarded side leather uppers, solid heel and strap over ankle.

MEN'S HOCKEY MODEL

No. 212 Sizes 4 to 12; in full sizes only.....Per Pair, **$8.00**

LADIES' HOCKEY MODEL

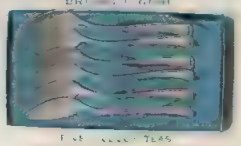
No. 213 Sizes 3 to 9, in full sizes only.....Per Pair **$8.00**

All the Above, One Pair in a Box

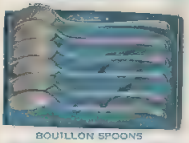
ALVIN SILVER

Long-Life Plate

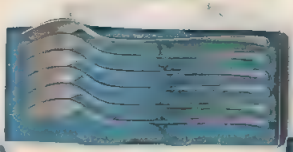
GEORGE WASHINGTON



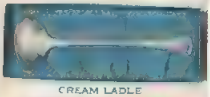
OYSTER FORKS



BOUILLON SPOONS



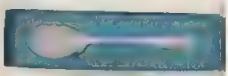
ICED TEA SPOONS

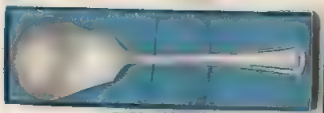


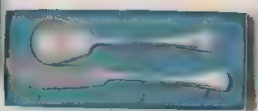
CREAM LADLE

ORANGE OR GRAPE FRUIT

Per set of six $6.45







BUTTER KNIFE AND SUGAR SHELL

Per set $3.00

COFFEE SPOONS

Per set of six . $4.80

3 PIECE CHILD'S SET

Hollow Handle Knife, per set . . $4.5

SHORT HAND

Spoon and Fork, set . .

BABY SPOON

Pieces Not Illustrated

Tomato Server Flat Handle each $1.4

HOLLOW HANDLE CUTLERY

ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost *(Illustrated on Front Page)*

ALVIN SILVER

Long-Life Plate

MOLLY STARK

GRAY FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as Sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life

ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost *(Illustrated on Front Page)*

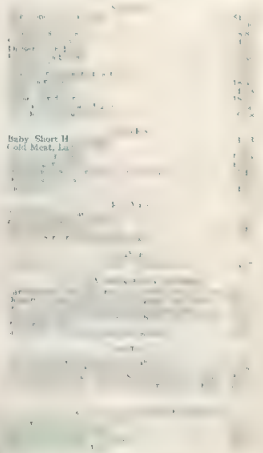
ALVIN SILVER

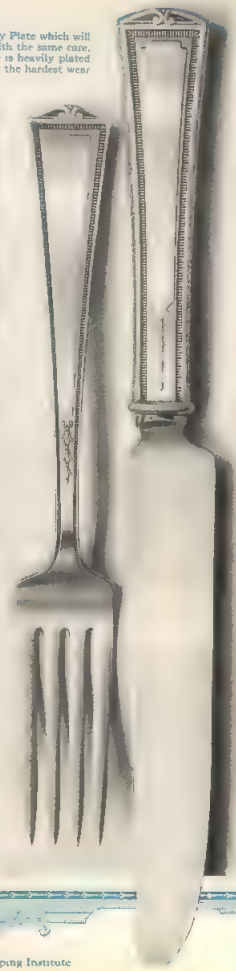
Long Life Plate

LUXOR

GRAY FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as Sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life





ALVIN

Alvin Stainless Blades are guaranteed by Good Housekeeping Institute

ALVIN SILVER

Long Life Plate

LANCASTER

GRAY FINISH

THE following illustrations show our "Long Life" Quality Plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as Sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

SPOONS

Baby Spoon, S.H. each
Berry, each
Bouillon, set of six
Coffee, set of six
Dessert, per dozen
Iced Tea, set of six
Olive, each
Tea, Regular, per dozen

FORKS

Baby, Short Handle
Meat, Large
Dessert, per dozen
Dinner, per dozen
Individual Salad, each
Oyster, set of six
Pickle, each

KNIVES

Butter Knives, each
six

Cream, each 2.40 Gravy, each

FOLLOW HANDLE CUTLERY

Butter Knife and Sugar Spoon, per set
Child's 2-piece H.H. Knife, per set
6 Knives and Forks, Dinner Size, French S.S. Blade
6 Knives and Forks, Dessert Size, French S.S. Blade

Combinations of Cedar and Mahogany Chests

No. 430 No. 431 No. 432

To Hold 26 Pieces

6 Forks, 6 Teas, 6 Spoons, Butter Knife, 1 Sugar Spoon

To Hold 50 Pieces

12 Knives, 12 Forks, Teas, 1 Butter Knife

No. 433 No. 434

To Hold 65 Pieces

Forks, 1 Butter

No. 435 Mahogany Chest

To Hold 90

12 Knives, 12 Forks, 12 Spoons, 12

Price Complete with Chest

	No. 430	No. 431	No. 432	No. 433	No. 434	No. 435
Dinner size	$140.88					$188.84
Dessert size	138.97					186.92

ALVIN

A Beautiful Hostess Tray with removable velvet pad for silver, to hold 26, 29, 32, 44 or 54 piece combinations is furnished with all patterns at a slight extra cost *(Illustrated on Front Page)*

The Line Beautiful

American Children's Vehicles

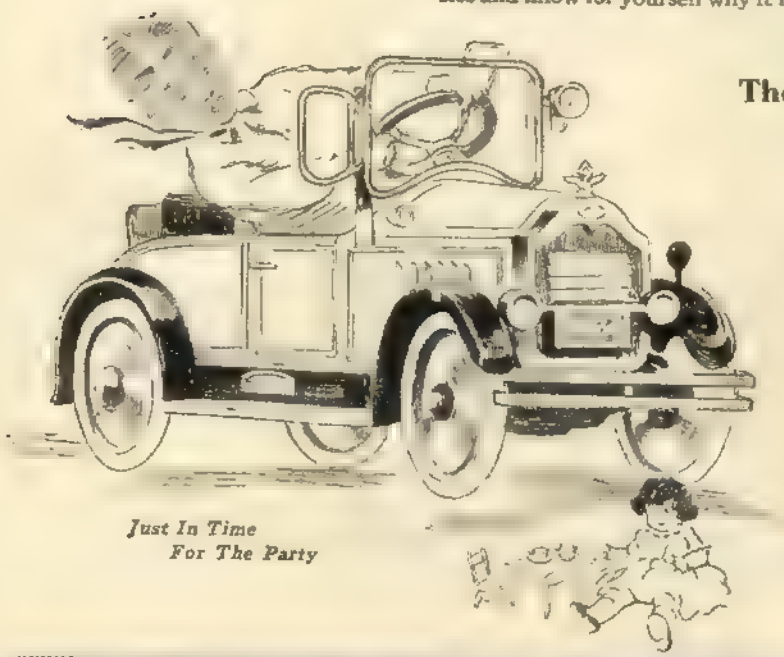
Parkcycles
Automobiles
Velocipedes
Coaster Wagons
Express Wagons
Scooters
Pedal Bikes
Hand Cars
Tricycles
Doll Cabs

"Known Around the World"

"The Line Beautiful" is no mere catch phrase. Since their inception American Children's Vehicles have been famous for their beauty.

Whether it's an automobile, a scooter, a coaster wagon, a parkcycle, a velocipede or any children's vehicle, Americans are always easily distinguishable by this quality of beauty.

Children are beauty loving. They are keen for harmonious colors and lines, for their visions and hearts have not yet been distorted with ugliness of any kind. Stock and push the complete line of American Vehicles and know for yourself why it is the biggest selling line in the world.



Just In Time For The Party

The American National Co.
Four Factories
TOLEDO, OHIO

By Invitation Member

SEE OUR PERMANENT YEAR-ROUND DISPLAYS AT THE FOLLOWING ADDRESSES

NEW YORK, N. Y.
Baker & Bennett Co.
873 Broadway
Louis Wolf & Co.
215 Fourth Ave.
Davis & Woetsch, Inc.
242 Fourth Ave.

DENVER
Great Western Mercantile Co.
212 Tabor Building

CHICAGO
American National Co.
666 Lake Shore Drive

SAN FRANCISCO
Pacific Sales Co.
716 Mission St.

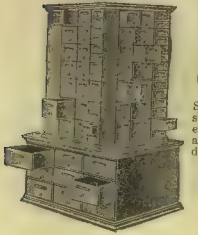
BOSTON
Cyrus Harvey
78 Merrimac Street

BALTIMORE
Frank Wissig
737 W. Lombard St.

TOLEDO
American National Co.
1400 Ketcham Ave.

BOLT AND SCREW CASES

BROWN'S PERFECTION



Revolving Combination.

Oak, hard oil finish, plain. Same as Nos. 40 and 80 shown in preceding column, except the corners are square and filled in with small drawers for screws.

WITHOUT BASE, Mounted on a Block.

Height 50 ins; 24 ins square.

Each

No. 112—For bolts and screws, 112 drawers; 56 for bolts and 56 for screws; weight each crated 300 lbs.. ✣$143 25

No. 168—For screws only, 168 drawers, same size as No. 112; wt each crated 300 lbs ✣ 177 75

WITH BASE, Top Revolving.

Mounted on base, 30 ins square, 20 ins high; floor space 30x30 inches; height over all 69 ins.

Each

No. 130—For bolts and screws, 130 drawers; 74 for bolts and 56 for screws; 112 in revolving portion and 18 in base; wt each crated 450 lbs ✣$177 75

No. 200—For screws only, 200 drawers, same size as Nos. 130, 168 in revolving portion, 32 in base, otherwise same as No. 130; wt each 480 lbs ✣ 225 75

Drawers of 112 cases labeled as follows:
Washers, ¼, ⅜in, ⅝, ½.
Bolts, ¼x1, 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5.
Bolts, ⅜x1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6.
Bolts, ½x1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6.
Bolts, ⅝x2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
Bolts, ¾x2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
Screws, ⅜x3, 4, 5 (in one drawer).
Screws, ½x3, 4, 5, 6.
Screws, ⅝x4, 5, 6, 7.
Screws, ¾x5, 6, 7, 8, 9.
Screws, ⅞x5, 6, 7, 8, 9.
Screws, 1x7, 8, 9, 10, 11.
Screws, 1¼x8, 9, 10, 11, 12.
Screws, 1½x9, 10, 11, 12, 13, 14.
Screws, 1¾x11, 12, 13, 14.
Screws, 2x11, 12, 13, 14.

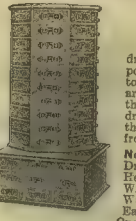
This leaves 14 small drawers with blank labels which can be used for tire bolts or stove bolts, etc.

Drawers of 130 case labeled as No. 112 with additional drawers in the base as follows:
Washers, ⅝, ¾.
Bolts, ⅜x5, 6, 7, 8, 9, 10, 11, 12.
Bolts, ½x7, 8, 9, 10, 11, 12, 14, 16.
One in crate.

Note—Labels can be easily changed to any size desired—Special cases made to order.

✣F. O. B. Tennessee Factory Only.

BOLT CASES



AMERICAN

Revolving, Octagon Shape.

Poplar, cherry stained; metal drawers, with wood fronts, white porcelain knob on each drawer; top part revolves on base; the drawers are all provided with stops to prevent their removal from the case. Each drawer holds a package of bolts of the size and number indicated on the front.

Nos.	5-B	6-B
Drawers	98	104
Height, ins	60	65
Width, ins	30	30
Wt, lbs	375	400
Each	✣$321 75	✣$348 00

One in crate.

No. 5B—Bolt case contains drawers labeled for the following sizes of bolts:

Carriage Bolts.

¼ inch—1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 3½, 3¾, 4, 4¼ 4½, 4¾, 5.
⅜ inch—1¾, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 3½, 3¾, 4, 4¼, 4½, 4¾, 5, 5¼, 5½, 6.
⅝ inch—2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 5, 6.
¾ inch—2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10.
⅞ inch—2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10, 11, 12.

Tire Bolts.

⅜ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
½ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
⅝ inch—2, 2¼, 2½.

No. 6B—Bolt case contains in addition to No. 5 the following drawers for carriage bolts:
⅜ inch x 7½, 8¼, 9½.
½ inch x 7½, 8¼, 9½.

Note—Numbers on bolt and screw cases changed to suit purchasers, without extra charge.

REVOLVO

Annealed sheet steel bins, hand riveted; steel tubing stem. Each section works independently of every other section and are hung on adjusted ball-bearings and turns with the same ease, whether full or empty.

Each section contains twelve compartments, each compartment 7 ins. outside, 12 ins. tapering to center, 6 ins. deep.

Nos.	63	64	65	66
Sections	3	4	5	6
Bins	36	48	60	72
Wt, lbs	180	210	230	260
Each	✣$169 50	✣186 75	✣203 70	✣220 50
Nos.	67	68	69	70
Sections	7	8	9	10
Bins	84	96	108	120
Wt, lbs	280	300	325	350
Each	✣237 60	✣254 55	✣271 65	✣288 60

One in crate.

✣F. O. B. Ohio Factory Only.

REVOLVING NAIL BINS

REVOLVO

(Nos. 23 to 30B)

(Nos. 13 to 15)

Each Bin will hold one keg of nails.

Bins are annealed sheet steel. Each bin is hand riveted and perfectly finished. Stem is of best steel tubing. Each section works independently of the other.

Each section is hung on ball-bearings and turns with the same ease whether full, partially full or empty.

Each section contains five bins.

NEW STYLE, Without Scales.

Extra wings in front, giving to each bin 20 to 30 pounds greater capacity.

Nos.	23	24	25
Sections	3	4	5
Bins	15	20	25
Capacity, each bin, lbs	120	120	120
Diam, ins	48	48	48
Height over all, ins	44	58	71
Wt each, lbs	300	350	400
Each	✣$230 85	✣268 65	✣303 00

Nos.	15B	20B	25B	30B
Sections	3	4	5	6
Bins	15	20	25	30
Capacity, each bin, lbs	110	110	110	110
Diam, ins	48	48	48	48
Height to top of bin, ins	34	46	58	70
Wt each, lbs	300	325	360	400
Each	✣$198 00	✣234 00	✣270 00	✣306 75

OLD STYLE, Without Scales.

Nos.	13	14	15
Sections	3	4	5
Bins	15	20	25
Capacity, each bin, lbs	100	100	100
Diam, ins	45	45	45
Height over all, ins	44	58	71
Wt each, lbs	300	350	400
Each	✣$201 90	✣230 25	✣256 50

One in crate.

SCALES FOR NAIL BINS

May be adjusted to raise or lower to any section of nail bin by use of a chain.

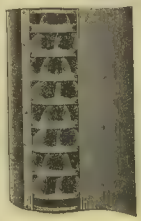
Each

No. 5NB—Scales, with scoop; wt each, 20 lbs ..... ✣$39 75

Packed loose.

✣F. O. B. Ohio Factory Only.

SCREW AND NUT CASES



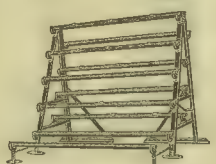
REVOLVO

All steel construction with heavy cast base; stem of steel tubing. Sectional revolving on a full metallic ball-bearing action. Will not sway or topple over. Label holders are conveniently placed for indexing contents. Diameter 18 inches.

Nos.	19	20
Sections	9	10
Bins	90	100
Height, ins	39	42
Wt each, lbs	150	170
Each	✣$192 00	✣213 75

LINOLEUM DISPLAY RACKS

"BEST"



Built entirely of metal; all parts are steel except the roller-bearing brackets and clamps on the steel roller tubes, which are gray iron castings.

The clamps on the steel roller tubes catch the linoleum in several places, holding it smoothly, so that it rolls onto the tubes straight. Tubes are supported by roller bearing brackets, permitting the linoleum to be easily rolled and unrolled. The roller tubes may be securely locked to prevent the linoleum unrolling.

Included with each rack is an auxiliary tube from which the linoleum is rolled onto the rack so that it does not have to be lifted on. The crank is well designed and made of iron with a wood grip.

Size 8-4 (6 Feet)

Length 6 ft 8 ins; depth 36 ins; height 5 ft 7½ ins.

Nos.	84-5	84-6	84-7	84-8	84-9
Capacity, Rolls	5	6	7	8	9
Each	✣$165 00	✣187 50	✣205 50	✣223 50	✣240 00

Size 16-4 (12 Feet)

Length 13 ft; depth 36 ins; height 5 ft 7½ ins.

Nos.	164-5	164-6	164-7	164-8	164-9
Capacity, Rolls	5	6	7	8	9
Each	✣$214 50	✣236 25	✣255 00	✣279 00	✣309 00

✣Screw and Nut Cases—F. O. B. Ohio Factory Only.

✣Linoleum Display Racks—F. O. B. Illinois Factory Only.

PETITE Baby Dolls

Happy Tot
A PETITE BABY

The Baby You Can't Resist

The lovable dimpled laughing baby that captures all hearts, holding in its chubby fist an unbreakable bottle with milk fluid and a real rubber nipple, ONE of the many interesting items in the "PETITE" doll lines.

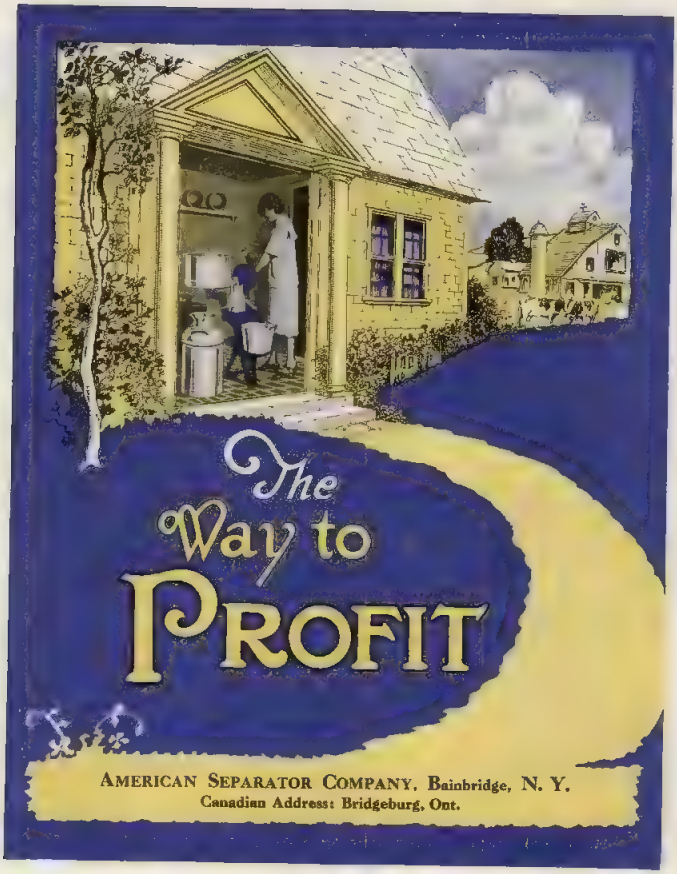
Made in the larger sizes with the bottle and without the bottle, with lovely dimpled baby hands.

When "Lindy" marched up Fifth Avenue, this "Lucky Aviator Kid" was there to greet him. It met with extraordinary success. Perfect from goggles to boots, in every detail—it "sold out" in a few days. We show it here merely to illustrate the fact that "Petite" dolls are always timely—always carried out to the finest point of perfection.

AMERICAN CHARACTER DOLL CO., INC.

Now at 20 East 17th Street, New York—Just a few steps from Broadway

Salesrooms and Showrooms in All Principal Cities



A CATALOG COVER

BLACK PLATE COMBINATION HALF TONE AND LINE
2 COLOR PLATES, ZINC, BEN DAY

DESIGNED AND ENGRAVED BY
S. J. KELLEY ENGRAVING CO.
BINGHAMTON, N. Y.

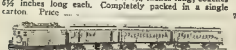
PRINTED BY
JOHNSON CITY PUBLISHING CO.
JOHNSON CITY, N. Y.

"American Flyer"

ELECTRICAL AND MECHANICAL TRAINS, TRANSFORMERS AND ACCESSORIES

Each

N74610—**A new brilliantly red** colored 21-inch train with a powerful locomotive equipped with protected headlight and nickel-plated pantagraph. Has 8 pieces curved track, making an 88 inch circle, 6¾ inches long; coaches 6¾ inches long each. Completely packed in a single carton. Price 7.76



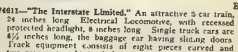
Each

N74614—**The Jeffersonian.** The entire 40-inch long train is finished in a beautiful Thistle Green. Locomotive is 9⅝ inches long and has automatic track reverse, protected headlight and neatly proportioned pantagraphs, hand rails and brass journal boxes. All cars are 9⅝ inches long each, and are equipped with four wheel trucks and brass vestibule steps. The Observation and Pullman Cars have one interior electric light each. Track consists of eight pieces curved and eight pieces straight, two reverse clips and the necessary binding clips forming a 182 inch oval. Completely packed in a single carton.....$1.88

American Flyer Trains are exact replicas of famous crack trains. Beautiful in color and design. Marvelous in mechanical precision.

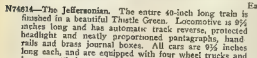
Each

N74611—**"The Interstate Limited."** An attractive 3-car train, 24 inches long. Electrical Locomotive, with recessed protected headlight, 8 inches long. Single truck cars are 6½ inches long, the baggage car having sliding doors. Track equipment consists of eight pieces curved and two pieces straight track forming an oval 102 inches in circumference. Complete train, securely packed in a single carton 3.36



Each

N74613—**The Oriental Limited.** Locomotive has brass journal boxes. Pullman Car and observation car each have an interior electric light. Cars have double four wheel trucks and are 6⅝ inches long. Has eight pieces curved, four pieces straight track and two reverse clips, forming a 122 inch oval 4.70



Each

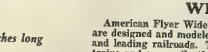
N74615—**The Bluebird.** A very complete outfit, train, tunnel, station, semaphore, etc. Its completeness is certain to please any youngster and do much toward showing him the possibility of building a real railroad. The entire train is in blue. The train equipment consists of locomotive, 9½ inches long, equipped with brass journal boxes, recessed type protected headlight, nickel plated hand rails bell and pantagraph. Cars have double trucks and are 6½ inches long. Passenger and Observation Cars have one interior electric light each. Track consists of eight pieces curved and six pieces straight, forming a 148 inch oval. Price..... 6.66

WIDE GAUGE ELECTRICS

47 inches long

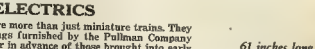
American Flyer Wide Gauge Electric Trains are more than just miniature trains. They are designed and modeled from up-to-date drawings furnished by the Pullman Company and leading railroads. They embody features far in advance of those brought into early trains and are easily the outstanding class offering of the year.

61 inches long



Each

N74615—**The Eagle.** A new train, generously proportioned, well constructed, yet moderately priced. The color is green with red and black trimmings. It is 47 inches long. Locomotive is 13¼ inches long, and equipped with manual reverse, nickel-plated headlight, pantagraph, bell and hand rails. Nameplates are brass. Cars are 14½ inches long, and have one interior electric light each, while the observation car has an additional light in the platform dome, and polished brass platform railing. Cars are mounted on the famous American Flyer high speed 3 point suspension trucks. Track consists of eight pieces curved and two pieces straight forming a 180 inch oval. Packed in a single carton.. $8.66



Each

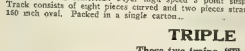
N74616—**The Commander.** Finished in a brilliant orange. It is 61 inches long, locomotive is 13¼ inches long, equipped with manual reverse and nickel-plated protected headlight, bell, pantagraph and hand rails. Name plates, journal boxes and air tanks are of polished brass. Cars are 14½ inches long, and have one interior electric light each, while the Observation Car has an additional light in the platform dome, and polished brass platform railing. Cars are mounted on famous American Flyer high speed three point suspension trucks. Track consists of eight pieces curved and four pieces straight forming a 184-inch oval. Completely packed in a single carton 37.80

TRIPLE ACTION REMOTE CONTROL

6 feet long

These two trains, "The Chief" and "The American Legion Limited" are equipped with the American Flyer Triple Action Remote Control, a most sensational innovation to the miniature train field. It not only reverses the train from one direction to another anywhere along the track but will also stop and again continue in a forward direction without first reversing.

62 inches long



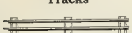
Each

N74617—**"The Chief."** The four-wheel locomotive is 13½ inches long and is fitted with Twin Reversible Headlights, large pantagraphs, bell hand rails and ladders, all finished in polished nickel. Name plates, air tanks and journal boxes are of brass. Mail Car features sliding doors, vestibule diaphragms and two interior electric lights. Also Automatic Mail Bag Catcher and Bag. Pullman Car features swinging vestibule doors that close automatically, vestibule diaphragm and three interior lights. Observation Car features polished brass platform railing, illuminated platform train sign platform dome light with red rear and green side lights, and has two additional interior electric lights. All cars are 19½ inches long, and are fitted with automatic couplers, that are really automatic, and are mounted on American Flyer high speed three point suspension trucks. They are equipped with brass journal boxes, brass vestibule steps and black Japan air tanks and battery boxes. The entire train is finished in a rich Imperial Buff with other harmonious lithographic colors. Complete, packed in a single carton, with eight pieces curved and eight pieces straight track, and the necessary fittings to make a 29 ft. oval $3.00

Each

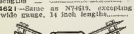
N74693—**"The American Legion Limited."** Really, a beautifully decorated train, and one of our most outstanding train sets for anything near the price. Triple Action Remote Control is 15 inches long, and is equipped with the famous American Flyer Twin Reversible Polished Nickel-plated head lights, large pantagraph, bell and hand rails. Journal boxes and air tanks are brass. Cars are lithographed in red with harmonious color decorations, and are 16 inches long. They are equipped with automatic couplers, brass vestibule steps and brass journal boxes. Baggage car and Pullman car have two interior electric lights while the observation car has one in the interior, one in the platform canopy that illuminates the red rear and green side lights and one in the train sign, making nine electric lights included in the set. The entire set, including eight pieces curved track, and six pieces straight with the necessary binding wire to make a 210 inch oval, is packed in a single carton..... 49.00

Tracks



N74618—ELECTRIC STRAIGHT TRACK—2 gauge; 10 inch lengths. Per doz. 3 40
N74619—Same as N74618, excepting wide gauge, 14 inch lengths. 4 80

N74619—ELECTRIC CURVED TRACK—2 gauge, 10½ inch lengths. Per doz. 2.40
N74621—Same as N74619, excepting wide gauge, 14 inch lengths. 4.80



N74622—ELECTRIC TRACK CROSSOVER—2 gauge. Per doz. 16.00
N74623—Same as N74622, excepting wide gauge. 21.60

N74624—ELECTRIC SWITCH—Length 10½ inches 2 gauge. Per pair 4.00
N74625—Same as N74624, excepting wide gauge. Length, 14 inches. 7 80

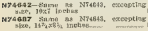
Bridges

N74640—CULVERT—Made entirely of metal. One length of straight stamped track approaches each end. Curved stamped track strengthens each end, with metal side walls bearing advertisements of the Chicago, Milwaukee & St Paul, Olympian Pioneer Limited. Per doz. 20.00

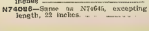
N74638—RAILROAD BRIDGE—Made of steel, with steel wire supports. Enameled in red and silver. Five lengths of straight track in all—three on the bridge, and one at the approach to each end. Height 2¼ inches, width, 6¼ inches. Each 5.00

N74643—TUNNEL—Molded paper mache tunnel for 0 gauge. Size 9x7 inches. Per doz. 11 20
N74642—Same as N74643, excepting size, 19½ inches. 13 60
N74687 Same as N74643, excepting size, 31½x9½ inches. 16 00
N74645—TUNNEL—Hand moulded plaster cement tunnel for wide gauge or 0 gauge. Length, 18 inches. Each 3 24
N74646—Same as N74644, excepting length, 23 inches. 5.20

N74644—TUNNEL—Hand moulded plaster cement tunnel for wide gauge or 0 gauge. Length, 24 inches. Each 4.00



N74645—TUNNEL—Hand moulded plaster cement tunnel for wide gauge or 0 gauge. Length, 30 inches. Each 4.80



N74646—TUNNEL—Hand moulded plaster cement tunnel for wide gauge or 0 gauge. Length, 36 inches. Each 5.60

American Flyer

Electric Railway Mechanical Trains

THE first consideration that enters the mind of the ultimate purchaser of a train set is the question of adding accessories. Featured on this page is a very choice representation of electrically lighted and electrically operated accessories as well as those that are manual in operation and without electrical connections.

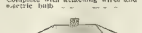
Stations

Electrically Lighted

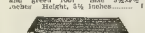
N74633—FREIGHT STATION Wall type sliding doors. Size, 12x7½x7 inches. Each 3.24

N74628—ELECTRIC LIGHTED PASSENGER STATION Here is something new in the way of accessories. A passenger station with electric light for the platform. Two sliding doors. Size, 8½ inches wide, 5½ inches high. Complete with attaching wires and electric bulb. Each 3.14

N74627—PASSENGER STATION—Lithographed sides with gray base and green roof. Size 5¼x3½ inches. Height, 5¼ inches. Per doz. 12.40

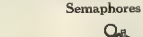


N74634—ELECTRIC LIGHTED STATION This station has 3 floors. One at each corner of the platform and one light inside. It is nicely lithographed and measures 12 inches long, 7 inches wide and 7 inches high. Complete with bulbs and electric wires. Each 4.68



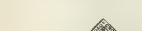
N74639—PASSENGER STATION Size, 6x6x3½ inches. Per doz. 6.60

Semaphores and Danger Signals



N74632 N74631

N74633—SINGLE ARM SEMAPHORE. Per doz. 4.00
N74632—DOUBLE ARM SEMAPHORE. 10.40



N74648 N74635

N74648—SINGLE ARM TELEGRAPH POLE. Per doz. 4.00
N74635—DANGER SIGNAL. 4.00

Tank

N74630

N74630—MINIATURE RAILROAD TANK—Height, 9½ inches. Per doz. 14 00

Crossing Gates

Electrical

N74634 N74647

N74634—ELECTRIC CROSSING GATE. Per doz. 32.00
N74647—CROSSING GATE—For 0 gauge. Height 10½ inches. Each 6.00

Electric Accessories

Danger Signal

N74685 Each

N74685 AUTOMATIC DANGER SIGNAL—With light and track terminal and special track. Height, 11 inches. 4.80

Train Control

N74628

N74628—AUTOMATIC TRAIN CONTROL—For 0 gauge. Height, 10½ inches. Each 7.50
N74629—AUTOMATIC TRAIN CONTROL—For 2¾ inch gauge. Height, 10½ inches. 7 80

Street Light

N74644

N74644—STREET LIGHT—Height, 5½ inches. Each 2 67

Arc Lights

N74646—SINGLE ARC LIGHT Height 5¾ inches. Each 2.00

Transformer

N74626—AMERICAN FLYER TRANSFORMER—Air cooled, 110 volt, 60 cycle, alternating current, 75 watt. Size 4x4 inches. Height, 3 inches. Connecting cord and plug. Each 6 20
N74627—Same as N74626, excepting for wide gauge. 7.34

"The Gold Coast Limited"—26½ inches long—attractively streamlined in buff with varnished decorations. Catalog No. 19. Retail price $5

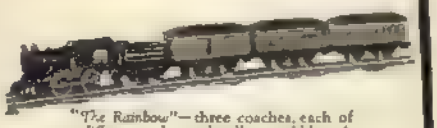
Easy-to-wind

American Flyer 1927 MECHANICAL TRAINS

"Rivaled Only By the Rainbow"

Stronger Motors

"The Viking"—25 inches long—figure 8 track 160 inches long—lithographed in an alluring shade of blue. Catalog No. 5. Retail price $3.50



"The Rainbow"—three coaches, each of a different color, red, yellow and blue. A bright hued 31-inch train, catalog No. 3. Retail price $3.10

"The Wolverine"—a reliable train at a low price. Catalog No. IX. Retail price $2

SLIDING DOORS IN ALL BAGGAGE CARS

Longer Running

American Flyer Mechanical Trains—"Standard of Comparison since 1907"—offer you this year an even greater profit outlook than in years gone by! When we say compare the merchandise of last year we actually invite comparison of the 1927 merchandise with that of 1926.

Do you buy by catalog number or specifications? When you buy American Flyer merchandise by number we guarantee to deliver exactly what you expect to receive, and oftentimes more. For instance, our No. 2 Mechanical Train this year is priced to retail at $2.60, and it is worth every penny. It is the same train as was designated by No. 2 during 1926, plus improvements.

You, of course, want to handle a reliable line made by a company whose position in the industry will insure you a continued source of supply of merchandise of known quality in the years to come.

The 1927 mechanical motors are especially worthy of note—easy-winding, stronger, longer-running. Wider springs, steel gears and pinions, friction disc clutch, and a winding key that Screws On or Off, preventing the danger of breakage if wound in the wrong direction or losing key.

This 20th Anniversary line fully carries out the American Flyer ideal of a concentrated, fast selling line for dealers: a line representing the very extreme in turn-over and profit—a complete line, yet one free from slow movers.

The Six Million Satisfied Owners of American Flyer equipment are destined to grow tremendously in 1927. Arrange NOW to get your share of this business. A few representative mechanical trains are pictured here. Ask your jobber to show you the full American Flyer line of mechanical and electrical trains.

American Flyer's 20th Anniversary Four-Color Catalog is now READY. Write for your copy.

AMERICAN FLYER MFG. CO.
2219-39 South Halsted Street, Chicago, Ill.
Visit our permanent New York display at the "Toy Center"
200 Fifth Avenue, New York
General Distributors for Structo Toys

Mechanical Trains $1 to $5

"American Flyer"
Transformers Electric Trains Mechanical Trains

Electrical Trains $5.75 to $55

This modernistic duograph of a technical product, besides achieving the effect of several colors, presents a difficult subject in an interesting manner.

This insert of four pages is Designed, Engraved, and Printed by the
ROSENOW COMPANY, CHICAGO
on BRYANT PAPER COMPANY'S RADIUM ENAMEL, 80 lb. basis,
distributed by SEAMAN PAPER COMPANY

SCREW CASES

AMERICAN

Revolving, Octagon Shape.

Poplar, cherry stained; metal drawers, with wood fronts, white porcelain knob on each drawer; top part revolves on base; the drawers are all provided with stops to prevent their removal from the case, each drawer holds a package of screws of the size and number indicated on the front of the drawer.

Nos.	1-$	2-$	3-$	4-$
Drawers	72	80	88	96
Height, ins	33	36	39	42
Width, ins	21	21	24	25
Wt lbs	125	125	130	130
Each	✚$157 50	✚178 50	✚195 00	✚210 00

One in crate.

No. 1$—Screw case contains drawers labeled for the following sizes of screws:

¼ inch x 3, 4, 5, 6, 7.
⅜ " x 5, 6, 7, 8.
½ " x 5, 6, 7, 8, 9.
⅝ " x 7, 8, 9, 10.
¾ " x 6, 7, 8, 9, 10, 11, 12, 13, 14.
1 " x 7, 8, 9, 10, 11, 12, 13, 14.
1¼ " x 7, 8, 9, 10, 11, 12, 13, 14, 15.
1½ " x 8, 9, 10, 11, 12, 13, 14, 15, 16.
1¾ " x 9, 10, 11, 12, 13, 14, 15, 16, 17.
2 " x 10, 11, 12, 13, 14, 15, 16, 17, 18.
2½ " x 12, 13, 14, 15, 16.
3 " x 16, 18, 20, 22.

No. 2$—Screw case in addition to No. 1.

⅜ inch x 2, 3, 4.
⅝ " x 4.
¾ inch x 4, 10.
⅞ " x 6, 11.

No. 3$—Screw case in addition to No. 1.

¼ inch x 1, 2.
⅜ " x 2, 3, 4, 5.
⅝ " x 4, 9.
⅞ " x 4, 10.
⅛ inch x 6, 11, 12.
1 " x 15.
1¼ " x 16.
1½ " x 18.

No. 4$—Screw case in addition to No. 1.

¼ inch x 1, 2.
⅜ " x 2, 3, 4, 5, 6.
½ " x 8.
⅝ " x 4, 9, 10, 11.
¾ inch x 4, 10, 11, 12.
⅞ " x 6, 11, 12.
1 " x 15, 16.
1½ " x 16, 18, 20.

✚F. O. B. Ohio Factory Only.

BOLT AND SCREW CASES

BROWN'S PERFECTION

Revolving.

Oak, hard oil finish; will hold more bolts than other case of same size, because the drawers are square, with no waste space at center, each drawer is labeled with size of screw or bolt, which it is intended to contain. Each drawer will hold a full package of the size indicated; the case revolves easily.

BOLT CASES

Each

No. 40—Forty drawers, height 37 ins; diam 22 ins; wt each 180 lbs. ✚$72 00

No. 40 bolt case, contains drawers labeled for the following sizes of bolts:

¼x1½, 1¾, 2, 2¼, 2½, 3, 3½, 4, 4½, 5.
⁵⁄₁₆x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 6.
⅜x2, 2½, 3, 3½, 4, 4½, 5, 6, 7, 8.
½x3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10.

SCREW CASES

Each

No. 80—Eighty drawers, height 37 ins; diam 22 ins; same as No 40 except with smaller drawers; wt each 180 lbs. ✚$95 55

No. 80 screw case contains drawers labeled for the following sizes of screws:

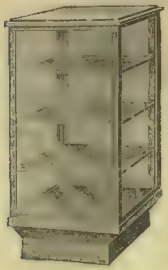
¼ in. x 1, 2, 3 (in one drawer).
⅜ " x 2, 3, 4, 5.
½ " x 2, 3, 4, 5, 6.
⅝ " x 4, 5, 6, 7, 8.
¾ " x 5, 6, 7, 8, 9.
⅞ " x 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.
1 " x 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.
1¼ " x 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
1½ " x 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
1¾ " x 9, 10, 11, 12, 13, 14, 16.
2 " x 9, 10, 11, 12, 13, 14, 16.
3 " x 12 x 14, 16.
3 " x 14, 16, 18.

One in crate.

✚F. O. B. Tennessee Factory Only.

It's the quick service you give your customers that makes permanency in business. Are your lines of builders hardware, cabinet hardware, rough hardware, barn door equipment, etc. complete?

DISPLAY CASES



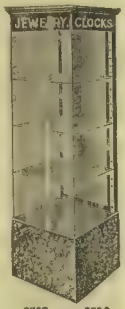
UPRIGHT

Height 54 inches; width 24 inches; depth 24 inches. Selected oak, golden oak finish 20 inch glass top; double strength glass front and ends. Clear glass hinged door back. Three full width wood shelves on stationary brackets. Recess base.

Each

No. 280 - Weight each 200 lbs ..... ✣$119 10

Shipped K, D, in wood box.



OUTSIDE, UPRIGHT

Height 6 feet. Selected oak, golden oak finish. Georgian Creole marble base on front and ends 13 inches high. Plate glass front and ends with exposed edges polished. Clear glass hinged door back with lock; polished plate glass shelves on nickel plated brackets and standards. Metal lined top.

Nos.	259A	259B	259C
Width, ins.	18	22	26
Depth, inches	18	22	26
Approx wt each, lbs.	260	302	360
Each	✣$263 10	✣321 90	✣382 05

Shipped set up, crated,

UMBRELLA AND CANE CASES

Oak, golden oak finish; top lid lifts and has stays to hold it in position when open; double strength A glass.

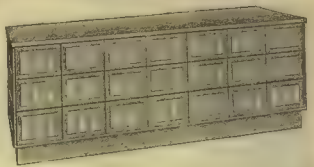
Each

No. 063-C—66 piece; height 46 ins; width 29 ins; depth 16 in; approx shipping wt 125 lbs ..... ✣$123 00

Shipped knocked down.

✣Nos. 063C—F. O. B. Georgia Factory Only.
✣Nos. 280 and 259A to 259C—F. O. B. Missouri Factory Only.

GROCERS' COUNTERS



Height 36 inches; width at top 24 inches. The front display is separate from the drawers and slide into position, being held firmly from the front. Display boxes have removable back, so that a thin or thick display can be made.

(Back View.)

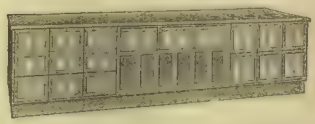
The drawers in the rear slide into separate pockets, which prevents mice or vermin from getting from one into another. In opening the drawers the display in the front is not molested. Drawers are 7½ inches deep, 12 inches wide and 20 inches long on the inside.

Plain Oak, Golden Oak Finish.

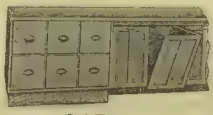
Each

No. 609D—Length 9 ft, 11 ins; 24 drawers ..... ✣$496 65

Shipped set up; approx wt each 400 lbs



Height 36 inches; width at top 24 inches; length 12 feet Nine drawers of uniform size 19 inches long, 12 inches wide and 7½ inches deep on the inside; on left hand end, six drawers 19 inches long 13 inches wide and 12 inches high on the inside. The center is fitted with three tilting bins, each 15½ inches wide, 18½ inches deep and 24 inches high, inside measure. Independent display pocket in front of each drawer can be easily removed.



(Back View.)

Drawers slide into separate pockets which prevents mice or vermin from getting from one to another. Bins can be lifted out for cleaning and are made as near dust proof as possible.

Plain Oak, Golden Oak Finish.

Each

No. 610—Wt each 500 lbs ..... ✣$537 60

Shipped set up.

✣F. O. B. Missouri Factory Only.

Kitchen, Wall, Office and Alarm Clocks

KITCHEN CLOCKS

Victor Assortment of Kitchen Clocks, very fancy ornamental cases, made of seasoned wood, varnished finish, 23¾ in. high, fancy carved, ornamented glass doors, fitted with guaranteed American movements, 8-day half hour strike, best values in the line assorted 4 styles, 2 of each 4 oak and 2 walnut finish, in case, no less sold.

No. 60W60. Per case of 6.. 19.45
Each 3.45

REGULATOR

Store Clock, fancy oak case, height 37 in., width 16¼ in., 12 inch dial. Each in box

No. 60W61. 8 Day Time. Each 7.15

No. 60W62. 8 Day Strike Each 8.25

CUCKOO CLOCKS

Cuckoo Clocks, height 14½ in., width 13 inches, 5½-inch dial, half-hour strike with cuckoo, winds with weights, white ivorized hands and figures, fancy carved walnut case and pendulum

No. 60W135. Each 7.50

CALL ME ALARM CLOCK

Call-Me Electric Alarm Clock. Guaranteed time keeper with electrical attachments. Press the button and see the time at night. May also be used as a call bell by changing the tips on end of cord, and by detaching cord it makes a most excellent portable clock. Fitted with forty hour guaranteed American made movement, convex glass. Cabinet is finished hand rubbed mahogany finish. Alarm is operated by a dry battery in the clock cabinet and will ring until the switch is shut off. Size 11 inches high by 7½ inches.

No. 60W69. Each 6.85

HALL REGULATOR

Store or Hall Clock, 12 in. dial, octagon shape, guaranteed movement. Solid oak case, gloss polish, heavy veneer front, 27 in. high, packed in box

Each

60W65. 8 day time 5.00
60W67. 8 day strike 8.00

ANSONIA AUTO CLOCKS

Auto Clock, 2¾ inches in diameter, 30 hours. Not necessary to cut any hole in the dash. Screws and bolts furnished with each clock. Highly nickel plated, guaranteed

No. 60W187. Each 1.85

Auto Clock, 3 in. diam., 30 hrs., second hand, beveled glass, stem wind, screws and bolts furnished, highly nickeled, guaranteed.

No. 60W186. Each. 3.50

Imported French Clock Sets

French Clock Set. Made in design shown of colored marble with bronzed ornaments. Clock has fourteen-day pendulum movement. Half hour and hour strike on bell, height of clock 15½ inches, width 8 inches. Pair of vases to match. Height 11¾ inches.

No. 1C100. Per set (3 pieces)..... 52.50

French Clock Set. Made of figured green marble with bronze ornaments. Fourteen-day pendulum movement clock. Half-hour and hour strike on bell. Height of clock 15½ inches, width 7¾ inches. Pair of candlesticks to match. Height 11 inches, spread 7¾ inches.

No. 1C101. Per set (3 pieces)..... 59.50

ELECTRIC FANS.

"CENTURY.

The ability of Century Fans to Keep Running has been the governing factor in their construction.

Their design and construction is such that when viewed from the standpoint of appearance, efficiency and the amount of air moved and the speed control, they will prove highly satisfactory to all interested in fans

The fact that all portable fan motors are fully enclosed insures satisfactory operation in dusty places and even under the most extreme climatic variations of temperature and humidity encountered in tropical countries.

Each part is constructed of the best material adapted to the particular requirement, and is interchangeable through its having been made to fit standard jigs and gauges

A record is kept of the performance of each fan while being tested, after a substantial period of operation, to determine that it meets the performance limits we have established as standard.

NON-OSCILLATING.

110 Volt—Alternating.

		Net Each
NO. 609—9 inch, 4 blade	List $10.00	$15.00
NO. 612—12 inch, 4 blade	List $14.00	$21.00

OSCILLATING.

110 Volt—Alternating.

NO. 709—9 inch, 4 blade	List $15.00	$22.50
NO. 713—12 inch, 4 blade	List $25.00	37.50
NO. 716—16 inch, 4 blade	List $29.00	43.50

CEILING FANS.

110 VOLT ALTERNATING.

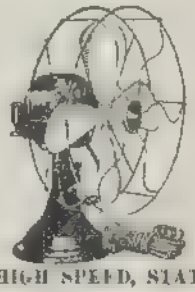
58 Inch Sweep.

		Net Each
NO. 518	List $43.50	$65.26

"WAGNER."

For Silent, Stimulating Breezes.

A buzzing fan irritates your heat-worried nerves, but a silent Wagner Fan soothes them by quietly stirring up a stimulating flow of live air. You'll need keen ears to hear it running. The blades slice through the air smoothly at a nicely calculated angle and force out a breeze that reaches 12 per cent further than other leading makes of fans. No noisy batting of air. Hum, buzz and vibration are almost entirely eliminated from the finely built Wagner Quality motor that drives this fan



SILENT, HIGH SPEED, STATIONARY.

		Net each
NO. 9160—Diameter 9-in., 110 volt, 60 cycle A. C. Finish, black with brass blades.	List $10.00	$15.00
NO. 6160—Diameter 12 in., 110 volt, 60 cycle, 110 volt A. C. Finish, black with brass blades.	List $23.00	36.80

HIGH SPEED 3 SPEED CONTROL OSCILLATING.

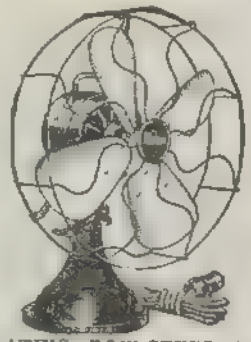
		Net each
NO. 5260—Diameter 10-in., 110 volt, 60 cycle A. C.	List $16.50	$24.76
NO. 6260—Diameter 12-in., 110 volt, 60 cycle A. C.	List 30.00	45.00
NO. 8260—Diameter 16-in., 110 volt, 60 cycle A. C.	List $35.00	52.50

Nos. 5260, 6260, 8260, are all finished in jet black with highly polished brass blades.

All Wagner Fans Are Four Blade.

"WAGNER."

The Wagner slow speed fan has grown out of the demand for an absolutely silent fan that will thoroughly and positively provide proper and efficient ventilation. The slower R. P. M. of the fan reduces the so-called blast of air and on that account is practically noiseless in its operation.



OSCILLATING—LOW SPEED, 3-SPEED CONTROL.

NO. 6460—Diameter 12-inch., 110 volt, 60 cycles A. C.	List $30.00	$45.00
NO. 8460—Diameter 16-inch, 110 volt, 60 cycle. A. C.	List $35.00	52.50

"WAGNER" CEILING FANS.

Net each

NO. 8960—4-blade 56-inch sweep, 110 volt A. C., 60 cycle, weight 90 lbs. List $52.00 $78.00

3-speed switch in base, complete with hook, loop and canopy.

VENTILATING FANS, 110 VOLT A. C. 60 CYCLE.

		Net each
NO. 6560—12-inch, 4 blade	List $27.00	$40.50
NO. 8560—16-inch, 4 blade	List $31.00	46.50

Mounted in round cast iron frames for mounting on flat flush surface.

SPECIFICATIONS.

No. 6560—Inside diameter of iron frame 13 inches, outside diameter 15¼ inches, covers 14½-in. circle.

No. 8560—Inside diameter of iron frame 17 inches, outside diameter 19¼ inches, covers 18½-in. circle.

NOTE: Wagner Fans can be furnished to meet any special voltage or cycle requirement. Write us for quotations on any special requirement.

APOLLO BICYCLE

FOR THE YOUNG MAN

Model A400

Built for the Discriminating Buyer who Wants the Best

29.75 Each

SPECIFICATIONS

FRAME. Built on regular 26-inch Diamond frame line, but with 2 inch drop of upper bar, at seat post mast, this making a specially desirable model with full size wheels and tires. Made of 1 inch 19 gauge high carbon steel tubing, flush joints.

WHEELS. 28 inch

FORK. Drop forged, oval crown seamless fork sides. 17 gauge

CRANK HANGER. Drop forged 7 inch cranks, three-piece, removable without disturbing cups.

FRONT HUB. New Departure.

FINISH. Handsomely enameled in carmine. Hand rubbed, tastefully decorated with fancy white head

COASTER BRAKE. New Departure.

RIMS. One-piece maple, enameled to match frame.

CHAIN. ⅛ inch roller

SPOKES. Highest quality, 36 inch front, 36 inch rear

TIRES. United States Chain Black Tread

HANDLE BAR. Adjustable forward extension with long rubber grips.

SADDLE. Motorbike style

APOLLO MOTORBIKE

THE YOUNG MAN'S FAVORITE

Model A900

The Zenith of Bicycle Quality

32.75 Each

SPECIFICATIONS

PEDALS. Rubber.

GUARDS. Deep drop side.

FRAME. Flush joint, 1 inch, high carbon steel tubing, extra heavy and strongly reinforced 22 inch frame measuring 20 inches at seat post

WHEELS. 28 inch

TRUSS FORK. Motorcycle style as illustrated, made of 17 gauge high carbon steel tubing handsomely decorated

CRANK HANGER. Drop forged one piece, 7 inch; can be removed without disturbing cups

FINISH. Handsomely enameled in Brewster green, decorated with fancy white head. Four coats, hand rubbed

FRONT HUB. New Departure

COASTER BRAKE. New Departure

RIMS. One-piece maple enameled to match frame

CHAIN. ⅛ inch roller.

SPOKES. Highest quality, 26 inch front, 36 inch rear

TIRES. U. S. Chain black tread

HANDLE BAR. Motorbike style, adjustable extension, long rubber grips

SADDLE. Motorbike style

PEDALS. Rubber

GUARDS. Deep drop sides

Wright & Ditson "St. Andrews" Golf Clubs

The St. Andrews Wood Clubs have solid persimmon heads. Plain stain. Both irons and woods have good quality hickory shafts. Leather grips. Here are clubs that are not to be equalled elsewhere at the price.

			WOODS			IRONS	
No. 11R1.	Driver	Each	1.20	No. 11R10.	Midiron. Each		1.20
No. 11R3.	Brassie.	Each	1.20	No. 11R15.	Mashie. Each		1.20
				No. 11R25.	Putter. Each		1.20

"Shure Flight" Golf Clubs

Midiron

Driver

Niblick

Mashie

Jigger

"Shure Flight" Golf Clubs, both woods and irons are made of selected materials by expert workmen and are excellent values at the prices quoted. Nicely finished. Good grade hickory shafts with special prepared smooth leather grips. Irons are made with the Aim Rite scoring.

		WOODS	Each
No. 11R3.	Driver		1.75
No. 11R6.	Brassie		1.75
No. 11R30.	Spoon		1.75
		IRONS	
No. 11R12.	Diamond Back Midiron		1.75
No. 11R17.	Flange Sole Mashie		1.75
No. 11R21.	Mashie Niblick		1.75
No. 11R22.	Niblick		1.75
No. 11R24.	Musselback Jigger		1.75
No. 11R27.	Flange Sole Putter		1.75

Mashie Niblick

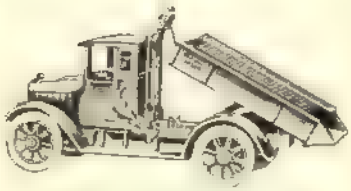
Putter

ARCADE TOYS

"They Look Real"

TOY McCORMICK-DEERING THRESHER

TOY 46 YELLOW CAB



RED BABY TRUCK (Dump Body)

TOY BUICK SEDAN

Sturdy cast iron toys, so designed and finished that they look like the real thing—is it any wonder Arcade Toys are popular with the children? With a final coat of bright glistening enamel, these toys represent to the children, real playthings out of their every day world. Miniatures of cars, trucks, busses, tractors and many other items with which they are well acquainted. Arcade Toys bring hours and hours of fun to the kiddies"—no clock work to get out of order and sturdy enough to stand the hardest knocks.

Arcade Toys represent year round profits to you. Ever increasing in popularity, you will find these worth while toys producing a constant income. Young America must play—rainy days, sunny days, indoors and out, you will find Arcade Toys in action everywhere.

Dealers are finding that Arcade Toys have shot full of holes the old tradition that Christmas is the only season for playthings. Children aren't being kept in a band box any more. Not much! Certainly not while there are Arcade Toys around the house to keep them busy in wholesome instructive play. Stock Arcade Toys for your own profit. You will find these toys to [illegible] quicker turnover and larger profits for you.

New York Office: 86 Warren Street
Chicago Office: 553 W. Randolph
Philadelphia Office: 37 N. Second St.

Write Us for Catalog
Ask Your Jobber for Prices

Made by the Tiny Arcadians

TOY BATHROOM SET

TOY PENINSULAR STOVE

CRANE KITCHEN SINK

ARCADE MANUFACTURING COMPANY

FREEPORT, ILLINOIS

"THE FLIGHT TO PARIS"

A NEW GAME

Retail Price $1.00

Right on time for the biggest sales opportunity in years

HERE is the game you have been wanting—keyed to the modern interest in aviation—ingenious—fascinating. Children and grownups, too, will thrill to its uncertainty and the element of luck introduced by an entirely new method of play.

Set new records for your game department sales with this up-to-the-minute merchandise. "The Flight to Paris" is played on a folding board, 16 inches square, design as shown in the illustration, lithographed in six colors.

READY NOW

A LARGE quantity of this game has been made up to meet anticipated demand. Orders already received have been so large, however, that you should send your order at once, to secure prompt shipment.

MILTON BRADLEY COMPANY

SPRINGFIELD, Mass.

NEW YORK OFFICE 221 FOURTH AVE.

Pla-Klay Sets

No 0

Per doz.

G5602—PLA-KLAY SETS. This set consists of four molds, roller, modeling tool, marker and red, green, blue and gray strips of clay. The clay is pressed into the molds and reproduced in a moment. Size 6¼x 9½ inches, ¼ dozen in a package, not broken 8.00

G5781—PLA-KLAY AND COOKIE CUT-OUT—Fancy lithographed box containing one large strip each of gray, brown, blue, and green modeling clay; 1 wood rolling pin, 4 tin animal molds; 2 cardboard casting molds, and a book of directions. Size, 11½x8¾ inches 16.00

Per doz.

Plastoy Clay

Per doz.

G6837—PLASTOY CLAY—This new clay in powdered form can be modeled, carved and painted. When dried it can be remixed with water. Will not crack, chip or crumble. Can be washed off leaving hands smooth and white. A metal and cardboard tube contains about four pounds of pulverized clay that can be mailed without wrapping 2.00

Everedy Modeling Outfits

Per doz.

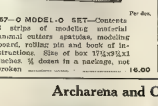
G5607—A small but complete set. There are five colors of clay, with one mould and set of tools together with instruction book ¼ dozen in a package, not broken 4.00

G5608—A fine set for the beginner. It is like G5607 only has two moulds and a bit larger in size. ¼ dozen in a package, not broken 8.00

G5609—Contains one more mould than G5608 and a little larger supply of clay. Comes complete with necessary tools and manual. ¼ dozen in a package, not broken 16.00

G5610—Contains five colors of clay, four molds, wood roller, modeling tools and instruction book. One in a package 24.00

G5611 The largest and most complete set. Contains a generous amount of modeling material, four embossed moulds. This set also has moulds and plungers for making several forms for building toy houses. One in a package 33.60



G6067—O MODEL-O SET—Contents 1 strips of modeling material, animal cutters, spatulas, modeling board, rolling pin and book of instructions. Size of box 17½x9¼x1 inches. ¼ dozen in a package, not broken 16.00

Per doz.

Table Croquet

Per doz.

G6017—TABLE CROQUET. This set contains three balls and mallets, nine wickets with bases, and stakes, and is put up in neatly lithographed box. Balls 1¾ in. diameter, mallet heads 1¾ inches, mallet handles 10 inches, wickets 5¼x3¼ inches, stakes 12 inches. Size of box 19¼x5¼x2¼ inches. ¼ dozen in a package, not broken 4.00

Per doz.

G5662—TABLE CROQUET Set composed of 3 mallets, 3 balls, 9 arches, 2 stakes. Mallets finished in natural wood, balls and stakes enameled, arches 5¼x3¼ inches. Size of box 19¼x5¼x2¼ inches. ¼ dozen in a package, not broken 8.00

G5653—TABLE CROQUET—Made up of 4 mallets and balls to match, enameled 2 stakes, 9 arches and instructions. Size of box 19¼x5¼ inches, ¼ dozen in a package, not broken 8.00

Per doz.

G6018—TABLE CROQUET Set, finished and varnished, with wickets colored stakes, irons and clamps. Put up in cardboard box with lithographed label. Size, 19¼x5¼ inches. ¼ dozen in a package not broken 8.00

G6527—LARGE PARLOR AND LAWN CROQUET This set can be played indoor and outdoor. Set consists of 4 enameled mallets, 32 inches long, 4 enameled balls 1¾ inches in diameter, 9 large arches 18 inch spread, 2 enameled starting posts, 2 nickel post plates with reinforcing in attractive box. Size 48x8½x6 inches 16.00

Table Tennis

Per doz.

G5826—TABLE TENNIS—Most popular of all indoor games. Can be played on any table. Set consists of two bats, net, 6 celluloid balls, net, wooden rail and clamps, rubber bands. Complete with directions in attractive lithographed box. Size 9¾x2 inches. ¼ dozen in a package, not broken 8.00

Per doz.

G5829—TABLE TENNIS—Same as No. G5826 except larger throughout. Complete with rules in attractive lithographed box. Size, 9¾x14 inches. 1-4 dozen in a package, not broken 16.00

Per doz.

G5749—TABLE TENNIS Popular priced edition of this famous indoor sport. Two bright finished full sized wooden rackets, two celluloid balls, green net and two posts with complete directions, in leatherette box 14x5 inches. ¼ dozen in a package, not broken 16.00

Ping-Pong Set

Each

G5271—OLD NEWPORT PING-PONG SET—Contains two handsome leather rackets, full leather bound and covered six best quality balls, net with nickel attachments, one 60 inch cotton net and two Essex posts with nickeled clamps 7.50

Each

G5869—PING PONG SET—Popular edition containing regular standard net and two balls 2.00

G5870—PING PONG SET—Contains two three-ply wildwood rackets, 42-inch Ping-Pong net, white bound, wooden posts with nickeled clamps, and three Ping Pong balls. With rules 3.00

Per doz.

G5872—P NG-PONG BALLS—Best match P-ng-Pong Balls. One dozen in a box not broken 3.00

Archarena and Crokinole Boards

Crokinole Side

Carrom Side

Each

N75075—ARCHARENA GAME BOARD —8½ pieces of equipment go with each board, mahogany finish rails and center three-ply veneer, guarantee-ply transfer. Plays 47 games. Size, 29x28 inches 11.00

Crokinole Side

Carrom Side -

Each

N75080—DELUXE COMBINATION BOARD—Mahogany Crokinole panel, felt lined and felt cushioned; 8½ pieces of equipment go with each board. Plays 47 games. Size 29x28 inches 15.00

Carrom Side

Crokinole Side

Each

N75076—ARCHARENA GAME BOARD—Has Crokinole on one side and Carrom on the other. Plays 2 games. 11 pieces of equipment go with each board. Size, 29 inches square 7.00

Crokinole Side

Carrom Side

Each

N75077—CROWN COMBINATION BOARD—Three-ply white maple panel, Crokinole panel on one side and mahogany finish, 8½ pieces of equipment to go with each board. Plays 47 games. Size, 29x29 inches. 9.80

Each

N75078—FOUR-SURFACE GAME BOARD—125 pieces of equipment. One hundred games can be played on this four-sided board. All the old standard games can be set up, a multitude of new ones. The crokinole panel can be detached and used as a separate and distinct game board. Equipment: 24 hardwood rings in four colors, 12 spider and web pads in three colors, 4 cushioned discs, 16 tenpin pegs, 2 sets of 12 cribbage pegging board, 2 dice, 48 Go-Bang men in four colors, 4 mens spinning rings in two colors, 1 complete rule book. 2 cues 12.00

Extra Carrom Rings and Discs

Per doz.

G5789—CROKINOLE DISCS—Twenty-four hardwood discs, 12 black and 12 white in a box 4.50

Per doz.

G5799—CARROM RINGS—Twenty polished hardwood rings in four colors, in box, for use on combination game boards 6.00

FROG SPEARS

Three tines of best tempered steel, length 2¼ inches; brass socket, with point protectors.

Per Doz
No. 3—Entire length 5 ins; width 1¾ ins $3 50

Packed loose; wt per doz 1¾ lbs.

Tempered steel tines; malleable iron shank; black enameled spear; bright tin protector.

Nos.	33	44
No. prongs	3	4
Length, ins	5	5⅝
Width, ins	1⅜	2⅛
Wt per doz, lbs.	1	1½
Per Doz	$3 45	4 50

One doz in cardboard box.

Four tines of best tempered steel length 2¼ inches; brass socket with point protectors.

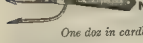
Per Doz
No. 4—Entire length 5¼ ins; width 2½ ins $7 50

Packed loose; wt per doz 2 lbs.

FISH SPEARS

Steel hand forged and tempered; mallable iron shanks; black enameled finish. The points and barbs are ground to a strong penetrating taper.

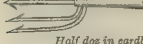
Three Tines With Socket.



Per Doz
No. 10—Length of tines 2¼ ins $11 70

One doz in cardboard box; wt per doz 4 lbs.

Five Tines With Socket.



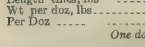
Per Doz
No. 5—Length of tines 5 ins $18 90

Half doz in cardboard box; wt per doz 12 lbs.

Five Tines Tanged.

Nos.	020	04
Length, tines, ins	4	4½
Wt per doz, lbs	5	7
Per Doz	$12 60	16 50

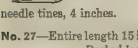
One doz in cardboard box.



Five tines, small size; hand forged of extra fine steel, with key for replacing tines. Length of needle tines, 4 inches.

Per Doz
No. 27—Entire length 15 ins; width 3½ ins $31 50

Packed loose; wt per doz 5½ lbs.



Five tines; medium size, hand forged, of extra fine steel, with key for replacing tines; length of needle tines 5 inches.

Per Doz
No. 25—Entire length 18 ins; width 4½ ins $54 00

Packed loose; wt per doz 11 lbs.

FISH GAFFS

LION

Steel, blue lacquer prongs; black enameled socket. The center teeth acts as a stop when opening and closing the gaff; also as a trigger for springing the gaff and by coming in contact with the fish or frog, closes the jaws automatically.

Per Doz
No. 2—Distance between points of the jaws when open, 5½ ins; suitable for small fish or frogs; wt per doz 7 lbs $43 95
No. 1—Distance between points of the jaws when open, 8½ ins; suitable for landing large fish; wt per doz 11 lbs. 62 80

One half doz in cardboard box.

CANOES

Selected cedar ribs and planking, covered with water-proof duck. Made with a wide flat bottom and at the same time has a comparative narrow appearance along the gunwhales, this being accomplished by the use of the tumblehome or incurve of the ribs, above the waterline. The hardwood stems are well curved and set off the smooth sweep of the open gunwhales and the 18 inch arrowhead decks.

ARROWHEAD MERAMEC MODEL

Hardwood outside gunwhales, decks, thwarts and seats, inside gunwhales of one piece selected spruce.

Nos.	1M-16	1M-17	1M-18
Length, ft.	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✣$180 90	✣189 00	✣196 95

Slate crated

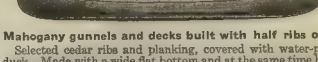
ARROWHEAD OSAGE MODEL

Mahogany gunwhales, decks, thwarts and seats.

Nos.	1-0-16	1-0-17	1-0-18
Length, ft	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✣$207 60	✣215 70	✣223 65

Slate crated.

ARROWHEAD GASCONADE MODEL



Mahogany gunnels and decks built with half ribs only.

Selected cedar ribs and planking, covered with water-proof duck. Made with a wide flat bottom and at the same time has a comparative narrow appearance along the gunwhales, this being accomplished by the use of the tumblehome or incurve of the ribs, above the water line. The stems are well curved and set off the smooth sweep of the open gunwhales and the 30 inch mahogany arrowhead decks.

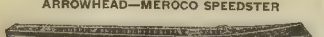
Nos.	2G-16	2G-17	2G-18
Length, ft	16	17	18
Width, ins	34	35	3
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✣$219 60	✣227 55	✣235 65

Slate crated.

✣F. O. B. Missouri Factory Only.

CANOES

ARROWHEAD—MEROCO SPEEDSTER



Mahogany Finish.

Selected cedar plankings and half ribs, all exposed metal parts are of brass; covered with special tightly woven canvas, treated with pure white lead preparation, built up to a smooth surface and finished with high grade colors and spar varnish. Very light in construction, weight eliminated without taking away the necessary strength and stability. The sponson or air chambers run the full length of canoe and are so scientifically built into the sides that added strength is given and motor vibration eliminated. Each

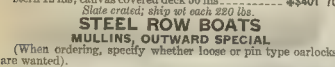
No. 1MS-17—Length 17 ft; width outside amidships 41 ins; depth bow 22 ins; depth amidship 16 ins; depth stern 12 ins; canvas covered deck 50 ins ..... **+$401 70**

Slate crated; ship wt each 220 lbs.

STEEL ROW BOATS

MULLINS, OUTWARD SPECIAL

(When ordering, specify whether loose or pin type oarlocks are wanted).

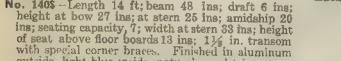


Designed and especially constructed for the application of detachable row boat motors. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern air-tight compartments, especially constructed and reinforced transom for attaching outboard motors and one pair 7½ ft. straight ash oars. Each

No. 140S—Length 14 ft; beam 48 ins; draft 6 ins; height at bow 27 ins; at stern 25 ins; amidship 20 ins; seating capacity, 7; width at stern 33 ins; height of seat above floor boards 13 ins; 1¼ in. transom with special corner braces. Finished in aluminum outside, light blue inside, natural wood trimmings; air chambers under deck like a life boat ..... **+$257 40**

Slate crated; wt 315 lbs.

MULLINS "SULTAN"

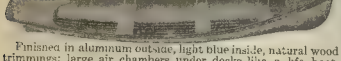


Finished in aluminum outside, light blue inside, natural wood trimmings; large air chambers under decks like a life boat. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern, air-tight compartments and one pair 7½ foot straight ash oars. Each

No. 16S—Length 16 ft; beam 50 ins; height at bow 25 ins; at stern 25 ins; amidship 15 ins ..... **+$237 60**

Slate crated; wt 275 lbs.

MULLINS "PRINCE"



Finished in aluminum outside, light blue inside; natural wood trimmings; air chamber under decks like a life boat. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern, air-tight compartments and one pair 7½ foot straight ash oars.

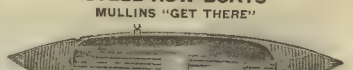
No. 14P—Length 14 ft; beam 44 ins; height at bow 22 ins; at stern 21½ ins; amidship 13½ ins ..... **+$217 80**

Slate crated; wt 225 lbs.

+Row Boats—F. O. B. Ohio Factory Only.
+Canoes—F. O. B. Missouri Factory Only.

STEEL ROW BOATS

MULLINS "GET THERE"



Constructed of heavy gauge, puncture-proof galvanized steel. The bracing is secured by bead shaped steel ribs, riveted at equal distance apart making a light yet strong construction. Recognized as the standard sportsman's boat. Equipped with bottom board, movable seat, oars and oarlocks and one long or short paddle. Each

No. 14GT—Length 14 ft; beam 36 ins; height to top of coaming at ends, 12½ ins; height amidship 10 ins; cockpit 9 ft long and 30 ins wide ..... **+$181 50**

Slate crated; wt about 120 lbs.

CANOE GASOLINE MOTOR ATTACHMENTS

CAILLE—Bantam.

Ideal for canoes, occupies only 9x13 inches of space.

Also suitable installation for rowboats and tenders, especially good for the latter because its light weight permits swinging the tender on davits. Will drive a 17 foot canoe at a speed of 9 to 12 miles an hour. Rowboat 6 to 8 miles an hour. Complete with fuel tank, shaft propeller, muffler and everything but exhaust piping. Each

No. 1B—With battery ignition ..... **+$210 45**
No. 2B With magneto in fly-wheel ignition ..... **+ 266 55**
Salt Water Fittings Extra ..... **+ 5 10**

One in box; wt each 40 lbs.

ROW BOAT GASOLINE MOTOR ATTACHMENTS

CAILLE, FIVE SPEED, TWIN OUTBOARD MOTOR

Vertical type quick starting motor with dual ignition system, provided with magneto and battery ignition combining the advantages of both systems.

Motor can be operated on either battery or magneto. Double proof ignition system gives assurance against ignition trouble under all weather conditions. Reversible type propeller blades by raising and lowering steering handle changes the pitch of blades permitting two speeds forward, two speeds reverse and a neutral position.

Special gray iron pistons and cylinders, duco gray enameled finish; chrome nickel steel gears and crankshaft; phosphor bronze main bearings, 2½ inches long; solid phosphor bronze connecting rod; nickel bronze alloy propellor; stainless steel drive and propeller shaft, ground finish; bronze plunger type water pump; Zenith carburetor; pressed aluminum gasoline tank, capacity one gallon sufficient for 4 hours running. Two cylinder, 2 cycle motor, 2 inch bore, 2 inch stroke, 200 to 2000 R. P. M., 2½ horse power actual rating. Each

No. 5S TM ..... **+$408 39**

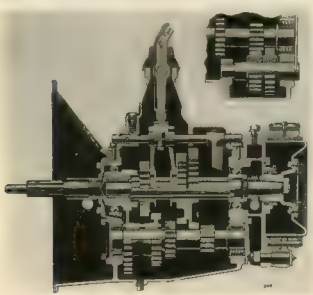
One in box; wt each 45 lbs.

+Mullins—F. O. B. Ohio Factory Only.
+Caille—F. O. B. Michigan Factory Only.

Dodge Introduces Refined Line of Graham Trucks

WHAT may be practically characterized as a complete new line of trucks is now in production at the Graham Brothers plant of Dodge Brothers. As previously, the models range from ¾ to 2 tons in capacity. Four-wheel brakes, four-speed transmissions, and a six-cylinder engine feature the 2-ton model, four-wheel brakes and four-speed transmission also being used on the 1½-ton models. Cam and lever steering gears are now standard on all chassis.

Changes made in the line have materially



The 1½ and 2-ton models use the four-speed transmission as shown here

bettered the performance while the same reliability is maintained through the use of stronger parts, where necessitated by increased stresses. The comfort of the driver has also received attention in redesigning cabs. Prices, however, remain virtually unchanged, with the exception of an increase of $150 on the 2-ton, with its six-cylinder engine, four-speed transmission and four-wheel brakes, and $10 on the 1-ton, the latter occasioned through the adoption of eight-ply instead of six-ply 30 by 5 tires. Three distinct 2-ton chassis models are being offered, consisting of a 137-in. and 162-in. model, and a 114-in. wheelbase roadbuilder, the latter being an entirely new model.

One hundred thirty-seven-inch and 162-in. editions are also available on the 1½-ton chassis, while the ¾-ton and 1-ton models are on 116 and 126-in. wheelbases respectively. These models are all fitted with the improved four-cylinder Dodge Brothers engine recently adopted in Graham Brothers trucks. Two-wheel brakes and three-speed transmissions are continued on the two smaller models without change.

The new six-cylinder engine used in the 2-ton model is the same as that used in the Dodge Senior passenger car line, except for slight changes in the manifold, carburetor setting, etc. A governor, however, is added, designed according to Graham Brothers engineers, not so much to reduce maximum speed of the trucks as to insure against excessive racing of engines without load. A larger truck type fan is also incorporated.

Built in unit with the engine is the single-plate clutch and four-speed transmission, of the S.A.E. standard shift type. The main shaft has ten splines, is machined from nickel steel, and is mounted on all ball bearings with a Hyatt roller bearing pilot at the front end. The countershaft and gear assembly is mounted on roller bearings, while the reverse gear is individually mounted with a Hyatt roller on a dead shaft. Gear reduction in low is 6.5 to 1, second is 4.0 to 1, third is 2.08 to 1, and reverse is 7.58 to 1. A six-volt S.A.E. opening is provided on the right side of the transmission case for power take-offs, such as are used for operating dump bodies, hydraulic pumps, etc. All gears are of alloy steel, heat treated, hardened, and lapped in pairs to insure quiet operation.

Peerless to Announce 1928 Models

The Peerless Motor Car Co. will shortly announce its new 1928 models. The changes said to be made are refinements for the most part, lower bodies, greater comfort, more luxurious upholstery, new color combinations in duotone lacquer and hardware of brushed silver.

The Enlarged Toy Department in Halle Bros. New Cleveland Store

Halle Bros.' New Toy Dept. at Cleveland

By Mildred O. Waugh

With the opening of the new Huron-Prospect store of the Halle Bros. Company, Cleveland, on May 31st the departments remaining in the Euclid avenue building have been granted roomy expansion.

The toy department has doubled in floor space and now commands the majority of the west side of the seventh floor in the Euclid avenue building. With the move from cramped quarters the policy of the department has changed in several aspects. Formerly, the majority of merchandise was not displayed; now with the addition of numerous display cases stress is laid on exhibiting a maximum number of articles. Outstanding in the show cases is a large one in the rear, built especially for doll displays. It consists of ten sections and runs the length of the department. Here the patrons can enjoy the hundreds of dolls from every country and in every style of costumes. Teddy bears and woolly dogs come into their own in this show case also.

Another big change in the department is the reorganization. Since moving, the stock has been segregated into seven distinct sections, complete minor departments in themselves.

Section number one which greets the customer immediately at the elevators, is called the Kindergarten department. Here blocks, cut-outs paper dolls, paint sets, crayons, beads and mosaic designs are mingled with everything complete for the children of kindergarten age.

Games of every imaginable description will be found in section two. All varieties of board games, ring toss, archery sets, golf, croquet, imported music boxes and even the diminutive typewriters which are now so much in vogue for younger children.

Construction toys constitute section three. All types of building sets, sailboats, soldiers, electrical trains; Indian, Policeman and cowboy suits, steamers and airplanes are also included in this section.

In section four, Dolls and stuffed animals are given full sway. This is a complete department store for dolls—including the latest styles in doll dresses hats and coats; outfitted bags for milady petite—suitcases—furniture wee basinets and beds latest models in doll carriages and finally the Doll herself—a complete outfit in the doll line. The stuffed animals are of all degrees of sizes and shapes from tiny kittykats to life-size St Bernard dogs, ranging from everything in horses to big brown bears.

Buddy-L, pressed steel toys are given a complete section of their own. Boys and even girls take exceptional pleasure in this department which carries every variety of

trucks, dumps, express, concrete mixers and out-door toys.

Nowadays a toy department is not complete without its separate furniture department with little brother or sister's rockers, victrolas, sewing machines which really sew, pianos, beds, buffets, desks etcetera.

Last but not least everything that cannot be put into one of the preceding sections, is placed in the big melting pot of Miscellaneous. This includes the sand toys for beach romps; rubber goods for baby's play; balls—parasols—and gorgeous doll houses which are exact duplications of real houses. Slated roofs, wood pannelled sides, porches, plastered walls on the interior, wee electric lights from hidden wiring—and have complete furnishing from rugs, sweepers, and reproductions of period furniture to tiny dishes and coffee pots.

In all the Halle Bros. toy department is very happy with its new furnishings—and spacious comfort and relief from congested traffic in holiday seasons especially.

7th Annual Chicago Merchandise Fair

To Be Held at the Coliseum, August 2 to 13, 1927

A GREAT many retailers of popular price (5 cents to $5.00) merchandise are looking forward to the opening of the 7th Annual Chicago Merchandise Fair, which will be held in Chicago's greatest exhibition hall, the Coliseum, from August 2d to 13th

More than 300 different Manufacturers', Importers' and Specialty Distributors' lines of merchandise will be assembled in the Coliseum, for the convenience of Merchants and Buyers and it is expected that not less than 2,000 will attend this Trade Fair to buy for their Fall and Holiday needs

This will be the 7th annual Chicago Merchandise Fair and the exhibit is devoted chiefly to a display of popular price merchandise of varying kinds. It is possible for visiting merchants and buyers to cover a great range in their purchases, as a very wide variety of General Merchandise, such as is sold in Department, Dry Goods, General and Variety Stores will be on display. Holiday and Gift Merchandise will, of course, be featured.

Full information regarding the Chicago Merchandise Fair can be had by writing to the Chicago Merchandise Fair, at 1513 South Wabash Ave., Chicago, or, 890 Broadway, New York City.

Shoot Your Ammunition

INSIST ON GETTING THEM. Your jobbers have advertising matter sent to them for distribution among the retailers. These booklets, folders circulars, etc. are useful to you for advertising purposes. Many are costly productions and will increase the demand for the merchandise. So when your jobber's salesman calls on you the next time ask him if his house has any such advertising matter; emphasize that you believe in the use of dealer's helps and therefore would be glad to have a supply packed with your shipment. Use such advertising forms for enclosures with packages, with bills and other letters, and for other advertising purposes

View of the Chicago Merchandise Fair, Held at the Coliseum, August, 1926.

BEAUTIFUL ART ADVERTISING FANS

Your Name and Address on Back

Good Will Advertising and Results with Fans This Summer. Heavy Cardboard 7″x 8¾″. Rounded Corners and Wooden Handles. Double Wire Stitching. Front of Fans Have Beautiful Paintings, Reproduced in 6 Lithographic Colors. Your Name and Advertisement (Any Wording Desired) Will be Printed on Back. Fans come Only in Boxes Containing 200 Fans. Orders for Fans must be for 200 or a Multiple of 200. We Cannot Split a Box. Assorted Pictures.

Per Box of 200

No. 200 ..... 200 in a box.

NO LESS SOLD

KITCHENETTE STRIKING CLOCK ASSORTMENT

Assortment Consists of 3 Clocks Assorted Designs as Illustrated. Solid Oak Cases. Eight Day Movement. Hour and Half-hour Strike. Dial 6 Ins. Diam. Height 14 Ins. Arabic Numerals.

Per Assortment of 3 Clocks.

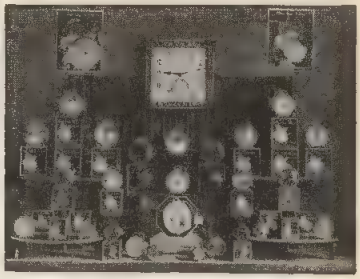
✣No. 3

✣For Shipment from Factory Only

✣F.O.B. Bristol, Conn.

ALARM CLOCK ASSORTMENT

True Time Teller



With Each Assortment of Two Dozen Octagon True Time Teller Alarm Clocks a Beautiful 12 Inch Balcony Wall Clock with 8 day Pendulum Movement is Included FREE.

Assortment Contains the Following:—	Retail Value
8 [illegible] Tone, White Dial	..... $26.00
4 Tidy-Tot, White Dial	13.00
6 Tick Tock, White Dial	15.00
7 Tim Tom, Radium Dial	8.50
2 Tidy-Tot Radium Dial	5.50
2 Tick Tock, Radium Dial	7.00
Total Retail Value	$78.00

Retail Value $78.00 — **No. 7800 Assortment Costs Merchant** — Dealer's Margin $25.30 and Balcony Clock.

Buy Your Calendars for 1928 Now

De Luxe Calendars for Retailers for 1928

The line of De Luxe Calendars includes four highly colored reproductions of beautiful subjects mounted on attractive backing of cardboard with dealer's name, business and address imprinted thereon and a 1927 calendar by months sewed on.

Size of calendar, 10x19 inches. Picture size, 7 x 10⅝ inches. Calendar pad size, 3 x 6 inches.

Calendars in homes in the dealer's vicinity keeps his name before the customer's eyes throughout the year and resulting sales pay for the calendars many times.

	Per 100 Calendars	Per 1000
No. "De Luxe" Assorted four subjects, including dealer's imprint		

100 in a corrugated shipping case

Envelopes Per 100

Courtesy of Jantzen Knitting Mills

150 Screen Highlight Halftone

A MAGAZINE ADVERTISEMENT

Reproduced from Wash Drawing. Highlighting accomplished by tooling

Engraved by WEST COAST ENGRAVING COMPANY, PORTLAND, ORE.

Courtesy of Hercules Motors Corporation

120 Screen Combination Line and Halftone Plate

A TRADE JOURNAL ADVERTISEMENT

Reproduced from Retouched photograph of engine and two Pen drawings of "6" and top lettering. Halftone screen laid over top line negative. Benday line tint over "6"

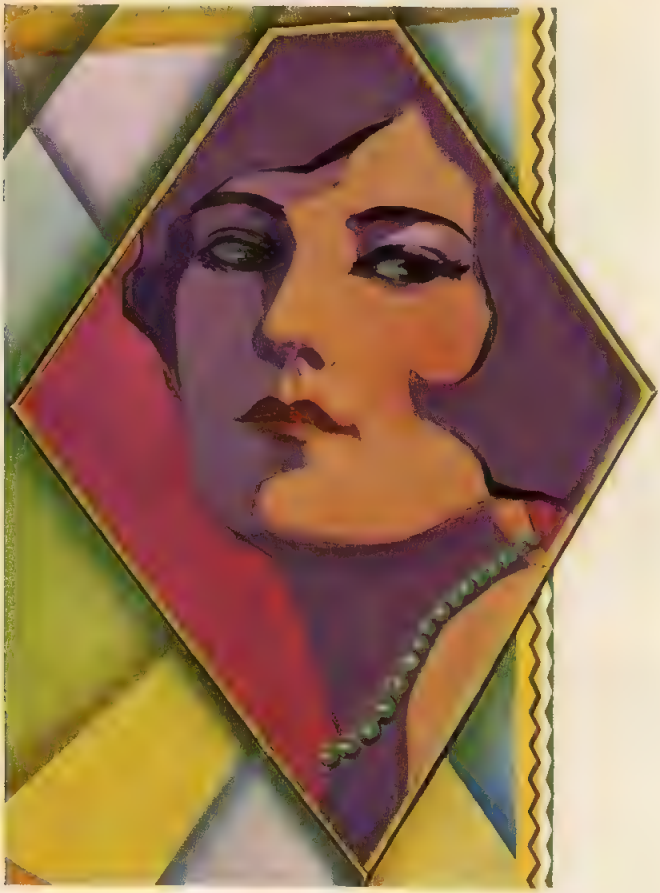
Designed and Engraved by THE NORTHERN ENGRAVING COMPANY, CANTON, O.

143 Screen Four Color Process Plates

A JEWELRY CATALOG PAGE

Reproduced from Retouched Black and White photograph. Jewelry used as color guide

Engraved by BICKFORD ENGRAVING & ELECTROTYPE COMPANY, PROVIDENCE, R. I.



Courtesy of John H. Dunham Co. *Four Color Process 120 Screen*

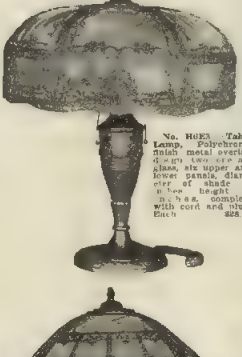
A MODERNISTIC MAGAZINE ADVERTISEMENT

Engraved by COLLINS & INGLIS, INC. *Printed by* MARSHALL-JACKSON COMPANY

CHICAGO

Art Metal Lamps

No. H263 — Table Lamp. Polychrome finish, metal overlay design, 6 upper and lower panels, two tone art glass, diameter of shade, 16 inches, height 21 inches, complete with cord and plug. Each $25.00



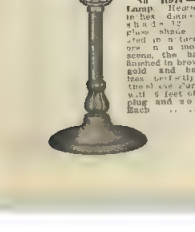
No. H2E3 — Table Lamp. Polychrome finish metal overlay design two corner and six upper and lower panels, diameter of shade 15 inches, height 21 inches, complete with cord and plug. Each $28.50

No. H1F1 — Table Lamp. Antique bronze finish, 16 inch round hand decorated glass shade, beautiful landscape and lake scene with two boats painted, lift off feature to hold shade, height 21 inches. Each $23.00

No. H983 — Table Lamp. Polychrome finish, an exact reproduction of the classic design, six panel shade of art glass with metal overlay. Diameter of shade 16 inches, height 23½ inches. Each $19.50

No. H951—Lighted Base Table Lamp. One light 4 shade one light in base. Metal overlay design with three tone art glass. Height 21 inches. Diameter of shade 16 inches. Finished in polished chrome with six feet of cord and plug. Each $27.00

No. H961 — Table Lamp. Silver poly chrome finish, Queen Anne design six panel cast metal dome, overlay, 16 inch art glass, diameter of shade, 16 inches, height of lamp 23 inches. Each $19.50



No. H974 — Table Lamp. Height 18 inches, diameter of shade 12 inches, glass shade decorated in natural colors, mountain scene, the base is finished in brown and gold and harmonizes perfectly with the glass decorated with 6 feet of cord, plug and socket. Each $16.75

No. H970 — Table Lamp. Height 22¾ inches, diameter of shade 16 inches, round cut decorated glass shade, the scene portrayed on shade is that of moonlight on the lake in natural colors, the base is of barbedine bronze finish and harmonizes with the shade, it being wrought in a conventional design in metal. Each $30.00

No. H983—Fancy Hand Decorated Lamp. Total height, 19 inches. Diameter of shade, 16 in. Fancy cut top. Finish base. Fine imported hand decorated glass shade. Complete with six feet cord, socket and plug. Each $7.00

THE ART OF PHOTO-ENGRAVING
Photos by ROBERT C. KROLL
Barnes-Crosby Company of Mo.
ART WORK from the STUDIOS of
Barnes-Crosby Company of Mo.
Material Shown on the Following Thirty-two Pages was Originated, Developed and Engraved by
BARNES-CROSBY COMPANY of MISSOURI
V. C. HOUSER, President

BASE BALL AND FOOT BALL STOCKINGS

Plain. Be sure to state size.

Per Doz Pair

Grade A—Heavy worsted, wide ribbed; wt per pair 8 ozs ..... ✣$79 20

Grade B—Heavy worsted, narrow ribbed; wt per pair 6 ozs ..... ✣65 40

Grade C—Heavy Saxony wool, wide ribbed; wt per pair 6 ozs ..... ✣60 00

Grade D—Heavy weight, ribbed, good quality; wt per pair 6 ozs ..... ✣23 70

Striped. Be sure to state size.

With calf stripe. Special striped stockings made to order and can be furnished in ten days.

Per Doz Pair

No. A$—Heavy worsted, wide ribbed; wt pair 8 ozs ... ✣$79 20

No. B$—Heavy worsted, wide ribbed; wt pair 6 ozs ... ✣ 65 40

No. C$—Heavy Saxony wool, wide ribbed; wt pair 6 ozs ✣ 60 00

No. D$—Heavy weight, ribbed, good quality; wt pair 5 ozs ..... ✣ 23 70

Stockings with feet extra ..... ✣3 15

Half doz pair in box.

KNEE AND ELBOW PADS

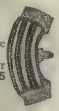
Per Doz Pr

No. 31E—Elbow Pad. Khaki cloth with thick felt lining. Wide elastic band above and below elbow ..... ✣$39 75

No. 31C—Knee Pad. Khaki cloth, well padded; elastic webbing above and below knee ..... ✣39 75

Packed loose; wt per doz pair about 3 lbs.

KNEE PADS



Black napa leather; roll style padding; wide elastic webbing at each end.

Per Doz Pair

No. 39—Large size ..... ✣$110 85

Packed loose; wt per doz pair 4 lbs.

BASKET BALL SHOES

Brown corrugated suction hole rubber soles; brown army duck uppers; brown athletic trimming; ventex insole. Designed for indoor or outdoor athletics.

Per Pair

No. 1MC—Men's, sizes 6, 7, 8, 9 and 10 ... $3 90

No. 1BC—Boy's, sizes 3, 3½, 4, 4½, 5 and 5½ 3 75

✣F. O. B. Missouri Factory Only.

BASKET BALL SHOES

Brown corrugated suction hole rubber sole. Natural army duck uppers, black athletic trimming, ventex insole. Designed for indoor or outdoor athletics.

Per Pair

No. 1MS—Men's, sizes 6, 7, 8, 9 and 10 ... $3 90

No. 1BS—Boy's, sizes 3, 3½, 4, 4½, 5 and 5½ ... 3 75

One pr in cardboard box; wt each 1½ lbs.

ASPLEY RUBBER CO. VICTOR

Brown corrugated suction sole; white duck uppers; brown rubber trimmings; boxing and toe cap; kool-foot insole. Designed for basket ball players but can be used by all athletes.

Per Pair

No. 2M—Men's, sizes 6, 6½, 7, 7½, 8, 8½, 9, 9½ and 10 ..... $4 05

No. 2B—Boy's, sizes 2½, 3, 3½, 4, 4½, 5 and 5½ ... 3 75

Black box side selected upper leather; lace to toe type; black rubber cup type suction sole with extra canvas re-enforcement at toe and heel.

Adaptable to basket ball and gymnasium wear.

Per Pr

No. 605—Men's, sizes 6, 6½, 7, 7½, 8, 8½, 9, 9½ and 10 ... $13 20

One pr in cardboard box; average wt per pr 2 lbs.

BOWLING SHOES

Black box side selected upper leather; lace to toe type; imitation buck padded sole. Adaptable to bowling, boxing, tennis and gymnasium wear.

Per Pr

No. 762—Men's, sizes 6, 6½, 7, 7½, 8, 8½, 9, 9½ and 10 ..... $11 25

One pr in cardboard box; average wt per pr 1½ lbs.

RUNNING PANTS

When ordering be sure and state waist measurement.

Per Pair

No. 4½—White muslin; button front; laced back ..... ✣$1 95

No. 3½—Medium grade white muslin; button front; laced back ..... ✣ 2 55

No. 1—White twill, button front, laced back ..... ✣3 30

Half doz in cardboard box; wt per pair 4 ozs.

✣F. O. B. Missouri Factory Only.

MEDICINE BALLS

REACH

Each

No. 2M—Fine buck dressed leather, well stuffed and sewed; 36 inch circumference $13 20

One in cardboard box; wt 6 lbs.

VOLLEY BALLS

REACH

Highest quality leather; sewed with a strong linen thread; strong and durable. Regulation size and weight. Complete with pure gum bladder and cord lace.

Per Doz

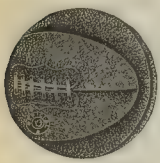
No. 5W—Selected Russian Calf skin; 8th section model $213 00

No. 10W—Smooth grain, brown horse-hide .. 172 50

No. 20W—Smooth grain, brown leather; standard figure eight model 106 95

One in cardboard box; wt each about 1 lb.

BASKET BALLS



REACH OFFICIAL

Specially selected Tuf-ide leather, tanned expressly for use in this ball in eight sections. Must be used in all match games. Pure Para rudder bladder. Complete with leather lace and lacing needle. Playing weight 20 to 24 ozs.

Per Doz

No. 0—Wt each 28 ozs $396 00

One in cardboard box.

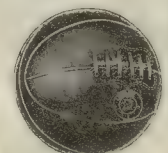
LEAGUE

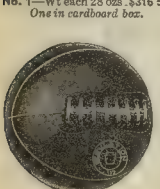
Imported pebble grain leather, in eight sections. Special pure Para rubber bladder. Complete with leather lace and lacing needle. Playing weight 20 to 24 ozs.

Per Doz

No. 1—Wt each 28 ozs..$316 50

One in cardboard box.





REGULATION

Specially prepared cow hide leather, extra strong, in four sections. Pure Para rubber bladder. Complete with leather lace and lacing needle. Playing weight 19 to 20 ozs.

Per Doz

No. 1½—Wt each 25 ozs $262 50

One in cardboard box.

BASKET BALLS

PRACTICE

Selected pebble grained cow-hide leather. Standard figure eight pattern. Canvas lined. Complete with pure rubber bladder and lace. Playing weight 19 to 20 ozs.

Per Doz

No. 5B—Wt each 25 ozs $198 00

One in cardboard box.

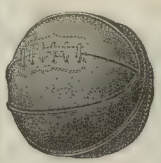
REACH

Regulation size; canvas lined; pure para rubber bladder; complete with cloth lace. Playing weight 9 to 11 ozs.

Per Doz

No. 2—Special; heavy pebble grained leather; made on the official pattern $127 50

One in cardboard box; ship wt 1¼ ozs.



OFFICIAL OUTDOOR OR PLAYGROUND

Best grade of pebble grained Tuf-ide leather. Official four section pattern. Stitched with extra strong, waxed linen thread. Lined with specially woven, non-stretch fabric. Beaded at edge of sections to afford extra wear and prevent ripping. Regulation size and weight. Complete with heavy, pure rubber bladder, rawhide lace and steel lacing needle.

Per Doz

No. 1X—Standard outseam model $262 50

No. 1W—Folded leather welted seam..... 316 50

One in cardboard box; wt each 25 ozs.

REACH, OFFICIAL LAMINATED

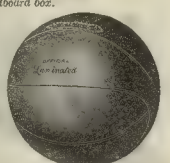
Brown pebble grain leather cover in 8 sections, uniform in strength, thickness and wearing qualities. High grade rubber bladder fitted with improved type valve. Furnished with rawhide lacing, valve tool pump connection and instructions for lacing and inflating.

Per Doz

No. 0L—Wt each 2¼ lbs..... $475 20

One in cardboard box.

REACH OFFICIAL LAMINATED WITH CONCEALED LACING



Brown pebble grain leather cover in 8 sections, uniform in strength, thickness and wearing qualities. High grade rubber bladder fitted with improved type valve. Made with regulation lace holes, if concealed lacing isnt desired it can be quickly removed and laced the regulation way. Furnished with cord, needles, valve tool, pump connection and instruction for lacing and inflating.

Per Doz

No. 0LX—Wt each 2¼ lbs..... $475 20

One in cardboard box.

ATWATER KENT RADIO

Perfection—Prestige—Profit

THIS new Radio Speaker - Model E — is being introduced this month to millions of people in the United States and Canada. It is being advertised in the MAGAZINES on the long list used by the Atwater Kent Manufacturing Company, in NEWSPAPERS reaching every city and town, on POSTERS in the 300 greatest centers of travel.

For every Atwater Kent dealer the Model E Radio Speaker means perfection, prestige and profit.

Write for illustrated booklet if Atwater Kent Radio. ONE Dial Receivers Licensed Under U. S. Patent No. 1,014,002

ATWATER KENT MANUFACTURING CO., A. Atwater Kent, President, 4861 Wissahickon Avenue, Philadelphia, Pa.

ATWATER KENT RADIO

A Baltimore dealer *said this:*

"ONE of the big advantages of Atwater Kent Radio is that there's practically no night work for the dealer. Show your customers how to operate it in the daytime. It's so simple you don't have to go back."

And dealers everywhere know it's true.

When running around at night *can* be avoided—why not avoid it by concentrating on the Radio that people understand the minute you show them?

ATWATER KENT MANUFACTURING COMPANY, 4801 Wissahickon Ave., Philadelphia, Pa.
Write for illustrated booklet of Atwater Kent Radio *A. Atwater Kent, President*

MODEL H RADIO SPEAKER. Entirely of metal. Crystalline finished in two shades of brown. With 9 feet of flexible cord. $21

"B" POWER UNIT. Automatically controlled by switch on receiving set. "A" battery and trickle charger can be connected to this "B" Power Unit, in which case the automatic switch also starts and stops charger, if one is used. Plugs into A.C. light socket. Delivers up to 135 volts. Operates Atwater Kent Receivers or other make consuming not more than 40 milliamperes. Brown crystalline finish. Including long-life rectifying tube (no filament to burn out) and 7 foot flexible cord.

Type R, for 60-cycle 110 to 115 volt Alternating Current, $50

Type S, for 25-cycle 110 to 115 volt Alternating Current, $55.

ONE Dial Receivers licensed under U. S. Patent 1,014,002

Prices slightly higher from the Rockies West, and in Canada

MODEL E RADIO SPEAKER. The result of nearly three years' laboratory work. Faithfully covers the entire range of musical tones, from the lowest to the highest register. With 9 feet of flexible cord. $30

MODEL 30, six tube, ONE Dial Receiver. Solid mahogany cabinet, gold-plated nameplate, power supply switch and vernier knob. $80

MODEL 35, seven tube, ONE Dial Receiver. Crystalline-finished cabinet, gold plated ship model name plate, decorative rosettes and power supply switch. $65

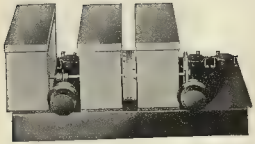
MODEL 33, six-tube, ONE Dial Receiver with antenna adjustment device. Unusual selectivity. Solid mahogany cabinet, gold-plated name plate, power supply switch and vernier knob. $90

IT WORKS... AND KEEPS ON WORKING

AUDIOLA

Audiola Six-Tube Stage Shielded Radio Receiving Sets

Audiola sets this season are of the single dial control, in that all condensers are controlled by one knob. The second knob controls the volume. In other words, a Steering Wheel and a Throttle.



Simplicity
Selectivity
Tone Quality
Beauty
Quality
Price

The Chassis illustrated above is the 1928 STAGE SHIELDED Six-Tube Audiola. As in the past, Audiola sets embody all that is up to date in circuit design. STAGE SHIELDING is perhaps the greatest single development of the present season Proper STAGE SHIELDING results in greater selectivity and greater volume on distant stations and permits of the separation of stations that hitherto was impossible. It also eliminates interference between stations and enables the tuning in of distant stations free from all bothersome interference.

This Console has the new Audiola Six Tube STAGE SHIELDED Chassis, single dial control. Tuning dial is illuminated for convenience in tuning. Cabinet is finished in Walnut. The loud speaker is built in and is equipped with a high-grade unit. Ample space is also provided for all accessories, and the set comes complete with battery cable, ready for attaching. A remarkable instrument of finest construction and finish.

Each

P7971. Special Console SHIELDED Six WITHOUT ACCESSORIES. $132.00

P7972. Special Console SHIELDED Six Complete WITH ACCESSORIES and Built-in Speaker $204.00

Accessories Consist of:
4—Tested 201A Type Tubes.
1—Tested 200A Type Detector Tube.
1—Tested 112 Power Tube.
1—100-Ampere Hour Storage A Battery.
2—45 Volt B Batteries.
2—4½ Volt C Batteries.
1—Complete Antenna Equipment.

The Table Model illustrated is the standard Six Tube Audiola STAGE SHIELDED Chassis mounted in a genuine Walnut cabinet. The artistic design of this cabinet lends itself to any scheme of interior decorating. In its simplicity is found its beauty. A remarkable set at a remarkable price.

Each

P7969. SHIELDED Six-Tube Table Model WITHOUT ACCESSORIES..... .$ 90.00

P7970. SHIELDED Six-Tube Table Model Complete WITH ACCESSORIES. $136.00

Accessories Consist of.
1—17 inch Cone Type Loud Speaker.
4—Tested 201A Type Tubes.
1—Tested 200A Type Detector Tube.
1—Tested 112 Power Tube.
1—100-Ampere Hour Storage A Battery.
3—45 Volt B Batteries
2—4½ Volt C Batteries.
1—Complete Antenna Equipment.

The Audiola Standard Console illustrated incorporates the new STAGE SHIELDED Six Tube Audiola Chassis in a cabinet that is a most exquisite piece of furniture. The entire front is of buried Walnut. There is a beautiful grill in the lower compartment covering the loud speaker. The beautiful figured Walnut in this cabinet will harmonize with the most elaborate surroundings. The loud speaker is of the very highest quality and will give absolute natural reproduction free from distortion, the loud speaker being of the long air column type.

Each

P7973. Standard Console SHIELDED Six WITHOUT ACCESSORIES $210.00

P7974. Standard Console SHIELDED Six Complete WITH ACCESSORIES and Built-in Speaker..... ....$282.00

Accessories Consist of:
4—Tested 201A Type Tubes.
1—Tested 200A Type Detector Tube.
1—Tested 112 Power Tube.
1—100-Ampere Hour A Battery
3—45 Volt B Batteries.
2—4½ Volt C Batteries.
1—Complete Antenna Equipment.

The Audiola Baby Grand is an exclusive Audiola design which incorporates in a radio set all of the advantages that are to be found in a Baby Grand piano, in that it is designed to fit into the corner of the room for the same reason that the Baby Grand piano is always placed in the corner for best acoustics and appearance. The cabinet is of genuine Walnut with buried Walnut front, beautifully finished, and comes equipped with a high-grade loud speaker in the lower compartment. The chassis is the new Stage Shielded Six-Tube Audiola, assuring distance, volume and selectivity, with best of tone quality. Ample space is provided for all accessories.

Each

P7975. Baby Grand SHIELDED Six WITHOUT ACCESSORIES $270.00

P7976. Baby Grand SHIELDED Six Complete WITH ACCESSORIES and Built-in Speaker $342.00

Accessories Consist of:
4—Tested 201A Type Tubes.
1—Tested 200A Type Detector Tube.
1—Tested 112 Power Tube.
1—100-Ampere Hour A Storage Battery.
3—45 Volt B Batteries.
2—4½ Volt C Batteries.
1—Complete Antenna Equipment

Electrically Operated Howard Radio Receivers!

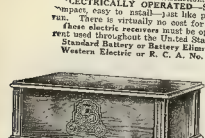
By continued research, prudent engineering, and a policy of building nothing but the best the Howard Radio Co. has earned the leadership in manufacture of high grade receivers. Howard Radios are as near mechanically perfect as radios can be built today. They are guaranteed to give complete satisfaction.

"ELECTRICALLY OPERATED—Simple and convenient! No acids, no batteries to run down, no charger, no unsightly connecting wires, compact, easy to install—just like plugging in an electric iron or a toaster. An electrically operated set is the most economical in the long run. There is virtually no cost for upkeep.

These electric receivers must be operated on 110 volts alternating current, 50 or 60 cycle. With few exceptions this is the electric Current used throughout the United States. When ordering kindly specify current to be used.

Standard Battery or Battery Eliminator equipment can be supplied for use with Howard Receivers if desired. Write for descriptive catalog

Western Electric or R. C. A. No. 100A Speakers are recommended for use with Howard Radio Sets.



P7979

Chassis used in consoles illustrated

Howard Radio Corp. U.S.A. Chicago

A. C. Mc Clurg & Co.

Consider it an exceptional privilege to be able to offer their customers the

Howard Radio

Nationally known as one of the finest Radio Receiving Sets in the field.

Incorporated in these new sets are all the most advanced radio developments. The Howard is well worthy of your consideration.

HOWARD RADIO
products are licensed under the following patents:

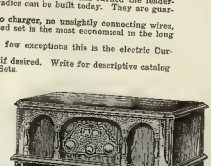
Radio Corporation of America (R. C. A.)

General Electric Company.

Westinghouse Electric & Mfg. Co.

American Telephone & Telegraph Co.

Hazeltine Corporation—Owners of Neutrodyne and Latour Patents.



P7980

Six tubes—Neutrodyne—three stages of radio frequency, detector and two stages of audio frequency.

Set employs ENTIRELY R. C. A. or CUNNINGHAM ALTERNATING CURRENT TUBES, first perfected and offered to the public July 1, 1927. The new A. C. tubes furnished with this set are non-microphonic—there is no objectionable hum.

Radio frequency stages and detector shielded in separate compartments of heavy brass.

The audio frequency amplifier is built up as a separate unit and is designed for use with a No. 210 Power Tube in the last stage.

The audio transformers are made of special design and noted for their faithful reproduction throughout the entire musical range.

Two dial control. The left hand dial tunes the loop or antenna and the right hand dial tunes the three stages of radio frequency. Broadcasting stations are easily located by means of our chart which shows dial bracket dial reading for all wave lengths and kilocycles.

Pilot light for easy visibility. Positive vernier arrangement for sharp tuning.

Cabinets of special Howard design, de luxe, rich, heavy simulated piano finish, combination straight line frequency and wave length. The receiver is designed for loop operation.

P7980. Six Tube Radio Receiving Set, with
1 "A" "B" and "C" Power Unit containing 1 R. C. A. No. UX216 Power Tube. $850.62

No speaker furnished with this set.

Shipping weight, 170 pounds. Size of Cabinet, 29 in. wide, 18¾ in. deep, 30 in. high.

Includes:

Walnut Cabinet
Loop Aerial,
4 R. C. A. No. 226 Tubes or Cunningham No. 326 Tubes.
1 R. C. A. No. 227 Tube or Cunningham No. 327 Tube.
1 R. C. A. No. 210 Tube or Cunningham No. 310 Tube.

Six tubes—three stages single dial controlled radio frequency, detector, two stages audio. Power tube No. UX210 or No. CX310 may be used at best stage if desired.

This set employs ENTIRELY R. C. A. OR CUNNINGHAM ALTERNATING CURRENT TUBES, first perfected and offered to the public July 1, 1927. The new A. C. tubes furnished with this set are not microphonic—there is no objectionable hum.

Chassis is of best grade aluminum, having an extra heavy front plate one-eighth in. thick. No steel or iron is used in the construction of the chassis, thus assuring greatest radio efficiency.

Condensers of heavy aluminum plates, rugedly built, gang reamed and faced to provide positive alignment, rigidity and permanence.

The coils are shielded. The spaces between the coils and shields are sufficiently large to permit maximum efficiency from each coil.

Dial equipped with pilot light, and placed in the proper line of vision.

P7979. Howard Six Tube Receiving Set. Each..... .. $370.62

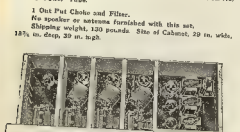
Includes.

Walnut Cabinet.
4 R. C. A. No. 226 Tubes or Cunningham No. 326 Tubes.
1 R. C. A. No. 227 Tube or Cunningham No. 327 Tube.
1 R. C. A. No. 210 Tube or Cunningham No. 310 Tube.
1 "A," "B" and "C" Power Unit containing 1 R. C. A. No. UX216 Power Tube.

1 Out Put Choke and Filter.

No speaker or antenna furnished with this set.

Shipping weight, 120 pounds. Size of Cabinet, 29 in. wide, 18¾ in. deep, 30 in. high.



7 Tube Shielded Chassis. Top shield removed. Note individual shielding for each stage.

Howard Seven Tube COMPLETELY SHIELDED RECEIVER—Maximum purity of reproduction featured by this exceptional feature. Entirely loop operated. Equipped to use Power tube No. 171 in the last audio stage. This receiving set is offered to real enthusiasts as the most perfect on the market today. Correct design and construction enable one to play extreme distant stations with strength and clarity or to select a local program without any interference whatsoever. The tone effect is mellow, restful and instrumental at times, like the resonant qualities of the seasoned violin. Cabinet is all metal, walnut finished. It is trimmed in solid walnut with gold bronze fittings.

P7981—Howard Seven Tube Completely Shielded Receiver, with Loop. Each .. $760.60

Includes.

All Aluminum Cabinet, walnut finished, solid walnut trimmed
Loop Aerial
6 R. C. A No. 201 Tubes or Cunningham No. 301 Tubes.
1 R. C. A No. 171 Power Tube.
1 "A" Battery Eliminator.
1 "B" Battery Eliminator.
No speaker furnished with this set.

Shipping weight 128 pounds. Size of cabinet 31 in. wide, 17½ in. deep, 13 in. high.

P7981—7 Tube Shielded Receiver.

BABY DOLLS

GENUINE BYE-LO BABY, ORIGINATED BY GRACE STOREY PUTNAM

Bisque head with painted hair and moving eyes, celluloid hands cotton stuffed body.

Dressed in genuine infants clothes consisting of white organdy dress with lace insertion running down entire front and lace on collar, cuffs and bottom; cuffs are trimmed with silk ribbon bow.

Per Doz

No. 53—Height 10½ ins **$96 00**

One-twelfth doz in cardboard box; wt per doz 12 lbs.

GENUINE BYE-LO BABY, ORIGINATED BY GRACE STOREY PUTNAM

Bisque head with painted hair and moving eyes, celluloid hands, cotton stuffed body.

Doll resting on pillow and wrapped in heavy quality blanket, tied with silk ribbon bow. Per Doz

No. 54—Height of doll 10 ins; length over all 26 ins; wt per doz 12 lbs **$111 00**

No. 56—Height of doll 11½ ins; length overall 27½ ins; wt per doz 15 lbs **135 00**

One-twelfth doz in cardboard box.

K & K BYE-LO CRYING BABY DOLL

Bisque head, natural baby cry voice, moving eyes, cotton stuffed body, celluloid hands, diaper, white lawn underslip hemmed with lace, white lawn dress, collar, cuff and hem finished in lace, lace insertion running full length down front of dress, finished with bow, sleeves tied with silk bow.

Per Doz

No. 55—Length of doll 14½ ins; length over all 23 ins **$144 00**

One-twelfth doz in cardboard box; wt per doz 21 lbs.

K & K MY PLAYMATE BABY DOLLS

Bisque head, moving eyes, squeak voice, cotton stuffed body, composition hands, white under slip, white lawn dress, collar, cuffs and hem finished with lace, cuffs tied with ribbon. Wrapped in blanket, tied with silk ribbon.

Per Doz

No. 260—Length doll 10 ins; length over all 14½ ins; wt per doz 8¼ lbs **$28 50**

No. 280—Length of doll 9½ ins; length over all 14 ins; wt per doz 7 lbs **36 00**

No. 282—Length of doll 10½ ins; length over all 19½ ins; wt per doz 13½ lbs **48 00**

Half doz in cardboard box.

BABY DOLLS

K & K MY PLAYMATE TWIN BABY DOLLS

Bisque head, moving eyes, squeak voice, cotton stuffed body, composition hands, white underslip, white lawn dress, collar, cuffs and hem finished with lace, cuffs tied with ribbon. Wrapped in blanket, tied with silk ribbon.

Per Doz

No. 281—Length of doll 9½ ins; length over all 16½ ins **$69 00**

One-twelfth doz in cardboard box; wt per doz 18¼ lbs

K & K MY PLAYMATE CRYING BABY DOLLS

Bisque head, moving eyes, natural baby cry voice, cotton stuffed body, composition hands, white underslip, white lawn dress, collar, cuffs and hem finished in lace, sleeves tied with silk bow. In basket, lying on pillow, covered with blanket, tied with silk ribbon.

Per Doz

No. 290—Length of doll 7 ins; length over all 9 ins; wt per doz 12 lbs **$30 00**

No. 292—Length of doll 9¼ ins; length over all 12 ins; wt per doz 19½ lbs **69 00**

One-twelfth doz in cardboard box.

K & K MY PLAYMATE CRYING BABY DOLLS

Bisque head, moving eyes, natural baby cry voice, cotton stuffed body, celluloid hands, white underslip, white lawn dress, collar, cuffs and hem finished with lace, lace insertion running full length down front of dress, cuffs tied with ribbon.

Per Doz

No. 276—Length of doll 10¼ ins; length over all 13¼ ins; wt per doz 9 lbs **$28 50**

No. 276—Length of doll 13 ins; length over all 17½ ins; wt per doz 12½ lbs **51 00**

No. 277—Length of doll 15¾ ins; length over all 21¾ ins; wt per doz 19½ lbs **78 00**

One-twelfth doz in cardboard box.

CHARACTER DOLLS

WOODEN SOLDIER

Composition unbreakable head, with painted eyes and features. Dressed in combination black, blue and red oil cloth; removable hat; body softly stuffed and finely finished and decorated.

Per Doz

No. 13—Height 18 ins..... $25 50

Half doz in cardboard box; wt per doz 9 lbs.

AUNT JEMIMA—MA-MA DOLL

Composition head and hands, cotton stuffed body, with very distinct Ma-ma voice. Dressed in flowered gaily colored dress with a white apron and shawl and a red bandanna. An exact reproduction of the well known Aunt Jemima.

Per Doz

No. 1604—Height 14 ins..... $33 00

One-twelfth doz in cardboard box; wt per doz 18 lbs.

STORY BOOK MA-MA DOLL

Mary and Her Little Lamb.

Composition head, wig and painted eyes, composition arms, cotton stuffed body and legs; removable socks and slippers.

Dressed in assorted flower printed crepe with cuffs and bottom hemmed with blending colored organdy, white pique insertion down front and back of dress; bloomers and cap of same material to match dress, hat trimmed with bow and streamers.

Per Doz

No. 60—Height 14¾ ins..... $78 00

One-twelfth doz in cardboard box; wt per doz 24 lbs.

CHARACTER DOLL ASSORTMENTS

Assortment consists of 6 character dolls, one each as follows:

Little Boy Blue	Bronco Buster
Soldier Boy	Littly Bunny Boy
Poodle Dog	Little Red Riding Hood

Cotton stuffed bodies, dressed in oilcloth of appropriate colors. Heights from 11½ to 14½ inches. Some have flirting glass eyes, others rolling glass eyes and some painted eyes.

Per Ass't

No. 1441—Ass't complete as above described..... $6 30

One ass't in cardboard box; wt per ass't 2 lbs.

Assortment consists of 12 character dolls, two each as follows:

Jumpy The Clown	Tom Cat
Jerry The Cop	Piggy Wig
Jack Rabbit	Susie Ann

Cotton stuffed bodies, dressed in oilcloth of appropriate colors. Heights 16 to 18 inches. Some have flirting glass eyes, others rolling glass eyes and some painted eyes.

Per Ass't of One Doz

No. 1551—Ass't complete as above described..... $12 75

One ass't in cardboard box; wt per wt per ass't 4½ lbs.

Artistic rendering of a mechanical subject. Line reproduction from a Hawtin wood cut; and zinc color plate

Courtesy—Austin Mfg. Co.

A PIONEER OF GOOD ROADS

Drawn and engraved by
THE HAWTIN COMPANY

Printed by
MAX LAU COLORTYPE CO.

CHICAGO

THE New Madame Hendren Dolls are the talk of the entire trade. Among them is Baby Brite, pictured above, which comes in four sizes and dressed in many styles. Send for our new Catalog. AVERILL MANUFACTURING CORP., 37 Union Square, New York

Youth Must be Served

TRY to deprive a boy or girl of music and toys and you'd start a revolution. If you're a father you know it!

Music and toys are every child's right, and every child knows it. And in these enlightened days parents don't wait until Christmas—they keep their children supplied with toys the year 'round.

Merchants who know this truth keep General Phonographs—the ideal combination of toy and music—on display every day, twelve months in the year, and sell them every day, twelve months in the year. Hundreds of stores large and small in big cities and small towns are profiting every day just by displaying and playing General Phonographs in their toy departments.

What they are doing you can do. Try it and see. Send today for samples of these attractive phonographs, and for prices and discounts.

The DeLuxe Cabinet
$25.00 list

The Baby Cabinet
$10.00 list

The Genola
$6.00 list

The GENERAL INDUSTRIES CO.

Formerly named The General Phonogra Mfg. Co.

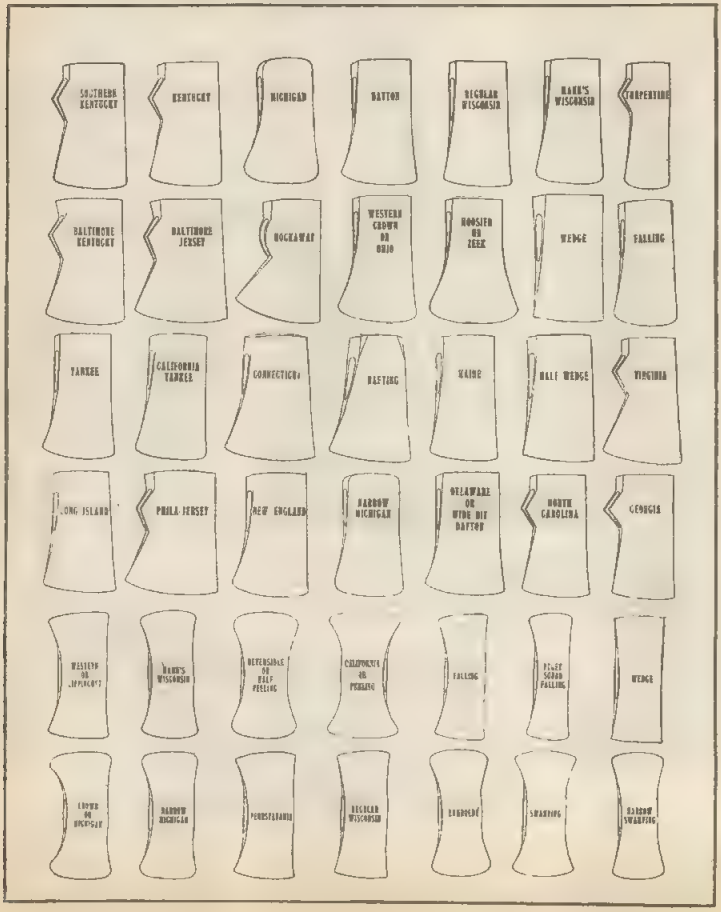
Eastern Representative, WM. H. FOX, 200 Fifth Avenue, New York, N. Y.

825 Taylor Street, Elyria, Ohio

Western Representative, FRED GOETZ, 1077 Lincoln Ave., Milwaukee, Wis.

AXES

The Illustrations Below Give for Comparison, the Outline of the Various Patterns of Axes. Those Patterns, Illustrated Below, which are Not Included with our Catalogued Brands for Stock Shipment, can be Furnished Only for Direct Shipment from Factory



A MODERN BATH ROOM

Printed in five colors and Embossed

Designed and Engraved by
CENTRAL ENGRAVING COMPANY
St. Louis, Mo.

Printed and Embossed by
ST. LOUIS EMBOSSING, INC.

Paper is Champion's Dul-Satin Enamel
ST. LOUIS PAPER COMPANY

A-C DAYTON RADIO SETS

SIX TUBE LINE

CONSOLE GRAND

This Set Has Six Tubes. Features Included in Its Specifications List as Follows

Double Vernier Dial Control, Air Space Coils, Completely Shielded in Brass Cylinders, Panel Light, Double Reading Voltmeter, Sockets for Tubes in Detector and Power Stage, Selectivity Control for Additional Tuning, Voltages up to 120 with Power Tube, Compensator, "Loud" and "Soft" Jacks, Volume Control, Power Control

This Console is Equipped with Exclusive A-C Dayton Duophonic Reproducing Chambers which Give a non-directional Effect to the Reproduction. Absorbs each Characteristic of the Pipe Organ Where Sound is Developed from Different Sources. Each of These Chambers has a Travel of 24 Inches and Opens 7 x 12 Inches into the Extreme Rear. This Set Compartment is Entirely Insulated from the Reproducing Chambers with Double-Walled Baffles so as to Eliminate Microphonic Troubles which Power Tubes are Liable to Produce. Both of These Reproducers are of the Most Important Improvements of Any Set Ever Placed in a Box.

Battery Compartments Provide Ample Room for Large Size Storage Batteries, for Both or Any "B" Batteries or Any of the "B" Battery Eliminators, and for "C" Batteries if Desired

The Cabinet is Supplied in Walnut or Mahogany with Rich Rubbed Piano Finish. Dimensions: 46½ In. Wide x 41⅝ In. High x 18¾ In. Deep. Intended Retail Price

No. XL-30CG $265.00

CONSOLE

This Set Has Six Tubes. Features Included in its Specifications List as Follows

Double Vernier Dial Control, Air Space Coils, Completely Shielded in Brass Cylinders, Panel Light, Double Reading Voltmeter, Sockets for Tubes in Detector and Power Stage, Selectivity Control, Provision for Additional Tuning, Voltages up to 120 with Power Tube, Compensator, "Loud" and "Soft" Jacks, Volume Control, Power Control

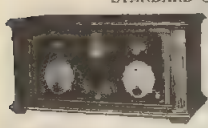
This Console is Equipped with Exclusive A-C Dayton Duophonic Reproducing Chambers of the Same Type as Those Employed in the Type XL-30 Console Grand. Each of These Chambers has a Travel of 24 Inches with an Opening 7 x 8 Inches, Producing Unusual Volume without Impairment of the Tone Quality

Duophonic Reproduction, as Developed by A-C Dayton, is the Result of Exhaustive Researches into the Relatively New Science of Volume Reproduction of Sound. Above It is Enough to Place A-C Dayton Performance on a Plane Removed from "Loudspeaker" Operation and Gives an Unique Value to these Superlative Models. It also Provides the Full set Opportunity for the Refinements Secured by Second Stage Tuning at Extreme Volume.

The Console Cabinet Provides Battery Capacity for Any Requirement, and is Supplied in the Same Attractive Walnut Rubbed Piano Finish Walnut or Mahogany. Dimensions: 36 In. Long x 41 In. High x 17 In. Deep. Intended Retail Price

No. XL-30C $200.00

STANDARD CABINET



This Set Has Six Tubes—Two Stages of Radio Frequency Amplification, Detector, and Two Stages of Audio Frequency Amplification. Provision is Made for Extra "B" Battery in Case a Power Tube is Used, and for "C" Battery Connection if Desired

Features Included in the Specifications List as Follows,

Double Vernier Dial Control, Air Space Coils, Cushion Tube Sockets in Detector and Power Stage, Selectivity Control, Provision for Additional "B" and "C" Batteries, Voltages up to 100 with Power Tube, Compensator, "Loud" "Soft" Jacks, Volume Control, Power Control

The Panel of this Receiver is Straight Grained, Walnut Finished, Bakelite, with a Satin Finish, and all Metal Trimmings are in Gold. Panel Dimensions are 9 x 18 Inches. All Connections are Made from the Rear to Assure Neat Installation. Dimensions 24½ Inches Long x 12¼ Inches High x 12¼ Inches Deep. Intended Retail Price

No. XL-30 ..... $135.00

FIVE TUBE LINE

STANDARD CABINET MODEL

This Set has Five Tubes—Two Stages of Radio Frequency Amplification, Detector, and Two Stages of Audio Frequency Amplification. Provision is Made for Extra "B" Battery in Case a Power Tube is Used, and for "C" Battery Connection if Desired

Features Included in its Specifications List as Follows,

Double Vernier Dial Control, Air Space Coils, Cushion Tube Sockets in Detector Stage, Other Sockets Fitted to Take New UX Base Tube) Selectivity Control, Provision for Additional "B" and "C" Batteries, Compensator, "Loud" and "Soft" Jacks, Volume Control

The Panel of this Receiver is Straight Grained Walnut, Satin Finished Bakelite, 7 x 18 Inches. All Metal Trimmings are in Gold. Cabinet is Mahogany, with High-Lighted Finish, and all Connections are Made from the Rear to Assure Neat Installation. Dimensions 21 Inches Long x 8 Inches High x 8½ Inches Deep.

Intended Retail Price

No. XL-25 ..... $70.00

CONSOLE MODEL

This Set has Five Tubes. Features Included in its Specifications List as Follows

Double Vernier Dial Control, Air Space Coils, Cushion Tube Sockets in Detector Stage (with the Sockets Fitted to Take New UX Base Tube) Selectivity Control, Provision for Additional "B" and "C" Batteries, Compensator, "Loud" and "Soft" Jacks, Volume Control

Battery Compartments in the Cabinet will Accommodate the Largest Type "A" Battery and Type "B" Batteries, or "B" Batteries or Any Type of "B" Eliminator May Also be Used in this Compartment and Provision is Made for "C" Battery Connection.

The Horn of this Cabinet is so Placed that the Set May be in Operation with the Door Closed. Has an Ample Air Travel of 27 Inches and an Opening 15 x 6 Inches, Producing Ample Volume with Excellent Tone Quality.

Horn is Secure to the Lid Jon Block Absorbers to Eliminate Microphonic Noises and the Interior of the Set is Accessible for Operator to Change Tubes or Make Any Adjustment within the Receiver.

Cabinet is of Walnut with High Lighted Finish, Presenting an Exceptionally Beautiful Appearance. Dimensions: 24 ¾ Inches Long x 44¾ Inches High x 14¾ Inches Deep.

Intended Retail Price

No. OXL-25 ..... $139.00

STANDARD CABINET

This Set has Five Tubes, Two Stages of Radio Frequency Amplification, Detector, and Two Stages of Audio Frequency Amplification. Provision is Made for Extra "B" Battery in Case a Power Tube is Used, and for "C" Battery Connection if Desired.

Features Included in its Specifications List as Follows,

Three Dial Tuning (Dials Equipped with Pointers), Wave Length Range 200-550. Provisions for Power Tube in Second Stage, Three Degrees of Selectivity by Use of Three Aerial Type. Volume Control. Clarity Dial.

All Parts Used in this Set are of Highest Quality. A-C Dayton Standard of Performance Guaranteed. Panel of this Receiver is Black, Engraved Bakelite 7 x 14 Inches. Cabinet is of Exceptionally Neat Design with High-Lighted Walnut Finish. All Connections are Made from the Rear to Assure Neat Installation. Dimensions: 17 Inches Long x 10 Inches High x 11¼ Inches Deep.

Intended Retail Price

No. XL-20 ..... $50.00

A-C DAYTON RADIO SETS

Phono-Set

The A-C Dayton Phono-Set is the Complete A-C Dayton Receiver in a special compact form for installation in phonographs. Occupying the space ordinarily devoted to the record rack, the Phono-Set fits practically all cabinet phonographs and most console models. The set is completely contained, with batteries, in the record compartment and the phonograph sound box is employed as a loud speaker. As the regular use of the instrument is in no way impaired, the Phono-Set doubles the utility of any phonograph in which it is installed. Installation requires less than an hour. The total width of the Phono-Set is 14 inches, with adjustable brackets to increase width. All equipment necessary for the installation (including Phonograph unit) is furnished.

No. PHONO-SET (Without Accessories) ONE IN A CARTON — Intended Retail Price $60.00

UNITED RADIO CABINETS

A Radio Console Cabinet, Built in Wood Speaker, Utah Loud Speaker Unit and Battery Case Combined. Made of Genuine Walnut Plywood, Finished in Two-tone Walnut. (Top and Doors are Edge-Banded). Comes with Mounting Panel Cut Out Suitable for Atwater Kent Models 20 and 30. Shipping Weight 100 Lbs.

†No. 649 . . . . . Intended Retail Price $50.00 — Each $

†Factory Shipment Only; F. O. B. Chicago, Ill.

UNITED RADIO CABINETS

These Cabinets are Noted for the Excellent Workmanship, Fine Finish and the Beauty that are Built Into Them.

Every One Gives an Added Touch of Excellence to the Furnishings of the Home

The Wide Variety of Styles in United Radio Cabinets Permits the Choice of One which Will Lend Itself to Any Scheme of Home Decoration.

A Radio Console Cabinet, Built in Wood Speaker Utah Loud Speaker Unit and Battery Case Combined, made of Genuine Mahogany Plywood. Finished a Rich High-light Mahogany. (Top and Doors are Edge-banded). Comes with Mounting Panel Cut Out Suitable for Atwater Kent Models 20 and 30. Shipping Weight 100 Lbs.

†No. 651 . . . . . Intended Retail Price $50.00 — Each $

A Radio Console Cabinet, Built in Wood Speaker, Utah Loud Speaker Unit and Battery Case Combined; Made of Genuine Walnut Plywood with Genuine Butt Walnut Front Maple Overlays on Grille. Has Genuine Inlay on Drop Door. Special Treatment Finish of High-Light Walnut. (The Top and Doors are Edge-Banded). Has Special Drawer Construction in Front, (Pulls Out) for Batteries. Has Sliding Pull-out Mounting Panel. Accommodates Radio Set 21" Long, 9" High, 10½" Deep or Less. Shipping Weight 125 Lbs.

†No. 665 . . . . . Intended Retail Price $100.00 — Each $

†Factory Shipment Only; F. O. B. Chicago, Ill.

Babe Ruth Line of Mitts and Gloves

Fielder's Glove

Made of a very fine selection of Dark Brown Horse Hide, lined with soft glove leather. Strongly bound edges. Leather welted seams, diverted between fingers to prevent ripping. Laced at the wrist to permit change or adjustment of padding. A good, hand formed padding which stays in place. Wide, deep sure-catch pocket. Wide web between thumb and first finger. It has all of those fine points which assist in good playing. Each in box.

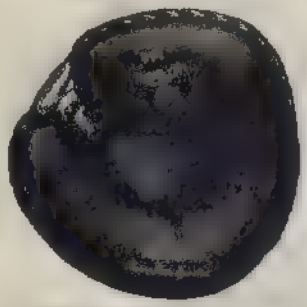
No. 6R40. Each..... 2.35

Fielder's Glove

The horsehide leather is specially tanned and specially oil-treated to give it permanent flexibility and extra wearing quality. The hand-made padding is fitted into each glove. The seams are leather welted and diverted between the fingers to prevent ripping. Laced at wrist to allow change or adjustment of padding. Long thumb with lacing adjustment to form a wider or deeper pocket. Lined with durable, soft leather and leather bound. Each in box.

No. 6R50. Each 3.35

Catcher's Mitt



This mitt is moulded on one of our most popular Professional patterns. Compact and snug fitting, it hugs the hand and the built-in, moulded pocket is always in the right place which helps to make sure catches of hard pitched balls. Made of real Horse Hide of a Dark Brown color. Bound and laced edges. A hand formed pad of good felt. Trap lacing between thumb and face allows adjustment of pocket. Strong strap and buckle at wrist and felt padded extension under the buckle to protect the back of the hand. Every little feature that makes a real mitt, with all of the desired playing and wearing qualities. Each in box.

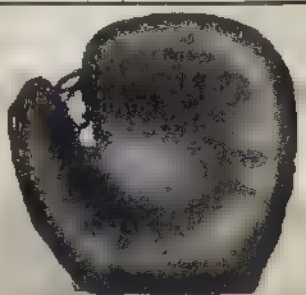
No. 7R45. Each..... 3.35

This goods are endorsed by the famous Babe Ruth and his autograph appears on every article.

Catcher's Mitt

A regular big league Professional model with every quality necessary to make a good mitt. Made of selected light brown, smooth grained Horse Hide, the toughest and best leather for the purpose. The entire face is moulded from one piece of leather. The fingers are double stitched to the back. The edges are leather bound and laced. A strap and buckle at the wrist hold the mitt snugly to the hand. A felt lined, leather extension under the buckle prevents chafing on the back of the hand. A deep, sure-catch pocket is formed in the felt padding and moulded in the leather face. Each in box.

No. 7R46. Each..... 5.25

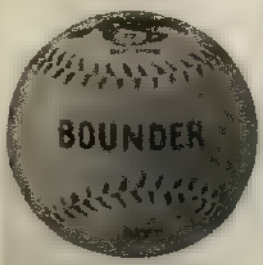


Made of light brown Horse Hide and fitted with a hand-made felt pad with the natural built-in pocket. The pad may be adjusted if desired. The edges are leather bound and leather laced. Strap and buckle at wrist with protector to prevent buckle from rubbing the hand. Lacing between thumb and face permits adjustment of depth of pocket. High or low, wide or close, this mitt helps to hold them. Each in box.

No. 7R75. Each..... 3.35

"Shure Winner" Baseballs

BOUNDER



Bounder. 8½ inch ball, center of best quality cotton waste imitation leather cover. Sewed with strong waxed red thread. Very popular with the small boy. One dozen in box.

No. 5R1. Per gross. 8.75
Per dozen .. .... .75

PRACTICE

Practice. Made same as the bounder except is 8¾ inches in circumference. Just the ball for the larger boy. One dozen in box.

No. 5R5. Per dozen. 1.15

JUNIOR LEAGUE

Junior League. Made with compressed center wound with cotton yarn. Horsehide cover sewed with strong waxed thread. Junior size. Each in box. One dozen in a carton.

No. 5R6. Per dozen. 2.00

YOUTH'S LEAGUE

Youth's League. Full size and weight. Made with compressed center, wound with cotton yarn. Horsehide cover sewed with waxed thread. A dandy ball for the money. Each in box. One dozen in carton.

No. 5R7. Per dozen 2.25

COLLEGE LEAGUE

College League. Rubber center, compressed felt core wound with good grade cotton yarn. Good quality horsehide cover. Double stitched with heavy waxed thread. Full size and weight. Will hold shape and hardness. Each in box. One dozen in carton.

No. 5R11. Per dozen..... 3.75

AMERICAN LEAGUE

American League. Rubber center, compressed felt core, wound with good quality cotton yarn. Very high grade horsehide cover. Double stitched with heavy waxed thread. Regulation size and weight. Unconditionally guaranteed for 9 innings. Each in box. One dozen in carton.

No. 5R15. Per dozen. 5.50

OFFICIAL LEAGUE

Official League. Rubber center, compressed felt base wound with woolen yarn, finished with cotton yarn. High quality horsehide cover sewed with heavy waxed thread. Regulation size and weight. Bound to keep its shape and solidity. Unconditionally guaranteed for 18 innings. Each in box. One dozen in carton.

No. 5R18. Per dozen..... 7.50

Wilson Official League

Wilson Official League. Standard in size and weight. Balanced and lively and will not become lopsided in play. A major league ball that is guaranteed for 37 innings. Conforms to American and National League specifications

Cork and rubber center wound with 100% all wool yarn. Winding finished with cotton yarn. The tough cover is of finest, selected horsehide, double stitched with waxed thread. Each in box. One dozen in carton.

No. 5R21. Per dozen..... 13.20

Courtesy—P. W French and Company

BACCHANTE AND NYMPH

Duograph from black and white copy. *Engraved for* INTERNATIONAL STUDIO.

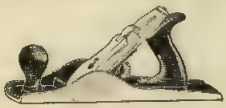
By Powers Reproduction Corporation

BAILEY'S PLANES

CORRUGATED BOTTOM IRON PLANES

Each
No. 4-C Smooth—9" Length, 2" Cutter..... $ 5.60

CORRUGATED BOTTOM IRON PLANES



No.	Length	Cutter	Each
No. 5 C—Jack.....	14"	2"	$ 6.50

CORRUGATED BOTTOM IRON PLANES

No. 5½ C Jack—15" Length, 2¼" Cutter .....$ 7.30

Each
No 7-C Jointer—22" Length, 2⅜"Cutter $ 9.45

STANLEY SCRAPER
Double Handle—Iron Bottom

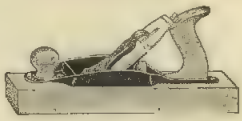
The blade may be sprung to a slight curve by means of a thumb screw, giving ease of operation and quickness of cut. The handles are raised to protect the user's hands, and pierced so that the tool can be hung up out of the way Body and handles cast in one piece.

Each
No. 80—11" long, 2¾" Blade, Japanned. Wgt each 1¾ lbs.... $ 5.00

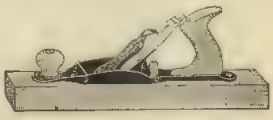
BAILEY'S ADJUSTABLE PLANES

Wood Bottom

Each
No. 22 Smooth—8" Length, 2" Cutter $ 3.30

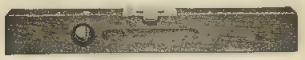


Each
No. 27½ Jack—15" Length, 2¾", Cutter.... $ 4.15

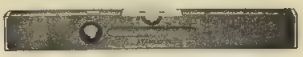


Each
No. 28 Fore—16" Length, 2¾" Cutter.... ....$ 4.55

STANLEY LEVELS



Each
No 0 24" to 30" Plain End $ 1.75



No. 3—24" to 30"—Brass Tip. .....$ 2.50

SINGLE AND DOUBLE PLANE IRONS FOR ADJUSTABLE IRON AND WOOD PLANES

Width, inches	1¾	2	2¼	2⅜	2⅝
Single, each	$ .85	$ .90	$ 1.00	$ 1.15	$ 1.25
Double, each	1.35	$ 1.45	$ 1.50	$ 1.80	$ 1.95

Always give number of plane for which iron is wanted.

BARTON DRAWING KNIVES

Carpenters No. 85

	Per Doz.		Per Doz
8″	$28.15	10″	$ 31.45
9″	29.80	12″	34.80

Coach No. 86.

	List Pr. Doz.		List Pr. Doz.
8″	$30.55	10″	$33.85
9″	32.20	12″	36.60

Narrow Coach No. 87.

	List Pr Doz.		List Pr. Doz.
8″	$28.15	10″	$31.25
9″	29.80		

Wagon Makers No. 88

	List Pr Doz.		List Pr Doz
8″	$30.55	10″	$33 85
9″	32 20	12″	34.80

GREENLEE DRAWING KNIVES

Wagon Makers No. 615

	List Pr. Doz
10″	$30.00

Carriage Makers No. 610

	List Pr. Doz		List Pr. Doz
8″	$24.00	10″	$28.00

Razor Blade No. 600

	List Pr Doz		List Pr. Doz.
8″	$27.00	10″	$31.20
9″	28.80	12″	36.00

New prices on Drawing Knives quoted on request.

REGULAR STRAIGHT SNIPS

Bar tool steel laid blades. Blue finish handles.

No.	Length	Cut	Weight	Each
7	14″	4″	3 lbs	$ 3.50
8	13″	3½″	2½ lbs	3.00
9	12″	3	2 lbs	2.50
10	11″	2½″	1½ lbs.	2.25
12	8″	2″	¾ lbs	1 75

Courtesy The Metropolitan Museum of Art, N. Y.

A BASHI BAZOUK

By BARGUE

THIS INSERT OF FOUR PAGES, IN FOUR COLOR PROCESS, ENGRAVED AND PRINTED BY
THE COLORPLATE ENGRAVING COMPANY
NEW YORK CITY

Courtesy—Mr. John D. Rockefeller, Jr.

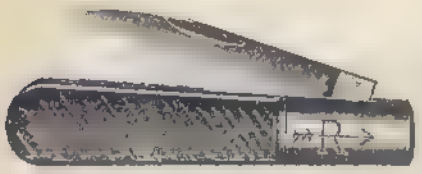
AN IMPERIAL PRINCE (MANCHURIAN) IN HIS WEDDING ATTIRE

FAMILLE VERTE—EPOCH OF K'ANG HSI

FOUR COLOR PROCESS ENGRAVINGS MADE AND PRINTED BY
THE COLORPLATE ENGRAVING COMPANY
NEW YORK CITY

BARLOW POCKET KNIVES

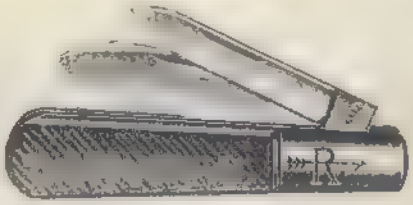
RUSSELL



One Blade, Spear Point, Glazed, Steel Lined, Heavy Steel Bolster

Per Dozen

No. 60—Brown Bone Handle, 3⅜ in. Long, Weight Per Dozen 1¾ Pounds $5.25



Two Blades, Large Spear and Pen, Glazed, Steel Lined, Heavy Steel Bolster.

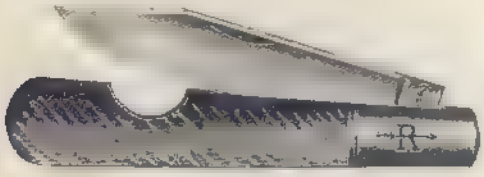
Per Dozen

No. 62—Brown Bone Handle, 3⅜ in. Long, Weight Per Dozen 2¼ Lbs. $7 50

Two Blades, Large Clip and Pen, Glazed, Steel Lined, Heavy Steel Bolster.

Per Dozen

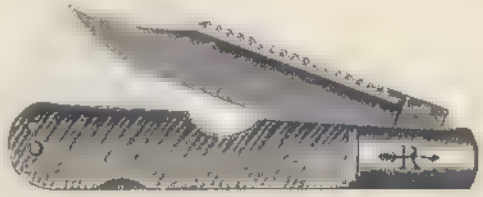
No. 66—Brown Bone Handle, 3⅝ in. Long, Weight Per Dozen 2¼ Lbs. $7 50



One Blade, Clip Point, Glazed, Brass Lined, Heavy Steel Bolster.

Per Dozen

No. 6000—Easy Opener, Brown Bone Handle, 5 in Long, Weight Per Dozen 3¾ Lbs. $11.00



Fishermans, One Clip Point Blade with Saw Back, Glazed, Brass Lined, Steel Bolster.

Per Dozen

No. 6—Lock Back Brown Bone Handle, 5 in. Long, with Pocket Case, Weight Per Dozen 3¾ Lbs. $18.00

RACE KNIVES

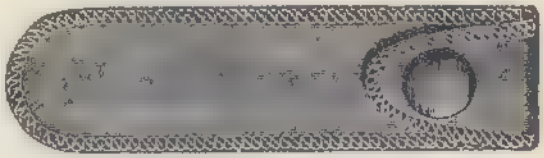
For Woodworkers, Plasterers, Electricians, etc. For marking and grooving.

Per Dozen

No. 135—Redwood Handle, 3½ in. Long, Steel Lined, Steel Bolster $18.00

One-half Dozen in a Box

POCKET KNIFE PURSES



Fine Kid Leather, Snap Button Fastener

Nos.	1	2	3	5
Length, Inches	2½	3	3½	5
Per Dozen	$1 00	1.00	1.00	1.00

Open Stock.

SAFETY RAZOR BLADES

GEM DOUBLE LIFE BLADES

Ingeniously prepared and tempered steel, ground with minute and exacting care

The edge of each blade is protected, packed individually and hermetically sealed in wax paper-covered packages

Per Package

No. 6—6 Blades in a Package, 24 Packages in a Carton $0.42

EVER-READY RADIO STEEL BLADES

The cutting edge is one ten-thousands of an inch thick. Each blade protected by paraffine cardboard and wrapped in climate proof paper in a seal locked wrapper.

Per Package

No. 5—5 Blades in a Package, 24 Packages in a Carton $0.35

SAFETY RAZOR BLADES

DURHAM DUPLEX

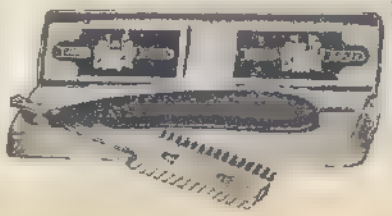
Made of the finest Swedish Steel, Hardened, Oil Tempered, Hollow Ground, Honed, Stropped and Hand inspected. Each Package Hermetically Sealed in Waxed Paper.

Per Package

No. 5D—5 Blades in a Package (10 Shaving Edges) .$0 50

SAFETY RAZORS

DURHAM DUPLEX



Each

No. 1—Standard Set, Nickel Plated Razor with Grained White Celluloid Handle, Safety Guard and Package of Three Double-Edged Hollow Ground Blades, All in Grained White Celluloid Case...$1.00

GEM SAFETY RAZORS

The Original Safety Razor. The Adjustment is entirely Automatic.

Standard

Triple Nickel Plated Brass Gem Frame, Handle and Blade Box, with Six Gem Double Life Blades.

Each

Standard—All in Black Covered Wood Case, Purple Velvet Lined, Size 3¾x2x1½ in.....$1.00

EVER-READY SAFETY RAZORS

Triple Nickel Plated Brass Ever-Ready Frame, Handle and Blade Box, with Five Ever-Ready Radio Steel Blades.

Each

Sedan—All in a Square Flat Maroon Cloth-Leather Extension Top and Bottom Case, Red Satin and Velvet Lined, Size 3⅝x3x1½ in.....$1.00

Triple Nickel Plated Brass Ever-Ready Frame, Handle and Blade Box, with Five Ever-Ready Radio Steel Blades.

Each

Mahoganite—All in Rich Rare Mahoganite Hand Finished Wood Case, Size 3⅝x2⅛x1⅝ in.....$1.00

VALET AUTO-STROP SAFETY RAZORS

The only Automatic Stropping Safety Razor on the market. It shaves, Strops automatically and cleans without removing the Blade from the holder.

Triple Silver Plated Self-stropping Razor, 10 Auto-Strop Blades, specially prepared selected Leather Strop, Silver Plated Strop Container, Chased Silver Plated Blade Box.

Each

Silver Standard—In Black Sealgrain Leather Case, Purple Silk and Velvet Lined.....$5.00

Metal Case Outfit

Triple Silver Plated Self-stropping Razor, 10 Auto-Strop Blades, specially prepared selected Leather Strop, Chased Silver Plated Strop Container and Blade Box.

Each

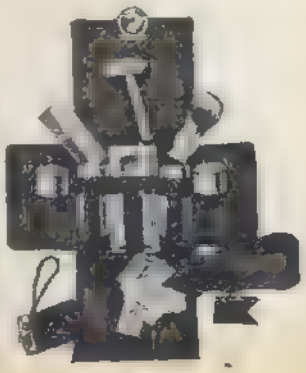
Londoner—Nickel Plated Metal Case, Purple Silk and Velvet Lined $5.00

Metal Case Outfit

Triple Silver Plated Self-stropping Razor, 10 Auto-Strop Blades, specially prepared selected Leather Strop, Chased Silver Plated Strop Container and Blade Box.

Each

New Yorker—Nickel Plated Metal Case with Embossed Cover, Purple Silk and Velvet Lined....$5.00



Leather Case Outfit

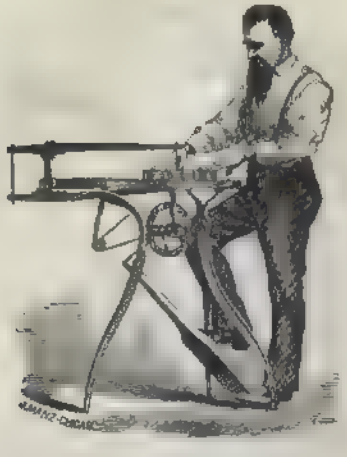
Contains 1 Londoner Metal Case Outfit as described above, showing Brush in Silver Plated Tube, Shaving Stick in Silver Plated Tube.

Each

Tourist—Flexible Black Leather Case, Velvet Lined $10.00

WOOD WORKING MACHINERY.

SCROLL SAWS.

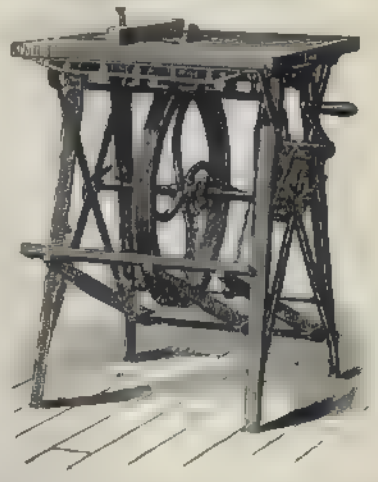


Net each

No. 7—Cast iron frame, hard maple table and arms, balance wheel runs on steel arbor, 7 in. blade, complete with 1 dozen saw blades. ..... Market Price

For carpenters, cabinet makers and other wood workers. Will saw [illegible] per minute in [illegible]. Ordinary rate of speed [illegible] leaves the work as smooth as is possible for saws to do it, and [illegible] in an instant for inside work. The swing around the blade under the arm is 24 in. Weight 55 lbs. boxed ready for shipment. [illegible]

COMBINED CIRCULAR AND SCROLL SAWS.



Net each

No. 25—Circular saw only (with two 6 in. saws,) without attachments ..... Market Price

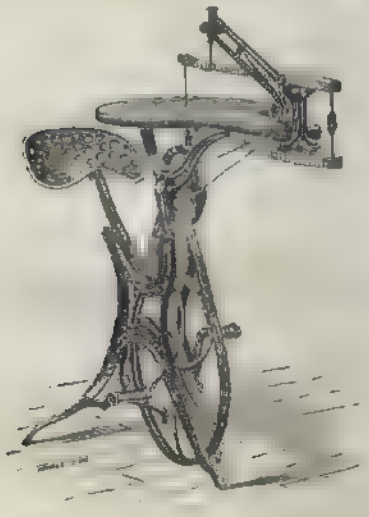
No. 26—Scroll saw attachment (1 dozen saws,) extra .....

No. 27—Boring attachment, with drill chuck, extra .....

No. 28—Combined machine, complete with attachments. .....

Combines a circular and scroll saw, the circular saw being the machine proper with the scroll saw as an attachment. Neither the circular nor the scroll saw interferes with in the slightest degree with the successful operation of the other. The capacity of the scroll saw is the same as that of No. 7. The table can be handily adjusted up or down by a cam to allow any desired depth of cut being made by the saws or cutter tools. The circular saws are 6 in. in diameter, and reach 1½ in. above the table. Weight boxed ready for shipment, 350 lbs.

VELOCIPEDE SCROLL SAWS.



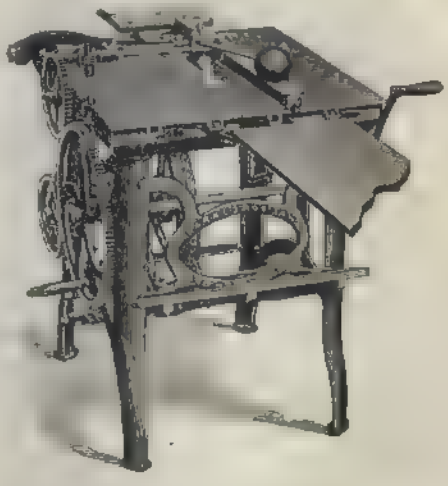
Net each

No. 2—Cast iron frame, hard maple table and arms, with 1 dozen blades (without attachment) ..... Market Price

No. 28—With boring attachment, including one ⅛ in. bit .....

The swing around the blade under the arm is 24 in. The saw weighs 90 lbs., boxed ready for shipment, 130 lbs. The boring [illegible] can be furnished at any future time, if not desired when ordering the machine. We can furnish extra blades at the following prices, each: 1-16, 15c; 3-32, 15c; [illegible], 20c; 5-32, 20c; 3-16, 25c; 7-32, 30c; [illegible], 35c.

CIRCULAR SAWS.



Net each

No. 4—Iron and steel frame, 30x30 in., iron plate, complete with self-feed, two 10 in. circular saws (1 each rip and cross-cut,) weight 400 lbs., crated 480 lbs. .....

No. 5—Countershafts, for steam instead of foot power, otherwise same as No. 4. ..... Market Price

No. 6—Boring attachments .....

No. 7—Countershaft and belt pulleys .....

No. 8—Universal mitre gauges .....

Hand and foot power for hard or soft, thick or thin lumber. Can be used as a cross-cut saw. Self-feed mechanism can be instantly thrown back to rear of machine also rip gauge, leaving table perfectly clear for cut-off work. Can be used for rabbeting and grooving. The self-feed can be used for grooving and rabbeting as well as with [illegible] is used for ripping. Cutter heads are also used for grooving and dadoing and with knives of suitable width for joining. Can be provided with boring attachment, which is the same as used on the combined machine.

WOOD WORKING MACHINERY.

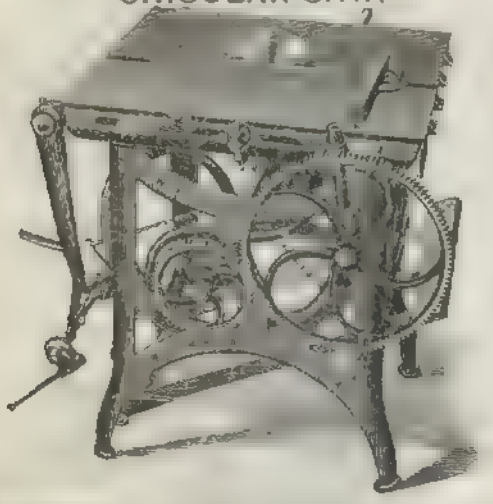
HAND CIRCULAR RIP SAWS.

Net each

No. 14 Weight 190 lbs., boxed 200 lbs., complete with two 10 in. saws ..... Market Price

[illegible] to 3¼ in., and of any width up to 19 in. The rollers are self-adjusting to thick, thin or uneven lumber. The saw can be instantly set to or from the gauge to any width desired. Rabbets, bevels, tenons, etc., can be cut to advantage, and by using two sawsside by side grooving for window and door stops, etc., can be done. (An extra saw is furnished for this purpose.)

CIRCULAR SAW.



This new machine we are placing on the market to meet the demand for a foot and hand power circular saw stronger and covering a wider range of work than either our hand circular rip saw or our combined machine.

The new machine is not intended to supplant either of the old machines but is designed to cover a field of its own and we offer it to carpenters and builders, cabinet makers, picture frame makers and woodworkers in general believing we are presenting the strongest, most powerful and eminently practical foot and hand power circular saw that has ever been built.

The machine is very strongly [illegible] throughout first class. The table is of iron, planed perfectly true [illegible] inches. The large range of work which the machine will do [illegible] the following enumeration of its various arrangements and combinations.

First: It can be used as a hand and foot power circular rip saw with self feed and this feed can be regulated properly for hard or soft, or thick or thin lumber, and is self-adjusting for number of different and uneven thickness. With [illegible] saw will rip up to 2¾ inches thick can be ripped [illegible] inch saw and [illegible] has.

Second: It can be used as [illegible] self feed mechanism can be [illegible] thrown back to the rear of the machine, as also the rip gauge, leaving the table [illegible] for cut-off work. The self-feed mechanism can be put in position for use or thrown back out of the way, without requiring the use of a wrench or the removal of [illegible] parts. The cut-off gauge can be set at any required angle. The [illegible] have a high speed for cross-cut work and slow speed for ripping.

Third: The machine can be used for rabbeting and grooving and the high speed at which the saw revolves can be run insures smooth and clean-cut work. The [illegible] feed [illegible] for [illegible] and [illegible] for ripping [illegible] and [illegible] and [illegible] width for joining. The [illegible] steel [illegible] and [illegible] depth of grooves and rabbet.

While the machine is designed particularly to be used by hand and foot power it can be driven equally well by steam or other suitable motive power, and will therefore be prepared to furnish the machine arranged with counter shaft and belt pulley when desired.

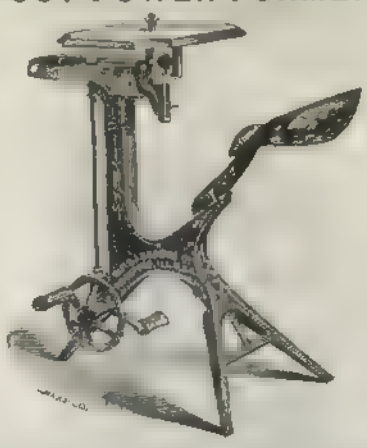
Net each

No. 4—Complete with self feed, with two 10 in. circular saws, (one rip and one cut off), weight boxed 500 lbs. ..... Market Price

Boring attachment .....

Counter shaft and pulley, for steam. .....

FOOT POWER FORMER.



The cut represents a machine for moulding edges on brackets, scroll work, panel work, regular and irregular mouldings of all styles up to ¾ inch. The speed of the knives is from twenty to twenty-five hundred per minute. By the aid our **PATENT VELOCIPEDE FOOT POWER** the knives are at the will of the operator, caused to rotate in either direction that the grain of the wood may require, thus avoiding all complicated devises for reversing motion usually employed on single spindle formers. The great speed of the knives insures rapid and smooth work.

The spindle and its bearings are of steel with adjustments to take up the wear. The parts to set the machine for the use of different knives and work are convenient and all substantial and durable. The table can be lowered to give 2¾ inches between it and the lower cutting edge of the knife.

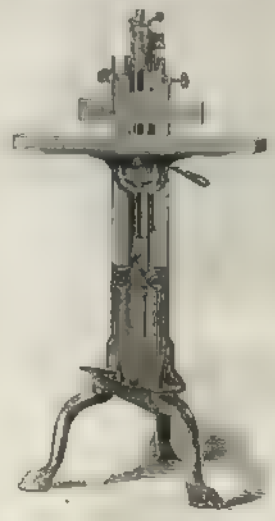
Net each

No. 20—Weight 80 lbs., boxed 110 lbs. ..... (without knives) ..... Market Price

Extra Knives .....

List of knives sent with each machine and such as you maywant can be sent by mail.

FOOT POWER MORTISERS.



Net each

No. 9—Foot power mortisers, without chisels, weight 135 lbs., boxed 170 lbs. .....

No. 10 Self-cleaning mortising chisels, sizes ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞ and 1 in. ..... Market Price

No. 11—Blind slat chisels, with 3 sets bits. .....

Has great range for work, power on the chisel, accuracy in its action, and has all the required adjustments, which are easily and quickly made. Has abundant strength, is durable, and occupies but little space. Except the supplementary table and treadle, the machine is made entirely of iron and steel.

ALL F. O. B. ROCKFORD, ILLS.

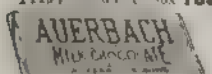
"PAGOMA" Tools and Cutlery are high in quality and workmanship.

BAR AND PACKAGE CANDIES

"AUERBACH'S"

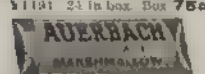
NOTE 10 boxes or more of Auerbach's bars, 1 kind or assorted, Box **72c**

Almond Bar—Milk chocolate with nuts. 1¾ oz. bar. Y1491 ... Box **75c**



Milk Chocolate Bar—1¾ oz. bar. Y1489 ... Box **75c**

Pineapple Bar—Pineapple cream, chocolate coated. Y1491 24 in box. Box **75c**



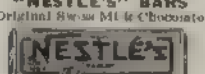
Marshmallow Bar—Vanilla marshmallow. Y1487 ... Box **75c**

Cocoanut Cream Bar—Chocolate cream center, cocoanut coating. Y1486 ... Box **75c**

"7-11"—Caramel and nut center, chocolate coated. Y1406 24 in box. Box **75c**

"NESTLE'S" BARS

Original Swiss Milk Chocolate



Milk Chocolate Bar—
Y1184 (Mfrs 632. 5c size. 24 in box
Y1185 (Mfrs 651) 10c size. 12 in box. Box **75c**
10 boxes or more, Box **72c**

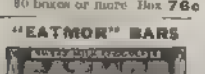
Almond Bar—
Y1186 (Mfrs 601. 5c size. 24 ...
Y1187 (Mfrs 897) 10c size. 12 in box. Box **75c**
10 boxes or more, Box **72c**

"HERSHEY'S" BARS

Milk Chocolate Bar—
Y1797 — (Mfrs 105 ... 5c size. 24 in box
Y1798 — (Mfrs 110 ... 10c size. 12 in box. } Box **79c**
1 ... Box **76c**

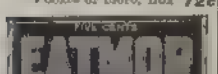
Almond Bar—
Y1800 — (Mfrs 67) 5c size. 24 in box
Y1799 — (Mfrs 20) 10c size. 12 in box } Box **79c**
10 boxes or more, Box **76c**

"EATMOR" BARS



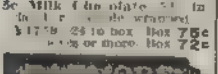
5c Peanut Filled ... milk chocolate coated wrapped.
Y1757—24 in box, Box **80c**
5 boxes or more, Box **48c**

5c Almond Bar—Milk chocolate ... wrapped.
Y1758—24 in box, Box **75c**
5 boxes or more, Box **72c**



5c Milk Chocolate—5¼ in. flat double wrapped
Y1756 ... Box **80c**
... Box **68c**

5c Milk Chocolate ... in. flat ... wrapped.
Y1759—24 in box, Box **75c**
... or more, Box **72c**

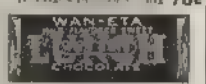


"Eatmor"—20 ... chocolate ... in box.
Y1755—24 in box, Box **75c**
5 boxes or more, Box **72c**

BIG SELLING CANDY BARS

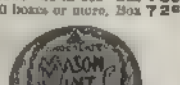
"Magic"—French style, sweet chocolate with peanuts. Box
Y1807—24 in box.. **5¢½c**

Rockwood's" 3¾ in. milk chocolate, filled with nut ..., double wrapped. Looks larger than most 5c bars
Y1418 ... Box **72c**
10 boxes or more, Box **70c**

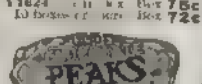


"Wan-eta"—1 oz. or better, nut flavored sweet chocolate filled with ground nuts, double wrapped
Y1474—18 in box. Box **75c**

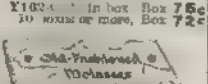
"Baby Ruth"—3oz. or more milk chocolate coated nougat, topped with roasted peanuts, packed with milk chocolate
Y1135—24 in box Box **75c**
10 boxes or more, Box **72c**



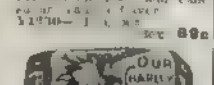
"Mason Mint"—Cream center ... with chocolate
Y1624 ... Box **75c**
10 boxes or more, Box **72c**



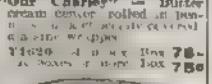
"Peaks"—Cut cocoanut heavy chocolate coating
Y1624 ... in box Box **75c**
10 boxes or more, Box **72c**



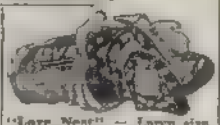
Molasses Bar—... oz. New ... and ... coated
Y1740— ... Box **80c**



"Our Charley"—Butter cream center rolled in peanuts, chocolate coated, wrapped
Y1620 ... Box **75c**
... boxes or more, Box **75c**

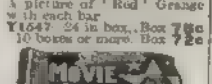


"Mounds"—Shredded cocoanut, chocolate coated, foil wrapped.
Y1181—24 in box. Box **75c**

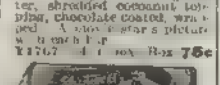


"Love Nest"—Large size, ... and nut center, chocolate coating, wrapped
Y1974—24 in box Box **75c**
10 boxes or more, Box **72c**

"Red Grange"—... cream center covered with ... caramels, rolled in roasted peanuts, milk chocolate coated, wrapped, ... picture of "Red" Grange with each bar
Y1647—24 in box.. Box **75c**
10 boxes or more, Box **72c**



"Movie Stars"—Marshmallow ... maple cream figure, shredded cocoanut topping, chocolate coated, wrapped, ... picture of ... with each bar
Y1767—24 in box Box **75c**



"Uncle Bob"—... bar, ... marshmallow ... caramel center, ... coated, wrapped, ... picture of Uncle Bob with each bar
Y1784—... in box Box **75c**

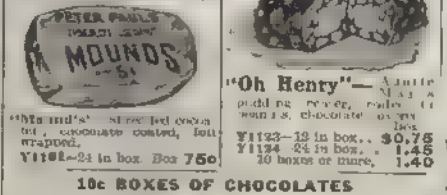
"Curtiss" Loaf—2 oz. marshmallow topped with peanuts, chocolate coated
Y1752—24 in box, Box **75c**

Peter Paul's ... cream and cocoanut ... in cocoa ... peanuts, chocolate coated
Y1723 ... Box **75c**

"Cocoanut Grove"—... shredded cocoa ... chocolate coated
Y1736—24 in box. Box **75c**

"Oh Henry"—Nougat ... pecans, ... chocolate coated
Y1123—12 in box.. **$0.75**
Y1124 24 in box.. **1.45**
10 boxes or more, **1.40**

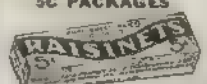
10c BOXES OF CHOCOLATES



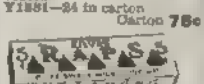
"Mavis" Chocolate Almonds—10 ... oz. ... in box, ... and in French style sweet chocolate, each piece capped, silver foil covered box.
Y1008—2 doz. in display carton Box **82c**
1 gro. or more, Gro **$8.60**

"Mavis" Chocolate Cherries—5 pieces in box, whole cherries in cream, double dipped, sweet chocolate coating, each piece capped, ribbon tied box.
Y1009—2 doz. in carton, Box **82c**
1 gro. or more, Gro **$9.60**

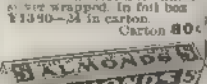
5c PACKAGES



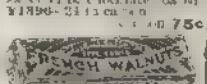
"Raisinets"—1¼ oz., raisins, ... milk chocolate coated
Y1881—24 in carton
Carton **75c**



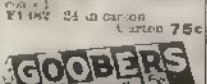
Silver "Raps"—10 pieces, ... wrapped, in foil box
Y1390—24 in carton.
Carton **80c**



Almonds—... almonds ... milk chocolate ...
Y1886—24 in carton
Carton **75c**



French Walnuts—1¼ oz. walnuts ... milk chocolate coated
Y1482—24 in carton
Carton **75c**

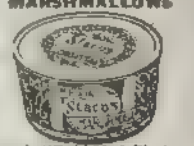


"Goobers"—1¼ oz., peanuts ... milk chocolate coated
... box
Y1870—24 in carton
Carton **75c**

BUTTER SCOTCH

"Honey Scotch"—Butterscotch chewing candy coated in honey. 10 pcs. in box.
Y2414—36 in display carton
Carton **95c**

MARSHMALLOWS



Stacey's "Gold Medal"—4 oz. extra large pieces in sifter ...
Y1864 ... Box **$1.25**

"ADVANCE" DISPLAY RACK

... for ... other ... and ... as well as candy

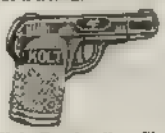
Y1856 ... in high, 1 ... in ... of ... and ... candy ... with ... Y1857 ... **$1.00**
NOTE ... each ... in ... in ... Y1858 ... Y1859 ... Y1860 ... Y1861 ... Y1862 ... Y1863 ... Y1864 ... Y1865 ... Y1866 ... Y1867 ... Y1868 ... Y1869 ... Y1870 ... Y1871 ... Y1872 ... Y1873 ... Y1874 ... Y1875 ... Y1876 ... Y1877 ...

CANDY FILLED GLASS NOVELTIES

The market is higher than our prices indicate—many merchants buying elsewhere have to get 15c for these items you can offer at a DIME.

Revolver — 5¼ in. clear glass.
Y454—2 doz. in carton. 8 lbs. Doz **80c**

Locomotive—5 in., clear glass.
Y459—2 doz. in carton, 13 lbs. Doz **80c**



"Colt Revolver" — Clear glass grip, rest black exact copy of real colt.
Y464—2 doz. in carton, 12 lbs. Doz **80c**

Telephone 4½ in. asstd. pale and painted glass in box.
Y448—2 doz. in carton 10 lbs. Doz **80c**

Radio—2 in. long, switchboard like front, bright colors.
Y444—2 doz. in carton, 10 lbs. Doz **80c**

"Yellow Taxi"—Clear glass, enamelled yellow and black.
Y446—2 doz. in case 12 lbs. Doz **84c**

Lantern—3¼ in., asstd. colored glass.
Y449—2 doz. in carton 10 lbs. Doz **80c**

Motor Cycle—5 in. clear glass colored mab and wheels.
Y486—2 doz. in carton 13 lbs. Doz **84c**

Introductory Assortment
Y487—Assortment of 6 pcs. Pair Steers, Locomotive, Radio, Telephone, Lantern, Motor Cycle. Each novelty candy filled. 4 doz. in case. Doz **80c**

HOP FLAVORED MALT SYRUP

Y4886—"Bettermade." 2½ lb. can high grade extract of malt and hops, pure pasteurized. Guaranteed to keep undefinitely. Contains 12 cans in case. Case **$5.25**

CANDIES IN GLASS JARS

3 Kinds—2¼ oz. net, midget kisses, buttercups and peppermint cups, bright colors, assted flavors, screw top jar.
Y022—Assted. 2 doz. in case. Doz **$1.10**

"Charms"—2¼ oz., pure sugar fruit tablets and filled glass bead pockets, assted flavors, screw cap jars.
Y1175—2 doz. in case, about 16 lbs. Doz **$1.10**

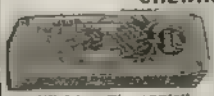
GUM AND GUM VENDORS

PENNY GUMS

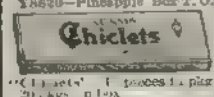
Riddle Gum—Large 15 cent gum in wrapper. Each wrapper has a riddle and answers. Box of 3 for 1c.
Y4627—Box of 100 sticks in box. In box of 10 sticks, **69c**

"Oh Boy"—Jumbo 4½ in. stick, retains its flavor, double wrapped. 100 sticks in display box.
Y8502—Spearmint.
Y8503—Orange.
Y8504—Peppermint.
BOX of 100 sticks **68c**
5 boxes or more, Box **66c**

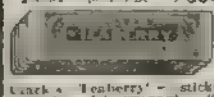
CHEWING GUMS



"Griffith's Pineapple" — 5 sticks in pkg. Fine quality chiclets, soaked in pineapple juice, lasting flavor. 20 pkgs. in box.
Y8620—Pineapple. Box T. O.

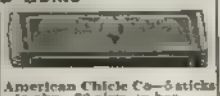


"Chiclets"—5 pieces in pkg. 20 pkgs. in box.
Y8603—Peppermint. } Box
Y8604—Spearmint. } **60c**

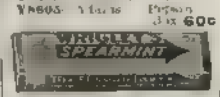


Clark's "Teaberry"—sticks in pkg., foil wrapped. 20 pkgs. in box.
Y8696—Mountain tea flavor. Box **60c**

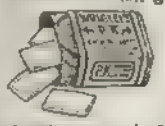
FREE
Black glass display tray 14x8 in. with 6 boxes of Clark's Teaberry Gum.
Y8818—Mountain tea flavor foil wrapped, 5 sticks in pkg. 20 pkgs. in box, 6 boxes and black glass display tray in case.
Y 18E gum and tray **$3.60**



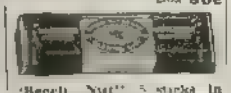
American Chicle Co—5 sticks in pkg. 20 pkgs. in box.
Y8817—Beeman's "Pepsin."
Y8618—Black Jack.
Y8619—California Fruit.
Y8605—Yucatan Peppermint.
Box **60c**



"Wrigley's"—5 pkgs. in box.
Y8606—Spearmint.
Y8662—Juicy Fruit.
Y8659—Doublemint, "peppermint flavor."
Box **60c**



"Spearmint"—5 pieces in pkg. 40 pkgs. in box.
Y8687—Peppermint. Box **60c**



"Beech Nut"—5 sticks in pkg. 20 pkgs. in box.
Y8875—Peppermint.
Y8876—Wintergreen. } Box
Y8877—Spearmint. } **60c**
Y8878—Licorice.
Y8879—Fruit flavored.

Free on Request—A humidor display case sent free with 25 boxes or more on request.

VENDING MACHINES AND PENNY BALL GUM

Vending Machine—8½x8¾ in. holds about 300 balls, gold lacquered finish.
Y8688—Machine only. Each **$7.50**
Y8690—Machine with 1000 balls of gum. Complete **$8.00**

Bracket—For placing outside store.
Y8689—.....Each **75c**

Penny Ball Gum — Assted. 5 flavors.
Y8692—100 balls in box. Box **22c**
10 boxes or more, Box **22c**
100 box. or more, Box **18½c**

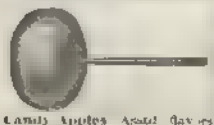
"Pistol Target" 16x15x8 metal cabinet, barrel enamel finish, four glass pieces, strong pistol. Machine player can get a ball of gum for every penny he shoots by turning button.
➡Y8633—1 in case, 10 lbs. Each **$21.50**

Shipped F. O. B. factory in Brooklyn.

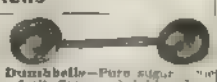
PENNY CANDIES

SUCKERS

"Charms" Pops—True fruit flavors, orange, cherry, raspberry, grape, etc., wrapped.
Y1191—120 in box Box **72c**



Candy Apples—Assted. flavors and colors.
Y1143—120 in box Box **75c**



Dumbbells—Pure sugar, fruit flavors, bright colors.
Y7440—120 in box Box **75c**

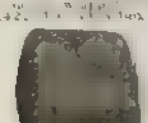
WRAPPED CARAMELS

Y1691—Clark's, English butterscotch caramels, wrapped. 300 to box. Box **78c**

CHOCOLATE CANDIES

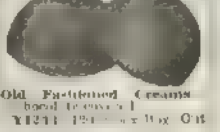
Hershey's Kisses—Milk chocolate.
Y1422—..... box **$1.00**

Rockwood's Cakes—Mixed chocolate wafers.
Y1425—..... box **75c**

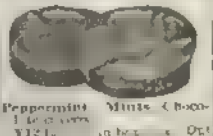


Greenfield's Sponges—Crisp center in chocolate covered.
Y1428—..... box **78c**

Cigars—Sweet vanilla chocolate each in pouch.
Y1423—120 in box Box **75c**



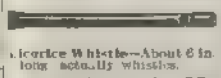
Old Fashioned Creams—Assted. flavored creams.
Y1211—120 ..... Box **Ont**



Peppermint Mints—Chocolate covered.
Y1[illegible]—..... in box ..... Box **Ont**

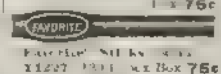
Hershey's Bars—Sweet milk chocolate.
Y1095—120 in box Box **80c**

LICORICE CANDIES



Licorice Whistles—About 6 in. long, actually whistles.
Y1405—120 in box Box **75c**

Comeback Ball—Assted. Jelly center surrounded by licorice coated outside. Each card "I'll be back."
Y1683—120 in box **75c**



Favorite Stix—Licorice.
Y1227—120 in box Box **75c**

"A No. 1" Drops—Highly flavored licorice cough drops.
Y1629—..... in box Box **$1.80**

"TOOTSIE" ROLL

"Tootsie" Rolls—Chocolate chewing center, wrapped.
Y1003—120 in box Box **75c**
10 boxes or more, Box **72c**

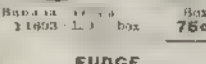
MARSHMALLOW CANDIES

"400" Drops—Vanilla flavor.
Y1719—400 in box Box **$1.00**

Y1583—..... box

"Bright Stars"—Crystallized candy filled with fruit juices, bottle shape, marshmallow back.
Y1583—120 in box Box **68c**

Cone Puffs — Wafer cone, marshmallow filling, fruition cherry top.
Y1585—120 ..... box Box **75c**

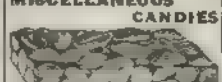


Banana ..... Box
Y1693—..... box **75c**

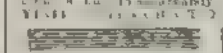
FUDGE

Cream Fudge—Variegated, top log. 120 in box.
Y1159—Vanilla..... } Box
Y1160—Chocolate..... } **72c**

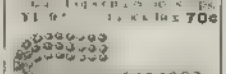
MISCELLANEOUS CANDIES



Peanut Bars—..... Y1581—..... **70c**

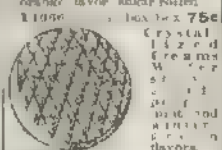


Cream Beans—..... Y1[illegible]—..... box **70c**



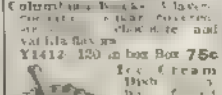
Buttons—..... Y1394—120 in box Box **70c**

Orange Slices—Soft sour jelly, orange flavor, sugar rolled.
Y1056—..... box Box **75c**



Crystal Fluted Creams—Wafer ..... flavors.
Y1231—..... box Box **75c**

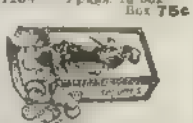
Columbian Bonbons—Chocolate ..... vanilla flavors.
Y1412—120 in box Box **75c**



Ice Cream Dish—..... Y1401—..... box Box **69c**

PACKAGE CANDIES

Boston Baked Beans—Spanish peanuts with sugar coating.
Y1289—..... pkgs. in box Box **75c**



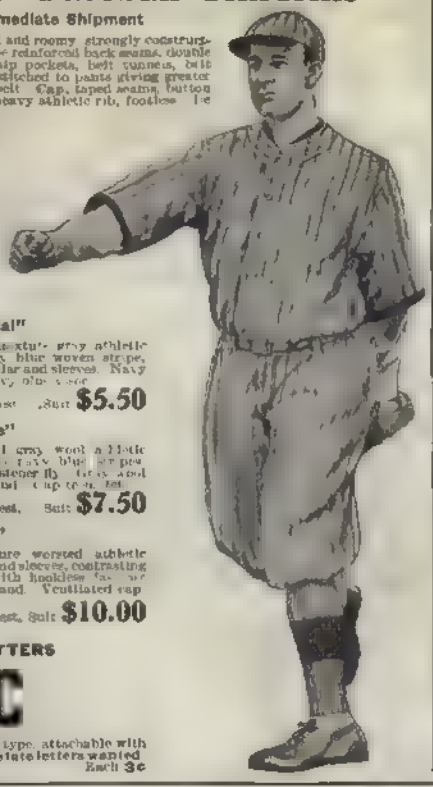
"Captain Kidd's"—About 16 ..... with a prize ..... Y1734—..... pkgs. in box, Box **80c**

Assortment—..... boxes in ..... It sharing coupons in each box.
Y1400—120 pkgs. in box with display carton. Box **80c**

"Pennant" Baseball Uniforms

In Stock—For Immediate Shipment

"Pennant" uniforms are full and roomy, strongly constructed. Shirt, coat style. Pants, tape reinforced back seams, double crotch, reinforced big roomy hip pockets, belt runners, belt made of same material, triple stitched to pants giving greater comfort than old style leather belt. Cap, taped seams, button top, green lined visor. Hose, heavy athletic rib, footless. Be sure to state sizes wanted.



"Semi-Pro"

"Semi-Pro"—Solid gray washable athletic flannel trimmed with 2 rows navy blue soutache cording. Gray hose with navy blue band. Gray cap with navy blue visor.

1K672—Men's, 36 to 42 in. chest. Suit **$4.25**

1K676—Boys', 28 to 34 in. chest. Suit **$3.60**

"Professional"

"Professional"—Heavy weight gray athletic flannel with two rows navy blue woven stripe. Navy blue collar and sleeves. Navy blue hose with gray and navy blue stripe.

1K677—Sizes 36 to 42 in. chest. Suit **$5.50**

"Collegiate"

"Collegiate"—Heavy ribbed gray wool athletic flannel with two rows navy blue stripe. Knee length with hooked eye fastener fly. Gray wool hose with gray and navy blue band. Cap to match.

1K674—Sizes 36 to 42 in. chest. Suit **$7.50**

"Official"

"Official"—Rich blue-gray pure worsted athletic flannel, navy blue trim neck and sleeves, contrasting silk cording, pants fitted with hookless fasteners. Wool hose with 4 in. band. Ventilated cap. Big League" class.

1K675—Sizes 36 to 42 in. chest. Suit **$10.00**

UNIFORM LETTERS

1K603—2½ in. black felt block type, attachable with cement or tailors adhesive. State letters wanted. Each 3c

"Pennant" Baseball Equipment

Separate Pants—Gray flannel, full cut, 1st quality, box front, roomy hip pockets, hookless fastener fly. Sizes 34 to 46.

1K677—1 pair in box. Pair **$2.50**

Hose—Wool plated heavy ribbed gray with blue band, footless.

1K602—6 doz pairs in box. Doz pairs **$11.50**

Cap—Athletic flannel, taped seams, green lined visor. Assd sizes 6¾ to 7¾. 1 doz in box.

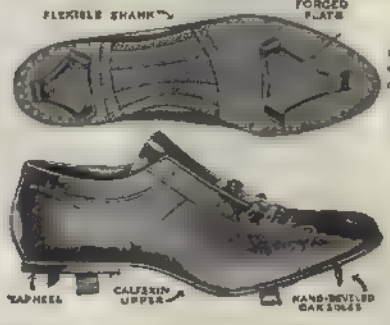
1K605—Solid gray. Doz **$6.00**

1K606—Gray, blue or plaid. Doz **$6.00**

Sliding Pad—Quilted, washable sanitary.

1K652—1 pair in box. Per pair **$1.35**

"PENNANT" Sprint Model Baseball Shoe

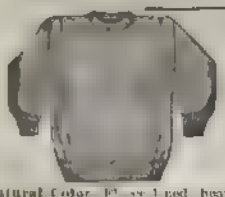


No space between uppers and soles for mud to accumulate. Can be folded double without injury.

1K730—Black pliable calfskin upper, folded over leather lined long arch support, fiber counter and beveled light oak leather top sole and heel, beveled flush to upper sole, set between soles, cleats spike bearing part of foot, flat bib shank, forged plates, grain leather insole, full sock lining. Sizes 6 to 11. 1 pair in box. Per pair **$3.50**

Sweat Shirts Are Selling!

They will be in big demand for beach wear all Summer



Natural Color—Fleece lined, heavy ribbed rubber yoke, cuffs, waistband, ½ doz to pkg, state sizes.

1K717A—Boys', size 28. Doz **$6.35**

1K717B—Boys', size 30. Doz **$6.95**

1K717C—Boys', size 32. Doz **$7.35**

1K717—Men's, sizes 34 to 44. Doz **$7.50**

Show Sweat Shirts With Bathing Suits
—In Your Windows
—On Your Counters

"V" Neck—Fast color, yarn dyed fabric, soft fleeced back, ribbed wrists and waistband, contrasting trim. ½ doz in pkg.

MEN'S OR WOMEN'S—Size 36 to 46.

1K721—ORANGE, black.
1K720—NAVY, red.
1K722—WHITE, red. Doz **$10.80**

BOYS AND MISSES'—Sizes 28 to 34, state sizes.

1K723—WHITE, red.
1K724—NAVY, jockey.
1K726—ORANGE, black. Doz **$7.95**

V-Neck Allover Jacquard Weave—Blue, buff & white combination, 2 pockets, ribbed cuffs. ½ doz in pkg.

1K725—Men's and women's. Sizes 36 to 46—state sizes. Doz **$12.00**

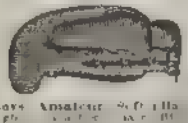
V-Neck Club Style—Heavy all wool fast color jersey knit, ribbed cuffs, heavy ribbed wool knit collar, wrists and bottom of coat. Men's sizes. Sizes 36 to 46 state sizes. ½ doz. in box.

1K713—WHITE
1K714—WHITE, jockey red.
1K715—BUCK, brown. Doz **$12.60**

"Country Club" Sweat Coat—Extra heavy fleece lined windbreaker, button cuffs, 7 button front, button patch pockets, fancy Club collar. Sizes 34 to 46—state sizes. 1 doz. Per doz.

1K1151—NAVY
1K1150—WHITE | **$1.35**

"PENNANT" BOXING GLOVES



Boys' Amateur—Soft pliable [illegible] Per pair

1K [illegible] **$1.50**
1K [illegible] **2.50**
1K [illegible] **2.65**

1K5237—Men's "Trainers Rex"—[illegible] Per pair **$3.35**

1K [illegible] **$6.50**

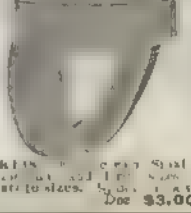
Striking Bag Platform

1K5200—Double braced hardwood frame, enameled steel rods, 21½ in. diam., rounded edge, ball bearing swivel. Fast, rigid pr[illegible] less [illegible] 2 ply carton. 11 lbs. Each **$4.25**

PENNANT "AMATEUR" STRIKING BAG

1K5239—A real [illegible] bag used, very pure gum rubber [illegible] In box [illegible] Each **$2.85**

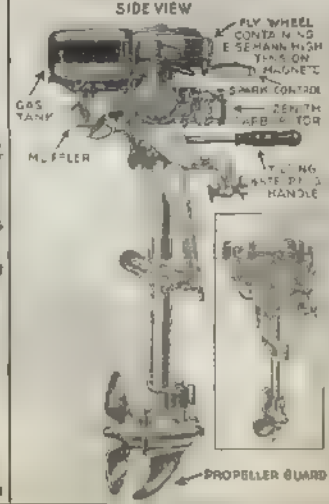
ATHLETIC SUPPORTER



1K [illegible] Sport [illegible] sizes. Doz **$3.00**

"Pennant" Outboard Twin Motor

Made by Caille Perfection Motor Co—Interchangeable Standard Parts



Improved model, simplified [illegible] operation, easy steering [illegible] Weight [illegible]

Motor—2 directly opposed cylinders, 2 cycle, both fire at same time eliminating vibration. Big motor quiets motor.

Speed [illegible]—Bore [illegible] stroke 2 in. R P M 300 to 2,000, 2½ [illegible]

Construction—[illegible] crankshafts, [illegible] or bronze pistons, [illegible] dual cast drivers, 2 ft. 6 in. row [illegible]

Carburetor—[illegible] throttled [illegible]

Ignition—[illegible] Water proof [illegible] ing bolt spot [illegible]

Control—[illegible] Lever varies speed forward or backward [illegible] fast. Reverse lock holds [illegible] and for start [illegible] and reverse [illegible] and easily reversed by pressing [illegible] and pulling [illegible] spark work [illegible] motor [illegible] by permitting [illegible]

Mounting—[illegible] its [illegible] [illegible] cuts [illegible] your damage [illegible] roller can be raised out of [illegible] ing boat.

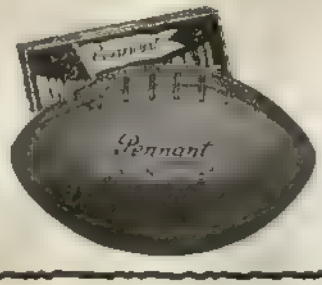
Cooling System—Cylinders, water [illegible] plate [illegible] pump forces water [illegible] plate [illegible]

Fuel—Portable [illegible] [illegible] plated [illegible]

1K11—Pennant outboard motor. Each in case, shipping wt. 100 lbs. Each **$100.00**

FOOTBALL GOODS

Goods of Reliable Quality Which You Can Sell With Assurance



"Pennant" DOLLAR WONDER

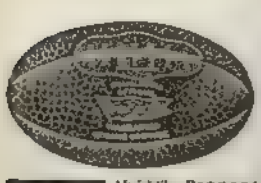
Individually Boxed **Heavy Cowhide**
Guaranteed American Bladder

1K5050—Full size, heavy pebbled cowhide, reinforced valve patch, heavy stitching, braided lace. The best dollar wonder football value we have ever offered! ½ doz. in box

DOZ ***7.45**

1K5219 Pennant "Dreadnaught" Special ... Pair **$1.00**

1K5315 Red Grange "Scholastic" ... with photo. Each **$1.30**



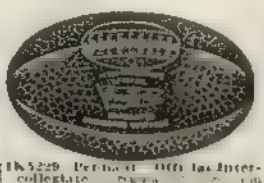
STAR VALUE

1K5223 Pennant "Scholastic Official." ... canvas lined, waxed laces, ... American gum bladder. 1 in box **$2.10**

1K5316 Red Grange "Regulation." ... canvas lined, waxed linen stitching, American gum bladder. 1 in Red Grange box with photo. Pair **$2.25**

1K5317 Red Grange "Varsity" ... 4 piece bladder with Schrader valve, ball is permanently laced, inflated through valve. 1 in Red Grange box with photo. Each **$3.25**

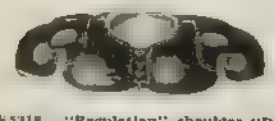
1K5222 Pennant "College Regulation" ... bladder with Schrader valve, ball is permanently laced, inflated through valve. 1 in box. Each **$3.35**



1K5229 Pennant "Official Intercollegiate" ... with 4 piece bladder with Schrader valve, ball is permanently laced, inflated through valve. 1 in box. Each **$5.25**

"RED GRANGE" FOOTBALL ACCESSORIES

Each labeled with "Red Grange" trademark and packed in distinctive "Red Grange" package.



1K5319 "Regulation" shoulder pad ... 1 in box. Each **$2.75**

"Regulation" helmet, molded composition ... 1 in box

1K5318—BLACK
1K5358—TAN
Each **$2.75**

1K5320 Pants, heavy khaki ... Pair **$3.26**

1K5277—Pennant "Regulation" ... 1 pair in box **$4.50**

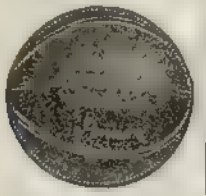
FOOTBALL SHOES

1K5278 Pennant "Interscholastic" ... 1 pair in box Pair **$6.25**

BASKET BALL GOODS

"PENNANT" OUTSEAM AND WELTED BASKET BALLS

For ... sizes and ... these 1 piece ... construction ... shoes



1K5251 Scholastic Official outseam ... Pair **$3.35**

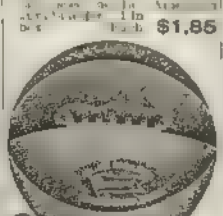
"PENNANT" BASKET BALLS

High grade basket balls ... covers sewed with waxed linen thread

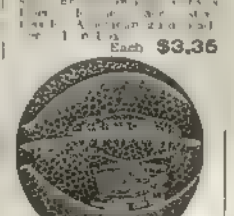
1K5215—Leader ... regulation size, pebble grain cowhide, fabric lined, leather ... 1 in box. Each **$1.85**

1K5231—"Scholastic Official" ... Each **$3.35**

1K5243 "Official Intercollegiate" welted ... 1 piece bladder with Shrader valve, ball is permanently laced, inflated through valve. 1 in box. Each **$6.25**



1K5247 "College Regulation" ... lined 4 piece bladder with Shrader valve, ball is permanently laced, inflated through valve. 1 in box. Each **$4.75**



1K5249 "Official Intercollegiate," ... and weight. Gunnison's 6 oz. heavy grain cowhide, ... bladder with Shrader valve ball is permanently laced inflated through valve. 1 in Box. Each **$7.75**

PADDED BASKET BALL PANTS

1K5295—Heavy khaki drill, sanitary quilted pads, buttoned fly belt & buckle waist, tailored hips. Sizes ... Doz. **$6.00**

DR. MEANWELL'S BASKET BALL SHOES

Heavy double ... grain duck, pure gum ... rib-posts ... 1 pair in carton

1K9788—Men's, TAN, sizes 6½ to 10 ... Pair **$1.85**
1K9791 Boys', TAN ... **$1.65**
1K9792 Youths' TAN ... **$1.45**
1K9793—Women's WHITE ... **$1.65**

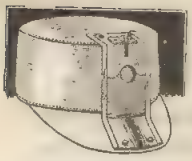
"RALPH JONES" BLUCHER BASKET BALL SHOES

14 oz. white army duck ... last, bottoms ... double fixing and toe cap. Sturdy all-sport shoe. 1 pair in carton. Pair

1K9755—Men's, sizes 6½ to 10... **$2.35**
1K9756—Boys' sizes ... **2.20**

WAIT!
Our Complete Line of Fall 1927 SPORTING GOODS will appear next month

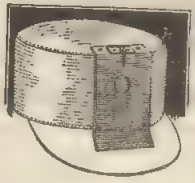
MINERS' CAPS



Made of Special Waterproof Shrunken Duck. Lined Throughout with Flannel. The Visor is Made of Heavy Material Covered with Waterproof Duck and Will Not be Affected by Water or Dampness. The 'Barta" Patented Lamp Support is Constructed of 2X Tin Interlined with Vulcanized Fibre, Making it Very Strong, and Arranged in Such a Manner as to Carry Any Carbide Lamp Correctly, and When the Lamp is Once Inserted it Stays in Place

Per Doz.

✣No. 27 . . . . $

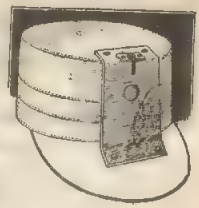


Made of Special Waterproof Shrunken Duck. Lined Throughout with Flannel The Visor is of Heavy Sole Leather 2¾" in Width.

The "Barta" Patented Lamp Support is Made of Heavy Sole Leather With the Patented Holder to Hold any Carbide Lamp Secure and Permanent

Per Doz.

✣No. 37 . . . . . $



Made of Extra Heavy Special Waterproof Shrunken Duck Lined Throughout with Flannel The Visor is of Heavy Sole Leather, 2¾ in Width

The "Barta" Patented Lamp Support is Also Made of Heavy Sole Leather, with the 'Barta' Patented Top Piece for Carrying Any Carbide Lamp Exactly Right

Per Doz.

✣No. 40 . . . . . $

✣For shipment from factory only.

Unless otherwise specified, caps are packed one dozen in a carton, assorted as follows: 1—6¼, 2—6⅞, 3—7, 3—7⅛, 2—7¼, 1—7⅜.

TWISTERS

TOWER'S PERFECT

No. 5

Nickel Plated

Per Dozen

No. 5—Half dozen in a box . . . . $

Weight each 3 ounces

NIPPERS

PHILLIP'S PATENT

Nickel Plated

Per Dozen

No. 10—Half dozen in a box . . . . $

Weight each 4½ ounces

HAND CUFFS

BEAN'S IMPROVED

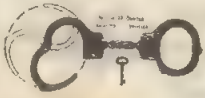
Double Swivel Jaws. Set Locks, which cannot be locked by rapping. Fit close to wrists and are always under control

Per Pair

No. 30—Polished. Weight, per pair, 12 ounces . . . . $

No. 31—Nickel Plated. Weight, per pair, 12 ounces . . . . . $

THE PEERLESS



Positively Cannot Become Locked in the Pocket by Jar. Drawn Steel Self Locking when Placed on Person's Wrist. Furnished in Either Highly Polished Nickeled or Blued Steel.

No 22 Weight 12 Ounces . . . .

Per Pair

TINKER TOYS

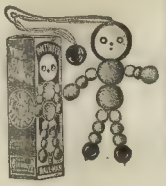
BELLE TINKER

Bell shaped hardwood, brightly colored with harmless dyes and then water-proofed so that the colors will not wear off; strung with stout cord.

Per Doz

No. 215—Height 7¼ ins..... **13 20**
$6 00

One in cardboard box; wt per doz 4½ lbs.



TOM TINKER

Hardwood balls. Brightly colored with harmless dyes and then water-proofed so that the colors cannot come off; strung with stout cord.

Per Doz

No. 50—Height 7¼ ins..... **15 75**
$7 20

One in cardboard box; wt per doz 4½ lbs.

CLOWN TINKER

Hardwood, attractively colored red, blue, green, yellow and black. So constructed that it rights itself at the slightest pull of the cord.

Per Doz

No. 240—Height 5½ ins..... **15 75**
One in cardboard box; wt per doz 6 lbs. *$7 20*

FOLLO-ME—TINKER

Hardwood and steel, attractively colored red, blue and yellow. So constructed that it will always be upright making a perfect pull toy.

Per Doz

No. 220—Length 12 ins..... **15 75**
$7 20

One in cardboard box; wt per doz 14½ lbs.

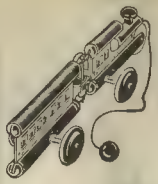
DRAG-ON TINKER

Hardwood balls, enameled in prime colors of beautiful and durable finish. So designed that the axles pivot on center and may be thrown around in the roughest manner and will invariably right itself. The movements of a crawling animal are reproduced by the use of a rubber backbone and can be easily replaced at any time. Complete with cord and hand ball for drawing.

Per Doz

No. 210—Length 12 ins..... **22 50**
One in cardboard box; wt per doz 6¾ lbs. *$10 20*

TINKER TOYS



CHOO-CHOO TINKER

Hardwood and steel attractively colored black, yellow and red. Engine and coach so constructed as to take abrupt turns at high speed and still remain upright.

Per Doz

No. 225—Length 14 ins **27 00**
$12 00

One in cardboard box; wt per doz 14½ lbs.

7 In 1 TINKER

Hardwood and steel, bright red wheels, natural finished blocks. Designed to make seven different model toys by interchanging the wood blocks on a metal chassis, locking permanently together by one snap hook.

Per Doz

No. 250—Length 10 ins..... **27 00** *$12 00*

One in cardboard box; wt per doz 19½ lbs.

PONY TINKER

Hardwood and steel, attractively colored red, blue, yellow and black. Designed so that rider posts up and down when horse is pulled along by halter.

Per Doz

No. 230—Length 8 ins; height 6½ ins; width 3½ ins..... **27 00**
One in cardboard box; wt per doz 17¼ lbs. *$12 00*

WHIRLY TINKER

Steel and hardwood without mechanism of any kind to get out of order. By pulling the toy by its string sets the two little men spinning and dancing like whirling dervishes.

Per Doz

No. 125—Height 7½ ins; width 5½ ins..... **33 00**
$15 00

One in cardboard box; wt per doz 15 lbs.

TINKER PINS

Metal frame, lithographed in red, green and yellow colors, hardwood governor balls and pins, brightly colored

Outfit consists of a double track, two pins and a gyroscopic spinner that comes to a quick stop at the desired point when properly manipulated. Scoring counted similar to bowling. Directions printed on box.

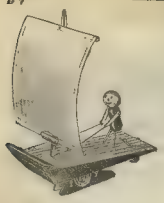
Per Doz

No. 260—Length 24 ins..... **39 00** *$18 00*

One in cardboard box; wt per doz 13¼ lbs.

TINKER TOYS

SURF BOAT TINKER



White pine and rust-proof steel construction enameled in attractive colors. Well balanced and rides the waves without capsizing. Sail and rudder can be set at desired angles.

Per Doz

No. 140—Length 11 ins; height 11 ins 39 00
$13 00

One in cardboard box; wt per doz 13¼ lbs.

LANKY TINKER

Hardwood head, body, hands and feet enameled in attractive colors; strong leather belting arms and legs.

Per Doz

No. 155—Length 12 ins 12 75
One in cardboard box; $6 00
wt per doz 8½ lbs

TEN PIN TINKER

Consists of 10 hardwood ten pins and 3 balls enameled in attractive colors. Per Doz

No. 150—Size pins 1x4¼ ins; diam balls 1¾ ins . . 25 50
$12 00

One set in cardboard box; wt per doz 10¼ lbs.

ROWLY BOAT TINKER

Hardwood and rust proof steel construction enameled in attractive colors. The body, arms, legs and oars move in perfect action when pulled by string.

Per Doz

No. 145—Length 11 ins; width 2¾ ins; height 3¼ ins 25 50
$12 00

One in cardboard box; wt. per doz 7 lbs.

SIREN TINKER

Consists of hardwood balls enameled in bright attractive colors, loosely strung on cord enabling them to slide from end to end.

Per Doz

No. 160—Length 8¼ ins 12 75
One in cardboard box; $6 00
wt per doz 3 lbs

PERFORMING TOYS

KICKING DONKEY

Hardwood, attractively enameled in black, orange and red. The kicking donkey moves in perfect action when pulled by string.

Per Doz

No. 201—Height 6 ins; length 9 ins $25 50
One in cardboard box; wt per doz 18 lbs.

FLOOR CHIMES

16 inch stained wood handle. Nickel plated steel wheels and bell. Produces a sleigh bell jingle when rolled. Per Doz

No. 817—Diam wheels 3 ins $6 30
One doz in cardboard box; wt per doz 5½ lbs.

Per Doz

No. 835—Diam wheels 5 ins $12 75
Packed loose; wt per doz 8½ lbs.

TOY PIANOS

SCHOENHUT

Hardwood, rosewood finish; imitation ivory keys.

Nos.	M115	M116	M118	M120	M122
No. keys	5	6	8	10	12
Length, ins	6¼	7½	9¼	11⅜	13⅛
Height, ins	5¾	6¼	7	8	8¾
Width, ins	5½	5	5	6½	7¼
Wt each, lbs	1⅝	1⅞	2⅛	2¾	3¼
Per Doz	$13 50	19 50	25 50	36 00	57 00

One-twelfth in cardboard box; book of instructions furnished with Nos. 118, 120 and 122.

SCHOENHUT

Hardwood, imitation rosewood finish; imitation ivory keys; complete with instruction book.

Nos.	M128	M130
No. keys	8	10
Length, ins	9	11
Height, ins	6½	7½
Width, ins	8½	10⅝
Wt each, lbs	1¾	2½
Per Doz	$25 50	42 00

One-twelfth doz in cardboard box.

SCHOENHUT

Hardwood, rosewood finish; imitation ivory keys.

Nos.	M132	M134	M136	M138
No. keys	12	14	16	18
Length, ins	9	10	11	28¼
Height, ins	12¾	15⅜	17½	14½
Width, ins	13¾	14½	15½	20
Wt each, lbs	4½	5¾	6½	7
Per Doz	$57 00	72 00	84 00	144 00

One-twelfth doz in cardboard box.

Get the Monarch Building Hardware Proposition

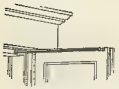
and get your share of Building Hardware profits. Here is a proposition that takes the guess work out of bidding on a job. Your profit is assured because your price is assured. Your future is assured because quality is sure.

Monarch offers the wide awake building hardware merchant a line made and guaranteed by a firm with more than 20 years experience building casement hardware. These are products of such unique simplicity in design that they can be offered to contractors with the full realization that labor cost will be lowered because more units per hour can be installed.

MONARCH *Control Lock*

for outswinging casement windows can be used on top or under the stool. Positive direct action in opening, closing or locking window in any position desired. Noiseless—*No gears, keys or ratchets.* Solid brass or steel heavily plated

MONARCH *Automatic Stay*



for in or outswinging casement windows, transoms, or pivotal windows where locking feature is not needed. Not necessary to take apart to make adjustments or install. Friction increased or decreased by slight turn of outer tube. Furnished in any finish desired.

MONARCH CASEMENT CHECK

for doors, casement windows, transoms or any hinged opening. Friction adjusts by turning screw in pivot plate. Friction is lasting. Made in steel and solid brass.

Monarch Casement Hardware comes to you fully assembled, packed in individual containers ready for installation. Made of the finest materials together with quality of manufacture and workmanship, they carry a guarantee that removes the question of service from your mind. Find out NOW what this proposition means to you—A request will bring you full details

MONARCH METAL PRODUCTS CO.
4962 Penrose St. St. Louis, Mo.

Makers of the famous Monarch Interlocking *Weatherstrip*

No. 48 Improved Adjustable "S" Nut Wrench

Builds Confidence

B & C No. 48 has jaws of sufficient width to take hold of a nut and not let go until you're ready.

When there is such a tool as B & C No. 48 on the market there is a sure way of getting in solid with your customers when it comes to wrenches.

The impression which this quality tool makes will go a long way toward establishing your store as "tool headquarters."

Send the coupon for a copy of our new catalog

Bemis & Call Co.

WRENCHES

Springfield, Mass.

BEMIS & CALL CO.
Springfield, Mass.

Please send me your catalog and name of your nearest jobber

Name . . . . . .

Street . . . . . .

City . . . . . State . . . . . .

DAISY AIR RIFLES

MODEL 12, SINGLE SHOT

Lever action, single piece steel barrel, blued finish, walnut finished stock, shoots BB air rifle shot and 17-100 darts, length 31¾ in., w't per doz. 29 lbs.

No. C5005—Per dozen.....$26.65

ONE DOZEN IN A CASE

MODEL 11, 350 SHOT AUTOMATIC REPEATER

Lever action, 350 shot, shoots BB shot, single piece steel barrel, nickel finish, all parts interchangeable, length 31¾ in., w't per doz. 29 lbs.

No. C5007—Per dozen.....$35.55

ONE DOZEN IN A CASE

MODEL 30, 500 SHOT AUTOMATIC REPEATER

Lever action, 500 shots, shoots BB shot, working parts of steel and brass, blued finish, black walnut stock, loaded automatically, length 33 in., w't per doz. 40 lbs.

No. C5018—Per dozen.....$44.45

HALF DOZEN IN A CASE

MODEL 3, 1000 SHOT AUTOMATIC REPEATER

Magazine Repeater, lever action, magazine holds 1,000 air rifle shot and loads by operating the lever. Turned stock of genuine black walnut, highly polished. Metal parts nickel finish. Shoots with great force and accuracy. This rifle will please all boys. Length 36 in. W't per dozen 42 lbs.

No. C5012—Per dozen.....$53.30

HALF DOZEN IN A CASE

MODEL 40, MILITARY REPEATER

Lever action, 50 shot, shoots BB air rifle shot, all metal parts finished in gun blue, beautifully walnut finished stock, rear sight open and adjustable, front sight knife type, sling strap and swivel, 45 in. over all, including rubber tipped detachable bayonet, w't per doz. 76 lbs.

No. C5040—Per dozen..... $88.90

HALF DOZEN IN A CASE

DAISY AIR RIFLES

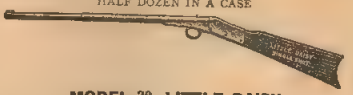
MODEL 25, PUMP ACTION REPEATER

50 shot, shoots BB air rifle shot, metal parts non-rusting gun blue, genuine black walnut stock, hand polished, adjustable sights, length 38 in., w't per dozen 58 lbs.

This new pump action repeater operates by pulling the slide toward the stock, the loading action is automatic, fires rapidly from the shoulder, the magazine having a forced feed, is a strong and accurate shooter.

No. C5020—Per dozen.....$93.30

HALF DOZEN IN A CASE



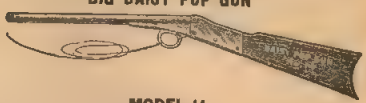
MODEL 20, LITTLE DAISY

Blued finish steel barrel and frame, walnut finished stock, good sight, perfect action, shoots BB shot, length 29 in., w't per doz. 16½ lbs.

No. C5004—Per dozen.....$17.75

ONE DOZEN IN A CASE

BIG DAISY POP GUN



MODEL 14

Blued finish steel barrel and frame, finished walnut stock, shoots a cork or rubber ball which is attached to a string and makes a loud report, length 21 in., w't per dozen 13 lbs.

No. C5003—Per dozen.....$9.35

SIX DOZEN IN A CASE

DAISY POP GUN

MODEL 7

Break-down model, all metal parts finished in gun blue. Shoots a cork attached to a string. A good, strong noise maker. Length 17 in., w't per doz. 5¼ lbs.

No. C5001—Per dozen.....$6.65

TWELVE DOZEN IN CASE

EXTRA SHOOTING BARRELS

No. C25P—For Model 25 Daisy Pump Air Rifles, each.....$1.35

No. C41—For Model 40 Military Daisy Air Rifles, each.....$1 35

No. C132—For No. 12 Model 12H Daisy Single Shot Air Rifles.....each $0 45

No. C432—For No. 12 Model 24 Daisy Single Shot Air Rifles.....each $0.45

No. C132R—For No. 11, Model H, 350 or 500 Shot Daisy Air Rifles.....each $0 45

No. C136—For No. 11 Model 24, 350 Shot Daisy Air Rifles.....each $0.45

HALF DOZEN IN A CASE

BENJAMIN PUMP AIR RIFLE

TAKE-DOWN, SINGLE SHOT

Nickel plated barrels, walnut stock, single shot take-down, larger barrel is the pump and air chamber, smaller one is the shooting barrel, length 36 in., w't per dozen 33 lbs.

No. C5025—Per dozen.....$88.90

Pneumatic, operated entirely by air; not a spring gun.

ONE DOZEN IN A CASE

LIQUID PISTOLS

Designed after the latest automatic pistol and would readily be taken for one.

Will throw a fine stream of water a distance of 25 feet. When filled with ammonia diluted with water it makes a very effective weapon against vicious dogs.

No. C8—Daisy, length 5¾ in., steel, blued finish, simple to load and discharge, no rubber bulb to get out of order, w't per doz. 4 lbs.....per dozen $4.45

ONE IN A CARTON

QUACKENBUSH

TAKE-DOWN, SINGLE SHOT

No. C7—Shoots strong and accurately, 17-100 felted slugs, BB air rifle shot or 17-100 darts, 17 in, round barrel, blued finish, metal parts all steel except inner barrel which is made of brass, American walnut finished stock, nicely varnished, action and trigger gray blue finish, six steel darts and three paper targets packed with each rifle, length over all 38 in., w't each 2¾ lbs., per dozen $136.00

ONE IN A BOX

By simply pushing in the barrel the gun is cocked and the breech opened for handy loading. An excellent arm for small game, also well adapted for target shooting.

ONE IN A BOX

No. C17-100 Felted slugs for No. C7 Quackenbush and other makes of single shot air rifles....per 1000 $2.55

Felted slug prevents leakage of air, more desirable than BB air rifle shot for accurate shooting.

ONE HUNDRED IN A BOX

AIR RIFLE DARTS

No. C47—Sharp, steel points, with assorted colors, red, yellow and blue flight guides, fits No. C7 Quackenbush and other makes of single shot air rifles, w't per gross ¾ lb.....per gross $4.45

ONE DOZEN IN AN ENVELOPE

LEAD AIR RIFLE SHOT

TATHAM BOY SCOUT

Lead, fits all Air Rifles, put up in new style strong waterproof black tube with brass cap shot release, 4 oz. shot in each tube or about 225 pellets. W't per doz. tubes 2¼ lbs., w't per case 30 lbs.

No. C15—In tubes.
No. C16—In case lots of 100 tubes.

PETERS

Handy package designed for pocket use; by turning cap on tube shot may be removed as wanted. Carefully made to fit Air Rifles, put up in strong waterproof paper tubes, 4 oz. of shot in each tube, about 225 pellets. W't per dozen tubes 2¼ lbs. per case 30 lbs.

No. C19—In tubes,
No. C20—In case lots of 100 tubes.

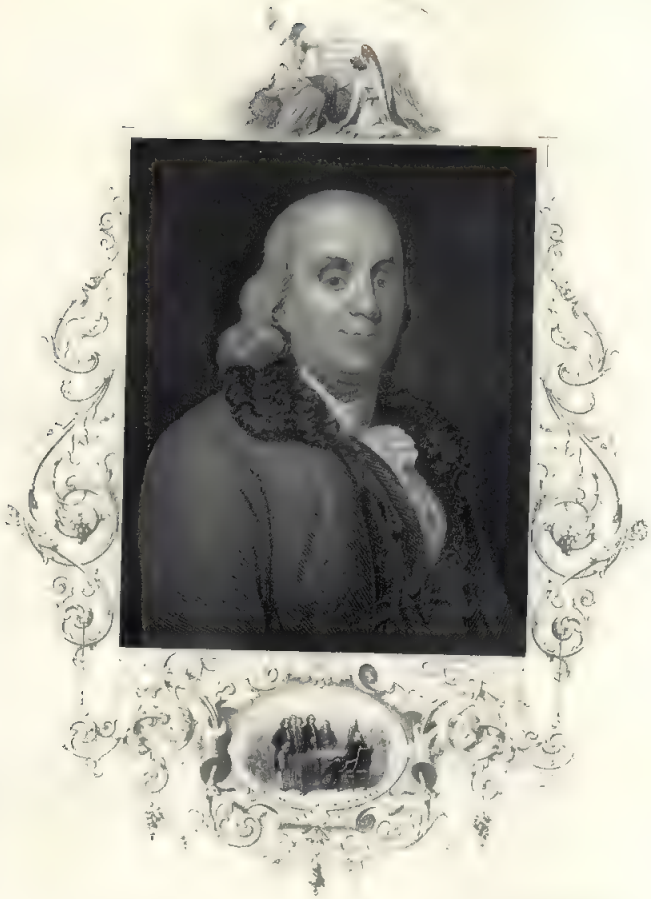
STEEL AIR RIFLE SHOT

BULL'S EYE

Put up in strong, paper tubes. More accurate, carries farther, penetrates deeper and is more uniform in size than other air rifle shot.

Standard Size Package, About 225 Pellets In Each Tube	The Nickel Package—Retails at 5 Cents—182 Pellets In Each Tube
No. C13—In tubes, w't per doz. tubes 2 lbs.	**No. C17**—In tubes, w't per doz. tubes 2 lbs.
No. C14—In case lots of 100 tubes, w't per case 20 lbs.	**No. C18**—In case lots of 100 tubes, w't per case 16 lbs.
No. C143—In 3 case lots, 100 tubes in each case, w't per case 20 lbs.	**No. C183**—In 3 case lots, 100 tubes in each case, w't per case 16 lbs.

See Page 1920 for Prices



Courtesy of The Whitney-Graham Co. *150 Screen Highlight Halftone*

A DIRECT MAIL ADVERTISING ILLUSTRATION

Reproduced from a Steel Engraving. Border highlight effect obtained by Highlight negative, staging and etching

Engraved by THE UNIVERSAL ENGRAVING & COLORPLATE COMPANY, CLEVELAND

And still another generation rises up to call him blessed

Dimension by Edward Edwards — *From the painting by Joseph Siffrein Duplessis in the Metropolitan Museum*

Let other industries contribute to the world's welfare a leader equal to rare

BENJAMIN FRANKLIN, PRINTER

This Eight-page Signature Arranged and Printed by

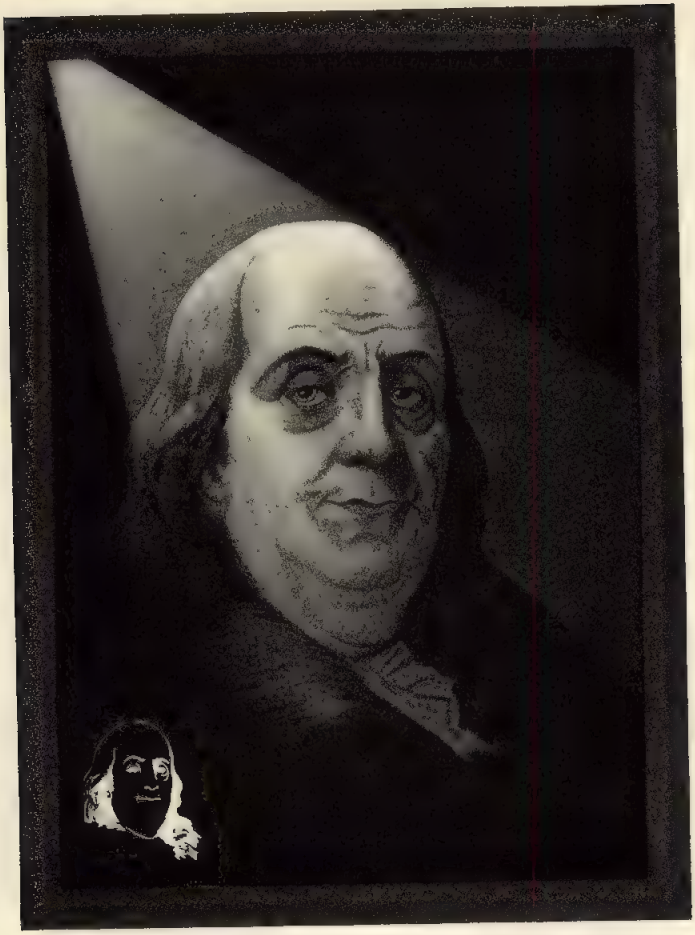
NORMAN T. A. MUNDER & CO., INC.

BALTIMORE

COPPER LINE AND HALFTONE (133) BY WALKER ENGRAVING CO

Collins Laidstone Book—Collins Oak Leaf Overlay

A Franklin Portrait should adorn every print shop



A Photo-Engravers Creation *A Grain Box Etching on Copper*

THE PATRON SAINT OF PRINTING * R *

Miniature insert is exact replica of Skeleton Base from which the Portrait was produced

Engraved by FRANKLIN PHOTO-ENGRAVING HOUSE, PHILADELPHIA

Photo Copyright by Asahel Curtis *Re-engraved Meisograph Screen Halftone*

AN OCEAN BAY ON THE PACIFIC COAST *R*

Engraved by SEATTLE ENGRAVING COMPANY, SEATTLE, WASH.

TOY TRANSFORMERS

THORDARSON "DANDYTOY"
"Also Dept. 7, Page 1896."
For Alternating Current 110 Volts, 60 Cycles.

Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

While primarily intended for operating electric toys of all kinds from the house lighting circuit, it can also be used to excellent advantage for many other purposes, such as operating annunciators, burglar alarms, induction coils, etc.

The range of voltage is from 2½ to 27½ volts in steps of 2½ volts each.

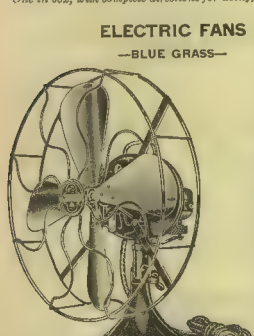
The rheostat which controls the various voltages is conveniently mounted in front of the apparatus.

Length 3⅛ ins; width 3 ins; 2⅛ ins high. Complete with 7 ft of flexible cord and attachment plug.

	Each
No. D-T—Capacity 75 watts	6 90
One in box, with complete directions for using; wt each 4 lbs.	*$3 50*

ELECTRIC FANS

—BLUE GRASS—



Two Bearings, Induction Type Motor. Solid Brass Standard Blades, Pitch and Shape. Polished Lacquered Finish.

Black enameled welded steel guards; cast iron base, end brackets and motor body, polished black enameled finish. Three speeds, off, slow, medium and high. Grease cup lubrication. Cast iron oscillator case with end brackets and hinged joint; non-oscillating fan can be tilted 15 degrees forward, 90 degrees backward; oscillating fan can be tilted about 20 degrees forward or backward in desk position or 20 degrees forward in bracket position with set screw to prevent slipping beyond this angle. Arc of oscillation 90 degrees as shipped, easily changed to any desired number of degrees less than 90. Complete with 10 feet of cord and separable attachment plug.

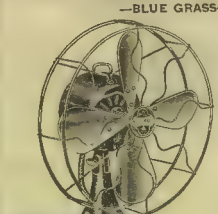
100 to 125 Volts, 60 Cycles, Operated On Alternating Current.

	Oscillating		Rigid
Nos.	0-12-110AC	0-16-110AC	R-12-110AC
Diam ins	12	16	12
Speeds	3	3	1
Watts, High Speed	95	55	50
R. P. M. High Speed	1450	1500	1500
Wt each, lbs	42	46	40
1 to 4, Each	63 00	73 50	49 35
5 or more, Each	58 50	68 25	45 84
50 or more, Each	55 80	65 10	43 71
List Price, Each	*$30 00*	*35 00*	*23 50*

One in wood box.

ELECTRIC FANS

—BLUE GRASS—



One Bearing, Induction Type Motor. Blades Solid Brass, Standard Pitch and Shape. Polished and Lacquered Finish.

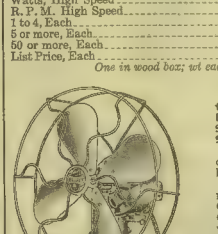
Black enameled welded steel guards; cast iron base, bracket and motor body, polished black enameled finish. One speed. Lubrication by means of cup into which a drop of machine oil should be placed occasionally. Attached to bearing is shaft on which hollow shaft or rotor revolves. Fan is attached to hollow rotor shaft. Non-oscillating fan can be tilted 15 degrees forward and 90 degrees backward. Complete with 10 feet of cord and separable attachment plug.

NON-OSCILLATING

100 to 125 Volts, 60 Cycles, Operated on Alternating Current.

No.	R-10-110AC
Diam, ins	10
Watts, High Speed	45
R. P. M. High Speed	1600
1 to 4, Each	25 20
5 or more, Each	23 40
50 or more, Each	22 32
List Price, Each	*$12 00*

One in wood box; wt each 22 lbs.



—BLUE GRASS—
Two Bearing, Induction Type Motor. Blades Solid Brass, Standard Pitch and Shape.

Welded steel guards; drawn steel base, end brackets and motor body.

Three speeds, off slow, medium and high. Grease cup lubrication. Cast iron oscillator case with end brackets and hinged joint. Can be tilted about 20 degrees forward or backward in desk position or 20 degrees forward in bracket position with set screw to prevent slipping beyond this angle. Arc of oscillation 90 degrees as shipped, easily changed to any desired number of degrees less than 90. Complete with 10 feet of cord and separable attachment plug.

OSCILLATING

100 to 125 Volts, 60 Cycles, Operates on Alternating Current.

	Ivory Enameled Finish	Black Enameled Finish
Nos.	0-10-110AC	0-10-110AC
Diam, ins	10	10
Watts High speed	30	30
R. P. M.	1500	1500
1 to 4, Each	38 85	34 65
5 or more, Each	36 09	32 19
50 or more, Each	34 41	30 69
List Price, Each	*$18 50*	*16 50*

One in carton; wt each 8¾ lbs.

ELECTRIC CHRISTMAS TREE LIGHTING OUTFITS

"Also Dept. 7 Page 1920."

Series Type.
For use on 105-125 volts regular lighting circuit. Equipped with 8 feet leader cord, green composition sockets; attachment plug; mercerized cotton covered parallel cord.

Equipped with Pine Cone Metalized Filament Lamps. Each
No. 16LTS—16 light outfit, assorted colors $6 60

Equipped with Pear Shaped Carbon Lamps. Each
No. 8LSC—8 light outfit, assorted colors $3 30
One outfit in holly-covered box.

"Also Dept. 7 Page 1921".
BESO—Multiple Type, Fancy, Carbon.
For use on 105-125 volt alternating current. Equipped with 8 feet leader cord; green composition sockets; attachment plug and junction box. 16 light outfit complete with 16 picturesque bulbs.

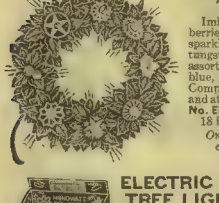
For Alternating Current Only.

No.	16FMC
1 to 4, Each	21 90
5 to 24, Each	20 46
25 or more, Each	18 99

One outfit in cardboard box; wt each 6 lbs. $9 75

ELECTRIC CHRISTMAS HOLLY WREATHS

"Also Dept. 7 Page 1921."



Imitation holly leaves and berries, decorated with sparkling reflectors and 8 tungsten series electric lights, assorted bulbs, red, white, blue, green and yellow. Complete with 6 feet of cord and attachment plug. Each
No. EHW—Diam wreath 18 ins $10 50
One in holly covered cardboard box; wt each 2½ lbs.

ELECTRIC CHRISTMAS TREE LIGHT REFLECTORS

"Also Dept. 7, Page 1921."

Heavy cardboard coated with sparkling tinsel. For use with Christmas tree lighting outfits. Furnished in 8 snow drop designs.

Per Carton of 8
No. 2—Diam 3 ins $1 35
8 reflectors in carton, 9 boxes in cardboard counter display stand; wt each 2 ozs.

EXTRA LAMPS

"Also Dept. 7, Page 1921."
For Christmas Tree Lighting Outfits.
TUNGSTEN, Round.

No. SC

No. RB

No. CL

No. BB
Decorated in Per 100

For use 8 in series 105 to 125 volt circuits. attractive colors.

No. SC	Santa Claus	$41 70
No. RB	Rose Bud	
No. BB	Blue Bird	
No. CB	Canary Bird	

Ten in cardboard box.

Large Santa Claus for top of tree, highly decorated
For use in series 105 to 125 volt outfits. Per 100
No. LSC—Height over all 6 ins $204 00
One in cardboard box; wt per 100, 5 lbs.

FOR CHRISTMAS TREE LIGHTING OUTFITS TUNGSTEN

"Also Dept. 7 Page 1921."

Nos.	Pine Cone. PCBT	Pine Cone. PCCT
Color	Blue	Clear
Per 100	$21 00	

CARBON, For Outfit No. 8LSC.

Nos.	Cone Shape. CC	CW	CR	CG	CB	Pine Cone. PCBC
Color	Clear	White	Red	Green	Blue	Blue
1 to 24, Per 100	$16 35					
25 to 99, Per 100	14 85					
100 to more, Per 100	13 50					
Per 100						$17 25

25 in cardboard box; wt each 1½ lbs.

Note—Both carbon and tungsten lamps will operate on Christmas Tree Lighting outfits shown herein providing either all carbon lamps or all tungsten lamps are used. Carbon or tungsten lamps positively will not operate when used together on the same series.

TOY TRANSFORMERS

"Also Dept. 7, Page 1896."
THORDARSON Standard Type.
For Alternating Current 100 to 125 Volts; 60 Cycles.

Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

Operates all classes of electrical toys, will operate Ruhmkorff and other types of induction coils.

The range of voltage is from 2 to 28 volts in steps of 2 volts each. The constant voltages are 4, 6, 8, 10, 14 and 18 and any of these several voltages can be used simultaneously.

The rheostat which controls the various voltages is mounted in front of the apparatus.

Nos.	1D	2D	3D
Voltage	2-28	2-28	2-28
Watts	100	150	200
Length, ins	5¾	6	6½
Width, ins	6	5	4½
Height, ins	4¾	4¾	5½
Wt lbs	8½	11	10½
Each	11 40	14 85	18 45
One in box.	*$6 00*	*7 50*	*8 00*

WRENCHES

BRIDGE BUILDERS

Nos.	Lgth. Handle, Inches	Size of Opening, Inches — Square	Size of Opening, Inches — Hexagon	Approx. Wt. Doz. Lbs	With 1 Gear, Each	Extra Gear, Each
1	3	1, 1⅛, 1¼, 1⅜, 1½, 1⅝, 1¾, 1⅞, 2	1⅛, 1¼, 1⅜, 1½, 1⅝	11	$11 00	$2 00
2	3	1¼, 1⅜, 1½, 1⅝, 1¾, 1⅞, 2, 2⅛, 2¼, 2⅜	1⅜, 1½, 1⅝, 1¾, 1⅞, 2, 2⅛, 2¼, 2⅜	14	16 00	4.00
3	3	2, 2¼, 2⅜, 2½	2⅛, 2¼, 2⅜, 2½, 2⅝, 2¾, 2⅞, 3, 3⅛	23	24 00	6 00
4	3½	2½, 2¾, 3, 3¼	3⅛, 3⅜	32	*	*
5	3½	3¼, 3½, 3¾	4⅛, 4⅜	40	*	*

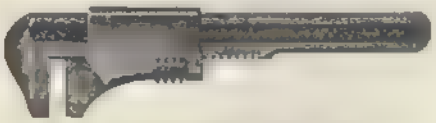
*These sizes made to order. Prices on application

LOWELL RATCHET

This wrench can be changed to a right or left hand motion at pleasure by rotating the knurled nut at the end of the handle.

Nos.	Lgth. Handle, Inches	Size of Opening, Inches — Square	Size of Opening, Inches — Hexagon	With 1 Gear, Each	Extra Gear, Each
0	7	¼, ⅜, ½	⅜, ½	$ 5 00	$1.00
1	10	⅜ taper, ⅜, ½, ⅝, ¾, ⅞	½, ⅝, ¾, ⅞	6 00	1.00
2	12	½, ⅝, ¾, ⅞	¾, ⅞, 1, 1⅛	7.00	1.25
3	15	⅝, ¾, ⅞, 1, 1⅛, 1¼, 1⅜, 1½	⅞, 1, 1⅛, 1¼	9 00	1.50
3½	18	⅝, ¾, ⅞, 1, 1⅛, 1¼, 1⅜, 1½	⅞, 1, 1⅛, 1¼	10 00	1.50
4	18	1, 1⅛, 1¼, 1⅜, 1½, 1⅝, 1¾	1⅛, 1¼, 1⅜, 1½, 1⅝, 1¾	12.00	2.00
4½	24	1, 1⅛, 1¼, 1⅜, 1½, 1⅝, 1¾	1¼, 1⅜, 1½, 1⅝, 1¾	14 00	2.00

BILLINGS & SPENCER AUTO



Duro Black Rust Proof Finish

Drop Forged Steel, Specially Heat Treated.

Nos.	1	2	3	4	5	6
Length, Inches	6½	8	10¾	12¼	14¾	18¼
Open, Inches	1⅛	1⅜	2⅛	2⅝	3	3⅛
Thickness Jaw, Inches	⅛	⅜	⅛	⅛	⅛	¾
Depth Jaw, Inches	1	1¼	1½	1¾	1¾	2⅛
Weight Each, Lbs	½	1½	1¾	2	3¾	6½
Each	$1.15	1.50	1.00	2.40	3.00	4.00

One in a Box.

MOSSBERG AUTO

Mottled Finish

Forged Steel, Hardened, with Tempered Jaws.

Nos.	K7	K9	K11
Length, Inches	7	9	11
Opens, Inches	1⅜	1⅝	2½
Thickness Jaws, Inches	⅜	½	½
Weight Each, Oz.	9	13¼	22
Each	$0 60	1 10	1 85

One in a Box

WRENCHES

BILLINGS & SPENCER BICYCLE

Nickel Plated

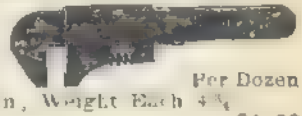
Drop Forged Steel, Hardened Jaws, Telescoping Handle

Each

No. 97—4¼ in. Long, Opens 1⅞ in., Jaws ⅜ in. Thick, Weight Each 6 Oz. $1.00

One in a Box.

STERLING BICYCLE



Satin Finish

Forged Steel, Nicely Finished

Per Dozen

No. 1—5 in. Long, Opens 1¼ in., Weight Each 4¾ Oz. $4.00

One in a Box

BEMIS & CALL ADJUSTABLE "S" NUT

No. 48—Japanned Handle, Polished Head

Drop Forged Steel Sliding Jaw, Steel Operating Nut, Carefully Hardened and Tempered Parts

Length, Inches	6	8	10	12
Opens, Inches	¾	1	1⅜	1⅝
Weight Dozen, Lbs	5½	12	22	33
Per Dozen	$8.00	10.00	12 00	18.00

One-half Dozen in a Box.

ROBINSON ADJUSTABLE "S"

Drop Forged Steel

Sliding Jaw, Steel Operating Nut, Carefully Hardened and Tempered Parts, Dull Black Handle, Full Polished Head.

Nos.	6R	8R	10R
Length, Inches	6	8	10
Jaws Open, Inches	¾	1	1⅜
Weight Per Dozen, Lbs	4	12	20
Per Dozen	$12.00	15.00	20.00

One-half Dozen in a Box.

WESTCOTT ADJUSTABLE "S"

For Nuts

Malleable Iron Handle, Forged Steel Jaws, Japanned

Nos.	74	76	78	80	82	84
Length, Inches	4	6	8	10	12	14
Opens, Inches	⅝	¾	1	1⅜	1⅝	2
Wt. Dozen, Lbs.	2	5¾	11	19½	33	51
Per Dozen	$8 00	8 00	10.00	12 00	18 00	24.00

One-half Dozen in a Box.

BEMIS & CALL ADJUSTABLE "S" PIPE

No. 50—For Pipe

Malleable Iron Handles, Forged Tool Steel Jaws.

Length, Inches	6	8	10
Takes Pipe, Inches	¼ to ½	⅛ to ¾	⅛ to 1
Weight Dozen, Lbs	5½	14	23
Per Dozen	$8 00	10 00	12 00

One Half Dozen in a Box

WRENCHES

CRESCENT ADJUSTABLE

Forged from Special Heat Treated Alloy Steel
Hardened, Carbonized and Oil Tempered, Polished Jaws, Head and Raised Edges.

Nos.	A14	A16	A18	A110
Length, Inches	4	6	8	10
Capacity, Inches	½	¾	1	1⅜
Weight Per Dozen, Lbs.	1½	3¾	7½	14
Per Dozen	$9.35	9.35	11.50	14.40
Nos.		A112	A115	A118
Length, Inches		12	15	18
Capacity, Inches		1 5/8	1 11/16	2 1/16
Weight Per Dozen, Lbs.		24	52	84
Per Dozen		$21 60	32 40	46 80

One in a Box.

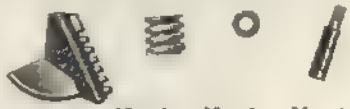
CRESCENT DOUBLE-END ADJUSTABLE

Forged from Special Heat Treated Alloy Steel
Hardened, Carbonized and Oil Tempered, Polished Jaws, Head and Raised Edges.

Nos.	B146	B168	B1810	B11012
Size, Inches	4 to 6	6 to 8	8 to 10	10 to 12
Capacity, Inches	½ to ¾	¾ to 1 1/16	1 1/16 to 1 1/2	1 1/2 to 1 7/8
Wt. Doz., Lbs.	4½	8¼	14¼	27
Per Dozen	$15.85	18 00	21.60	28.80

One in a Box.

PARTS FOR CRESCENT ADJUSTABLE WRENCHES



No. 2. No. 3. No. 5. No. 4.

These Parts Fit Either Single or Double End Wrenches.

For Wrench, Inches		4	6	8	10
No. 2—Jaw	Per Dozen,	$3 00	3.00	3.60	4 80
Weight Per Dozen, Lbs.		½	1	2	3
No. 3—Thumb Nut	Per Dozen,	$1 20	1.20	1.44	1.80
Weight Per Dozen, Oz.		1	2	4	6
No. 4—Pin	Per Dozen,	$0.60	60	.60	.60
Weight Per Dozen, Oz.		⅛	⅜	1	2
No. 5—Spring	Per Dozen,	$0 60	.60	.60	.60
Weight Per Dozen, Oz.		¼	¼	⅜	⅜
For Wrench, Inches		12	15		18
No. 2—Jaw	Per Dozen,	$7.20	10 20		13.80
Weight Per Dozen, Lbs.		4½	11		18
No. 3—Thumb Nut	Per Dozen,	$3.00	4 20		6 60
Weight Per Dozen, Lbs.		⅝	1¾		2¼
No. 4—Pin	Per Dozen,	$1.20	1.20		1.20
Weight Per Dozen, Oz.		4	6		14
No. 5—Spring	Per Dozen,	$0.60	.60		.60
Weight Per Dozen, Oz.		⅜	½		⅝

CARLL ADJUSTABLE

Jaws Reversible for Either Nuts or Pipe
Drop Forged Steel, Hardened and Tempered.

Nos.	60	80	100
Length, Inches	6	8	10
Jaws Open, Inches	1¼	1½	1¾
Weight Each, Oz.	6	15	22
Per Dozen	$10.00	12.00	15.00

One-half Dozen in a Box.

PIPE WRENCHES

B. & C. COMBINATION PIPE AND NUT

No. 45—Long Nut, Polished

Forged One-Piece Solid Steel Head, Bar and Shank, Hardwood Handle.

Length, Inches	8	10	12	15	18
Takes Pipe, In.	⅛ to ¾	⅛ to 1	⅛ to 1¾	⅛ to 2½	⅛ to 3
Wt. Dozen, Lbs.	16	25	38	55	84
Per Dozen	$27.00	30.00	36 00	48.00	87.00

The long nut affords better grip for hand and can be adjusted in cold weather without removing glove or mitten. It also protects the threads and prevents it from being damaged. One-half Dozen in a Box.

WARNOCK TRIPLE WEAR

For Smooth Pipe

For Plumbers, Engineers and Machinists Use, Flexible Woven Strap, Drop Forged Steel Shackles, Curved Nose, Won't Crush Pipe, Double Strap where Wear is Greatest, Unbreakable Handle, Enameled Finish

Nos.	12	18
Takes Pipe, Inches	⅛ to 2	1 to 5
Length, Inches	12	18
Each	$2.50	5.00
Extra Straps Each,	.50	1.00

Two added holes gives this Wrench three wearing positions for each strap. One in a Box.

VICTOR ADJUSTABLE

With Interchangeable Jaw

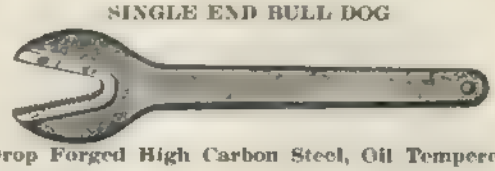
Drop Forged Tool Steel, Nickel Plated. Per Dozen
No. 365—7 in. Long, Weight Per Dozen 9 Lbs. $18 00
One in a Box.

BULL DOG

High Grade Carbon Steel, Oil Tempered Each

No. 1—5⅝ in. Long, Takes Pipe ⅛ to ⅜ in., Round Iron, ¼ to ⅝ in., Weight Per Dozen 3 Lbs. $0.35
No. 1½—5⅝ in. Long, Takes Pipe ⅛ to ⅜ in., Round Iron ⅜ to ⅝ in., Weight Per Dozen 3½ Lbs. $0.50
Six in a Box.

SINGLE END BULL DOG



Drop Forged High Carbon Steel, Oil Tempered

Nos.	2	2½	3
Length, Inches	9	12½	15
Holds Pipe, Inches	⅜ to ⅝	⅜ to 1	½ to 1¼
Holds Round Iron, In.	½ to 1	½ to 1½	¾ to 1⅝
Weight Per Dozen, Lbs.	12	24	36½
Each	$1.00	1.50	2.00

Open Stock.

WRENCHES

BILLINGS & SPENCER SPANNER

Model L, Adjustable

Drop Forged Steel, Dull Black Finish.

To adjust it is only necessary to press on the top of the movable jaw and slide it into its new position.

The bar is drop forged and the moving jaw is made of alloy steel, hardened all over under scientific heat controls.

A most necessary set for all machine shops and manufacturing plants.

Nos.	0	1	2	3
Length, Inches	7	9	9	10 1/8
Takes Circle, Inches	3/4 to 2	2 to 4	2 to 4	2 to 4 3/4
Diameter Pin, Inches	3/8	1/4	5/16	1/4 3/8
Length Pin, Inches	1/2	1/4	1/4	1/4
Weight Each, Oz	4	8	10	21
Each	$0.70	.75	.85	1.25

One in a Box.

RONSON

Nine Wrenches in One

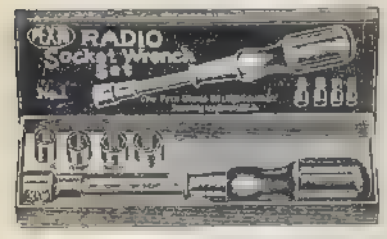
Tool Steel, Tempered, Rust Proof Nickel Finish.

Each

No. R9—6 in. Long Closed, 8 in. Long Open, 1/2 in. Thick, Weight Each 8 Oz. $1.00

One in a Box.

PEXTO RADIO SOCKET



With Ebonized Hardwood Handle

Bright Hexagon Steel Shanks, Hardened Steel Sockets

Per Set

No. 1 Set—Consists of 1 Handle and 5 Interchangeable Sockets for Hex Nuts, Sizes 1/4, 5/16, 11/32 and 3/8 in. and One Spanner Socket for Knurled Nuts, Length of Shank 2 1/4 in., Weight Per Set 4 Oz. $0 90

One Set in a Box.

BIT BRACE SOCKET WRENCHES

BILLINGS & SPENCER

For Hexagon Nuts and Cap Screws

Drop Forged Steel, Dull Black Finish, with Standard Brace Shank.

Nos.	921A	922A	922B	922C	923A	924A	924B
U. S. S. Nut	1/2	..	5/8	..	3/4	..	7/8
H. H. Cap Screw	1/2	5/8	..	3/4	7/8	15/16	..
S. A. E. Nuts or Screws	..	..	..	1/4	5/16	3/8	..
Openings, Inches	11/32	11/32	11/32	11/32	11/32	11/32	11/32
Length, Inches	4	4 1/2	4 1/2	4 1/2	4 3/4	5 1/4	5 1/2
Diam. Head, In.	11/32	11/32	11/32	11/32	11/32	11/32	11/32
Wt. Each, Oz	1 1/2	2 1/2	2 1/2	2 1/2	3	4	4
Each	$0 80	.88	.98	.98	1.04	1.16	1.16

Nos.	925A	925B	925C	926A	926B	926C
U. S. S. Nut	..	3/8	..	7/16	..	1/2
H. H. Cap Screw	3/8	..	1/2	..	5/8	5/8
S.A.E. Nuts or Screws	3/8	..	1/2	.	.	5/8
Openings, Inches	11/32	11/32	11/32	11/32	11/32	11/32
Length, Inches	5	6	6	7	7 1/2	7 1/2
Diameter Head, Inches	1	1 1/8	1 1/8	1 1/8	1 3/32	1 3/32
Weight Each, Oz	5	6	6	7	7 1/2	7 1/2
Each	$1.26	1.42	1.42	1 54	1.54	1.74

BRACE WRENCHES

HARGRAVE SQUARE

Malleable Iron, Hardened

Nos.	152	153	154	156	1560
Opening, Inches	3/8	7/16	1/2	5/8	11/16
Bolt Size Nut	7/16	..	1/4	..	5/8
Lag Screw Size	1/4	..	5/16	..	7/16
Set Screw Size	3/8	7/16	1/2	5/8	..
Weight Dozen, Lbs	1 11/16	1 3/4	2 7/16	3 1/4	3 11/16
Per Dozen	$3 50	4.00	4.50	6.00	6.50

Nos.	158	159	160	161
Opening, Inches	3/8	1	1 1/8	1 1/4
Bolt Size Nut	1/2	7/8	5/8	3/4
Law Screw Size	7/16	5/8	3/4	..
Set Screw Size	5/8	1	1 1/8	1 1/4
Weight Dozen, Lbs	2 11/16	3 1/8	4 1/8	4 5/8
Per Dozen	$7.50	8.00	9.00	10.00

Nos. 152 to 1560, One Dozen; Nos. 158 to 161, One-half Dozen in a Box.

HARGRAVE HEXAGON

Malleable Iron, Hardened

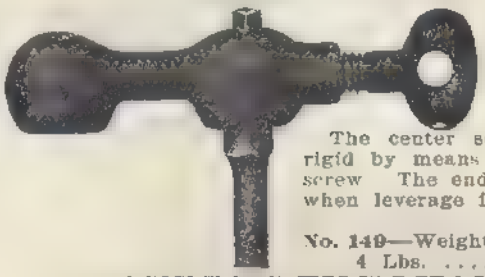
Nos.	166	167	168	169	170
Opening, Inches	3/8	7/16	1/2	9/16	5/8
Bolt Size	..	..	1/4	5/16	3/8
Cap Screw Size	..	1/4	5/16	3/8	7/16
Weight Dozen, Lbs	1 7/16	1 5/8	1 7/8	2	2 5/8
Per Dozen	$3.50	4.00	4.50	5.00	6.00

Nos.	172	173	1731	1732	1733
Opening, Inches	11/16	7/8	1	1 1/8	1 1/4
Bolt Size	7/16	1/2	5/8	5/8	3/4
Cap Screw Size	1/2	5/8	3/4	7/8	1
Weight Dozen, Lbs	1 5/8	2 1/16	2 1/8	3 1/16	3 1/16
Per Dozen	$7 00	7.50	8 00	9 00	10.00

Nos. 166 to 171, One Dozen; Nos. 172 to 1733, One-half Dozen in a Box

BIT WRENCHES

HARGRAVE IMPROVED



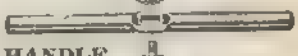
For Brace Wrenches or Regular Brace Bits

The center socket holds bit rigid by means of the pointed screw The end socket is used when leverage is required.

Per Dozen

No. 149—Weight Per Dozen 4 Lbs. $4 00

SOCKET WRENCH HANDLES



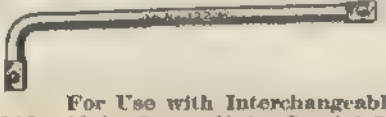
MOSSBERG TAKE DOWN T HANDLE

Made of 1/2 in. Special Bar Steel, Burnished Nickel Finish.

Each

No. 840—10 in. Long, 7 in Wide, Weight 1 1/4 Lbs. $0.75

MOSSBERG INTERCHANGEABLE, DOUBLE-END OFFSET HANDLE



For Use with Interchangeable Sockets Each

No. 822—10 in. Long, 1/2 in. Special Steel Bar, Burnished Nickel Finish, Fits Mossberg Standard Sockets, Weight Each 12 Oz. $0.85

WRENCH SOCKETS

MOSSBERG INTERCHANGEABLE

Small Series Sockets

For owner work there are no wrenches which compare with drawn steel sockets at as low a price, and these Mossberg drawn steel sockets that have been on the market for twenty years are quite guaranteed

Small Series Sockets are marked to exact opening of sockets. The marking of each socket represents the short diameter of nuts, bolt heads and screw heads plus the clearance

Construction—Drawn by pressure from cold rolled steel, thereby retaining the necessary long grain in structure.

Finish -Mottled and lacquered.

Complete List of Small Series Sockets
Hexagon

Socket Opening Size Hex. Inches	Fitting: U. S. Std. Nuts and Bolts. Bolt Size Inches	Fitting: S. A. E. Standard Screws. Screw Size Inches	Fitting: Hex Head Cap Screws. Screw Size Inches
7/16			
15/32			
3/8			
29/64			
1/4			
17/64		1/4	1/4
1/2			
33/64	1/4	5/16	5/16
5/16			
37/64		3/8	3/8
5/8	5/16		
41/64		7/16	
21/32			
43/64	3/8		
3/4			
49/64		1/2	1/2
25/32	7/16		
51/64			7/16
13/16	1/2	7/16	3/8
53/64			
27/32		5/8	
1	5/16		
1 1/32		11/16	3/4
1 1/16	5/8	3/4	
1 3/32			7/8
1 1/8	3/4	7/8	1

Square

Socket Opening Size Square Inches	Fitting: U. S. Std. Nuts and Bolts Bolt Size Inches	Fitting: Square Head Set Screws. Inches	Fitting: Square Head Coach Screws. Inches
7/16		3/8	1/4
15/32		7/16	
1/2	1/4	1/2	5/16
17/32		9/16	3/8
9/16	5/16	5/8	
19/32	3/8		7/16
5/8		3/4	1/2
21/32	7/16	7/8	9/16
11/16	1/2	1	
23/32	9/16		3/4
3/4	5/8		

Each

Small Series—Height 1¾ in. $0.35

SOCKET WRENCH SETS

MOSSBERG

In Steel Case

Per Set

No. 10 Set—Consists of 1 No. 350 10-in Ratchet Handle, 1 No. 351 9½-in. Extension Bar, 1 No. 336 Universal Joint, 1 No. 101 Double End Offset Screw Driver, 21 Hexagon Mottled and Hardened Pressed Steel Sockets, Sizes ¼ to 1⅜ in., 2 4-in. Long Spark Plug Sockets, Size ⅝ and 1⅛ in. Openings, Put Up in Neat Steel Case, Weight Per Set 8 Lbs. $0.75

In Kennedy Steel Tool Case

Per Set

No. 14 Set—Consists of 1 No. 350 10 in Ratchet Handle, 1 No. 330 10-in. Solid "Tee" Handle, 1 No. 329 10-in. Offset Handle, 1 No. 351 9½ in. Extension Bar, 1 Pair No. 77 6 inch Combination Pliers, 5 Engineers' Open-End Wrenches with Openings ⅜ to 1 in., 1 No. 336 Universal Joint, 1 No. 101 Double End Offset Screw Driver, 3 4-in Long Spark Plug Sockets ⅝ and 1⅛ in. Openings, 34 Hexagon and Square Mottled and Hardened Pressed Steel Sockets ⅜ to 1⅜ in. Openings, Put Up in Hardwood Case, Weight Per Set 20 Lbs. $17.00

For Ford Cars Per Set

No. 30 Set—Consists of 1 No. 355 8-in Ratchet Handle, 1 No. 351 9½-in. Extension Bar, 1 No. 336 Universal Joint, 1 No. 101 Double End Offset Screw Driver, 8 Hexagon Mottled and Hardened Pressed Steel Sockets ½ to ¾ in., Square Socket ⅓ and 1 4-in. Long Spark Plug Socket ⅝ in. Opening, in Neat Steel Case, Weight Per Set 5¼ Lbs $5 75

LANES UNIQUE

In Leatherette Case

Drop Forged Steel Sockets, Milled Ratchet, Heat Treated and Case Hardened. Particularly adapted for Ford cars

Per Set

No. 8—With 7 in Reversible Ratchet Wrench, 7 Sockets with Openings ⅜, ⅞, ½, ⅝, ¾, ¾ and ⅞ in. and 2 Screw Drivers, Weight Per Set 23 Oz. . $3.50

PLATE 14.

Black-headed Grosbeak
Russet-backed Thrush

© *Painted expressly for* THE CLASSROOM TEACHER

Bullock's Oriole
California Jay

Courtesy · THE CLASSROOM TEACHER, INC. Copyright

TEXT BOOK INSERTS

This insert of four pages, printed by the
COLUMBIAN COLORTYPE CO., CHICAGO

When you see a "Hex" think of Blackhawk

These Blackhawk Features Help Sell Tools in Sets

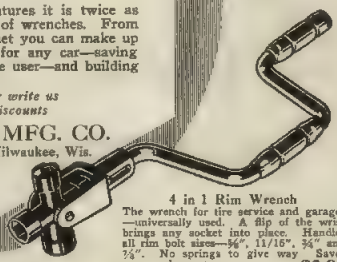
Long on quality—short on price—you can't beat Blackhawk Socket Wrenches for features that *sell goods.*

The Blackhawk line is outstanding in design—thin wall, taper nose, heavy shoulder sockets, and extra sturdy handles having just the right reach and leverage.

With the appeal of these features it is twice as easy to push the idea of sets of wrenches. From your Display Boards or Cabinet you can make up sets for the garage trade, or for any car—saving time, work and money for the user—and building up volume for you.

Ask your jobber, or write us for catalog and discounts

BLACKHAWK MFG. CO.
Dept. G Milwaukee, Wis.



4 in 1 Rim Wrench
The wrench for tire service and garages—universally used. A flip of the wrist brings any socket into place. Handles all rim bolt sizes—⅜", 11/16", ¾" and ⅞". No springs to give way. Saves time and sweat.
List price $3.95

Chevrolet Set No. 30
This set of four Blackhawk One-Piece Wrenches will handle most of the routine Chevrolet jobs. Blackhawk quality throughout, and the famous Blackhawk features.

Blackhawk Pumps for All Model T

"Chief"—most powerful made. Turbine head, double bronze bearings, lubrication. Retails, $7.50

"Scout"—the wonder value in the low price range. Retails, $5.00. Each fits all Model T motors and comes complete with belt and horn bracket.

BLACKHAWK

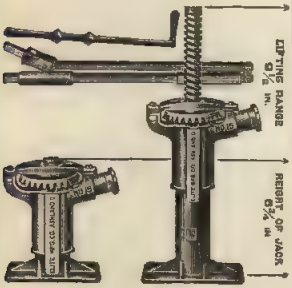
AUTO JACKS.
MILLERS FALLS.

For Balloon Tires.

Slips under an axle 6¾ inches off the ground with a 10¼ inch lift. Specifications: Steel screws; housing and gears malleable iron; all working parts enclosed—dirt-proof; extensible handle; black enameled base; minimum height, 6¾ inches; maximum height, 10¼ inches; diameter of base, 5 inches.

No. 130. Capacity, 2 tons. Wt. each, 10½ lbs. .....Each **$6 50**

BALLOON TIRE.



Both screws work together—twice as fast as ordinary jacks. Neither the top nor the center screw turn This avoids the tendency for the jacks to twist from beneath the load. Greater lifting range than any other jack—10 inches. Guaranteed to take care of all tires on any car. Handles operate from the center of the jack making it possible at all times to place the jack in position with the handle. Note the long 36 inch handle with the patented semi universal joint. It is flexible enough to give all the advantages of a universal joint yet rigid enough to place the jack in position. Each jack is packed in a carton with the handle.

No. 15. Height, 6¾ to 17 ins. Cap., 3000 lbs. Wt. each, 7½ lbs. Each **$5 00**

BLACKHAWK JACKS.
HYDRAULIC OIL POWER.
FOR AUTOMOTIVE AND INDUSTRIAL WORK.

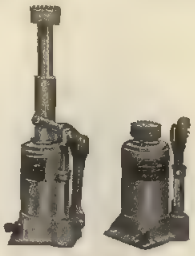
Blackhawk Hydraulic Jacks fill a long felt need for a positive easy means of lifting. The exclusive patented features of these jacks permit modern application of hydraulic principles. They are tools of power, light in weight, but capable of lifting heavy loads with very little effort. Loads are lowered automatically with hand controlled release valve. Guaranteed to stand up under severe service and soon earn their cost in time saved and efficient service rendered. All jacks tested at factory far beyond rated capacity

TOURIST. 1½ TON.

Single Lift for Car Owners.

Pump handle designed so jack can be placed and removed without getting under car.

Tourist. Capacity, 1½ tons; height, 9 inches; lift, 6 inches; total height, 15 inches. Wt., 6 lbs.....Each **$7 50**



HI-WAY. 2 TON.

Double Lift for Balloon Tires

Especially designed for balloon tires and particularly adapted to repair shop use. Telescopic double lift ram, low built with extra high lift. Bayonet grip handle allowing placing of jack without getting under car.

No. B7. Capacity, 2 tons; height, 7 ins.; lift, 6 ins total height, 13 ins. Wt. 12 lbs.. ... .Each **$20 00**

No. B8. Capacity, 2 tons; height, 8 ins.; lift, 8 ins.' total height, 16 ins. Wt., 13 lbs... . .....Each **$20 00**

No. B9 Capacity, 2 tons; height, 9 ins.; lift, 10 ins.; total height, 19 ins. Wt., 14 lbs.....Each **$20 00**

3 TON.

For Bus Lines and Delivery Fleets.

Built for busses, fast delivery trucks or speed wagons; can be placed under low built equipment allowing sufficient lift for tire changes; neither passenger or load are disturbed; one man easily lifts loaded bus or truck; lowers in even gradual movement; operator controls speed; bayonet grip handle

No. A9. Capacity, 3 tons; height, 9 ins; lift, 5½ ins.; total height, 14½ ins Wt., 14½ lbs.....Each **$20 00**

No. A11. Capacity, 3 tons; height, 11 ins.; lift, 7 ins; total height, 18 ins. Wt., 16½ lbs .... . .Each **$20 00**

7 TON.

For Heavy Trucks and Coaches.

Can be operated by one man with ease, and without disturbing load; simplicity, efficiency and safety of operation readily demonstrated

No. C11. Capacity, 7 tons; height, 11 ins.; lift, 7 ins.; total height, 18 ins Wt., 18½ lbs.....Each **$25 00**

18 TON.

For Heavy Lifts, Requiring Low Jacks.

For extra heavy truck work and axle straightening. Heavy duty tire service stations find this jack a labor and time saver. Will lift heaviest truck without disturbing load; adaptable to press work.

No. E11. Capacity, 18 tons, height, 11 inches; lift, 5½ ins.; total height, 16¼ ins. Wt., 43 lbs.....Each **$50 00**

AUTO JACKS.

6-Ton Truck.

Malleable.

Strongly reinforced and designed for the heaviest kind of loads such as heavy motor trucks, trolley cars, tractors, mine cars, etc.; easy to operate under their full rated load.

No. 26. Capacity, 6 ton; height, lowered, 11½ inches; raised, 16½ inches; diameter of screw, 1½ inches. Wt. each, 17 lbs.....Each **$7 20**

Standard No. 3. Capacity 2000 lbs.; height, bar down, 11½ inches; height, bar raised, 17¾ inches. Bar rack made of steel; teeth, machine cut; balance of Jack, malleable iron. Designed for larger sized cars. Wt. each, 11¼ lbs.....Each **$5 10**

Standard No. 4. Is an ideal jack for a light car with low axles, one of the best for Ford and Chevrolet cars; is fitted with a swing top to give a wider range. Capacity, 1500 lbs.; height, bar down, 11 and 12¼ inches; height, bar raised, 16¼ and 17½ inches. Wt. each, 6 lbs.....Each **$3 25**

Leader No. 21. Capacity 1500 lbs.; height, bar down, 5¾ and 9¼ inches; height, bar raised, 11 and 14½ inches. Made of malleable iron of highest grade. Designed for light weight cars. Wt. each, 4¼ lbs.....Each **$1 70**

MILLERS FALLS.

Easy Working. Sturdy. Dependable.

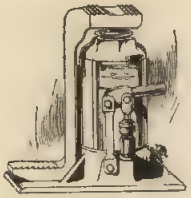
Handle Controlled.

The body of handle is steel tubing, each end of which is strengthened by a brazed steel sleeve. The telescopic rod is ⅝ inch hexagon cold rolled steel; folds to a minimum of 18 inches and extends to 36 inches; is extra strong at the joint where it attaches to jack. You can slide jack around, even lift it off the ground with perfect safety. Handle turns easily whether load is light or to capacity. Perfect control without stooping or reaching under the car. Operator is full length of handle away from all dirt and grease. Direct worm drive with ball bearing end thrust. Working parts of steel. Worm is heat treated. broad rectangular base of grey iron, checked on bottom. Barrel of malleable iron. Cap and screw one piece of forged steel, practically unbreakable, and cannot be screwed out of barrel. Lifting worm gear shaft releases screw instantly. Base is adjustable, permitting three ranges of heights before screw is raised. Every jack is warranted to be mechanically perfect.

No. 145. Capacity, 2 tons; minimum height, 9½ inches; maximum height, 18 inches. Wt. ea., 10½ lbs. Each **$8 00**

BLACKHAWK JACKS.

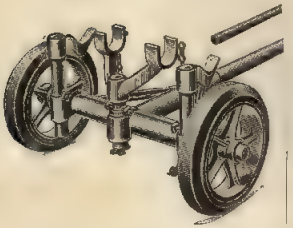
HYDRAULIC OIL POWER.



No. H14. Lifts from 1½ inches of floor; toe lift and double pump; lifting range from 1½ inches to 8¼ inches from floor; can also be used for straight lift work on ram. Capacity, 15 tons; height, 14 ins.; total height, 22½ ins. Wt., 108 lbs.....Each **$110 00**

TOWING JACKS.

STANDARD.

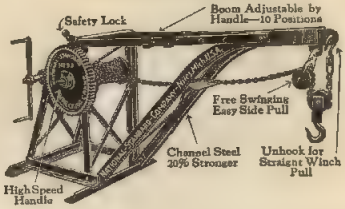


The front axle supports are adjustable for height with reversible offset; the chains secure the axle against side slip. The "V" blocks will carry any rear axle without interference with truss rods; no clamps necessary; tongue is of steel, tubular telescopic construction, and may be removed. The entire front or rear end of a car can be supported and towed, instead of carrying just one end of the axle.

No. 70R. Width overall, 36 inches; tongue closed, 7 ft. 3 inches; tongue extended, 12 feet; rubber tired wheels, 16x3½ in. Wt. each, 215 lbs. Each **$85 00**

WRECKING CRANES.

NATIONAL STANDARD.


Safety Lock
Boom Adjustable by Handle—10 Positions
Free Swinging Easy Side Pull
Channel Steel 20% Stronger
Unhook for Straight Winch Pull
High Speed Handle

Boom is made of heavy channel steel, which has 15 to 20% more strength than angle iron; is adjustable to ten positions and can be raised or lowered by the handle.

The crane is considerably heavier than the average and the frame is built in a substantial manner. There are no parts in breaking strain; all members are in compression or tension strain.

The free swinging pulley on the boom permits the wreck to be pulled sidewise or from any angle without locking or binding

The chain can be detached from the head and used as a winch which saves the expense of additional equipment for this purpose.

One pound of pressure on the handle lifts 120 pounds on the hook.

The handle can be used on either side of the crane for high and low speed adjustment.

No. 93. Height, from 40 to 70 inches; base, 30x36 inches; maximum leverage, 120 to 1; size of chain, ⅝x26 ft. long; length of boom, 72 inches. Net. wt., 390 lbs. .....Each **$125 00**

TOWING POLES.

ONE MAN UNIVERSAL.

This is a towing pole that will save one man's time when pulling in cars. This model can be attached to any axle, either of the I beam or tubular type, and will guide the towed car without a person at the wheel, the only model that can be universally used for all cars. It is easily and quickly attached. The guiding arrangement can be firmly fastened to the towed car's axle and steering cross tube, not interfering with the splash apron. The steering attachment bar and clamp can be adjusted either in front or just at the rear of the axle clamp, depending upon the splash apron conditions. The hinged joints of the guiding attachment are so arranged that turning corners is safe in every detail. A heavy coil spring is inserted in the pole to absorb the shock of starting and stopping and in running over rough roads. There is a universal attachment at the opposite end of the pole for fastening to the towing car, and will likewise fit any axle.

No. 75. Length, 6 ft. 8 inches; diam., 1⅝ inches. Wt., 45 lbs....Each **$30 00**

CREEPERS.

BOYCO.

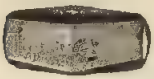
The Boyco all steel creepers are built to stand up under heavy usage. They are made of solid pressed steel; two pockets are built at the end to hold bolts, etc., has a comfortable head rest and equipped with heavy casters.

Boyco. Size, 15½x45 inches. Wt., 16 lbs. .....Each **$8 50**

HAMMERS.

STRIKING OR DRILLING.

Solid Steel; Dead Black Finish; Polished Faces.



Also Known as Double Faced Sledges.

The smaller sizes are frequently used as hand drilling hammers and are known to contractors as Single Jacks, while the larger sizes are often called Double Jacks. Used by blacksmiths, railroads, quarrymen, contractors, wood camps, etc., for all striking purposes.

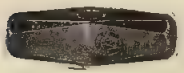
SHORT OREGON PATTERN.

No. 760. Wt. each, lbs., 4..Pound **$0 40**

No. 760. Wt. each, lbs., **6, 7, 8, 10, 12** .....Pound **$0 30**

Dimensions.

4 Lb. Length, 4⅞ in.; faces 1⅝ in.
8 Lb. Length, 6¼ in.; faces 2 in.
12 Lb. Length, 6¾ in.; faces 2⅜ in.



LONG NEVADA PATTERN.

No. 750. Wt. each, **3, 4**...Pound **$0 40**

No. 750. Wt. each, lbs., **5, 6, 7, 8, 10, 12, 14, 16**.....Pound **$0 30**

Dimensions.

4 Lb. Length, 6⅛ in.; faces 1½ in.
8 Lb. Length, 7⅝ in.; faces 1⅞ in.
16 Lb. Length, 8½ in.; faces 2⅜ in.

HAMMERS.

SPAULING OR STONE.

Solid Steel; Dead Black Finish; Polished Faces.

Used by stone cutters, masons, etc., for breaking and shaping stone.

SINGLE FACE.

No. 710. Wt.each,lbs., **3, 4**.Pound **$0 50**

No. 710. Wt.ea.,lbs., **5, 6, 8**.Pound **40**

Dimensions.

8 Lb. Length, 8 in.; face, 2½x1½ in.; width of bit, 2⅛ in.

DOUBLE FACE.

No. 720. Wt. each, lbs., **8, 10, 12, 14, 16,** .....Pound **$0 40**

Dimensions.

8 Lb. Length, 8 in.; faces, 2⅛x1¼ in.
16 Lb. Length 9½ in.; faces 2¾x1¾ in.

SLEDGES.

BLACKSMITH.

Solid Steel; Dead Black Finish; Polished Faces.

Used by blacksmiths, machine shops, etc., for general forging.

CROSS PEIN.

No. 830. Wt. each, lbs., **8, 10, 12, 14, 16** ... .Pound **$0 30**

Dimensions.

8 Lb. Length, 7 in.; faces, 2½ in.; pein, 2¼ in.
14 Lb. Length, 8⅛ in.; face, 2¾ in.; pein, 2¾ in.

STRAIGHT PEIN.

No. 840. Wt. each, lbs., **8, 10, 12 14** .....Pound **$0 30**

Dimensions.

8 Lb. Length, 7 in.; face, 2¼ in.; pein, 2¼ in.
14 Lb. Length, 8⅛ in.; face, 2¾ in.; pein, 2¾ in.

MAULS.

RAILROAD TRACK.

Solid Steel; Dead Black Finish; Polished Faces.

Used for driving rail spikes.

No. 920. Wt.ea.,lbs., **8, 10.**Pound **$0 30**

Dimensions.

8 Lb. Length, 10½ in.; small face, 1⅛ in.; large face, 1½ in.

SHIP OR TOP.

Used for driving nails and spikes. The top, or small end, used for sinking nails or spikes below the surface.

No. 930. Wt.each,lbs., **5, 6.**Pound **$0 42**

Dimensions.

5 Lb. Length, 8¾ in.; small face, 7/16 in.; large face, 1⅛ in.
6 Lb. Length, 9 in.; small face, ½ in.; large face, 2⅛ in.

MAULS.

WOOD CHOPPERS'.

Solid Steel; Dead Black Finish; Polished Faces.

Used by wood choppers for driving wedges, cutting cross-sections and making opening to start wood glut or wedge.

OREGON PATTERN; ROUND EYE.

No. 960. Wt. each, lbs., **6, 7, 8, 9, 10** .....Pound **$0 36**

Dimensions.

6 Lb. Length, 8½ in.; head, 1⅞ in.; bit, 4 in.

8 Lb. Length, 8¾ in.; head, 2⅛ in.; bit, 4¼ in.

10 Lb. Length, 9½ in.; head, 2¼ in.; bit, 4½ in.

OREGON PATTERN; AXE EYE.

No. 960A. Wt. each, lbs., **6, 7, 8, 9, 10** .....Pound **$0 36**

Dimensions.

6 Lb. Length, 8½ in.; head, 1⅞ in.; bit, 4 in.

8 Lb. Length, 8¾ in.; head, 2⅛ in.; bit, 4¼ in.

10 Lb. Length, 9½ in.; head, 2¼ in.; bit, 4½ in.

WEDGES.

WOOD CHOPPERS'.

Solid Steel; Dead Black Finish.

Used for wood splitting purposes.

OREGON PATTERN.

No. 990. Wt. each, lbs., **5, 6, 7, 8** .....Pound **$0 36**

Dimensions.

6 Lb. Length, 9⅛ in.; head, 1¾ in.; bit, 4 in.

8 Lb. Length, 9⅜ in.; head, 2 in.; bit, 4¼ in.

WEDGES.

WOOD CHOPPERS'.

Solid Steel; Oil Finish.

Used for wood splitting purposes.

The groove is intended to make the wedge enter wood straight and to keep from binding. Being narrow, they are suitable for hard woods.

TRUCKEE PATTERN.

Wt. each, lbs., **5, 6, 7, 8**.Pound **$0 25**

Dimensions.

6 Lb. Length, 11⅛ in.; head, 1½ in.; bit, 1⅞ in.

8 Lb. Length, 11¾ in.; head, 1⅝ in.; bit, 2¼ in.

FALLING.

Solid Steel; Dead Black Finish.

Used to follow in after the saw when falling large trees, both to tip the tree and prevent saw binding

NORTHWESTERN PATTERN.

No. 1010A. Wt. each, lbs., **5, 6, 7, 8** .....Pound **$0 40**

Dimensions.

6 Lb. Length, 9⅝ in.; head, 2⅞x1 in.; bit, 5¼ in.

8 Lb. Length, 11 in.; head, 3⅛x1⅛ in.; bit, 5¾ in.

CEDAR PATTERN; SQUARE HEAD.

No. 1000A. Wt. each, lbs., **5, 6, 7, 8** .....Pounds **$0 35**

Dimensions.

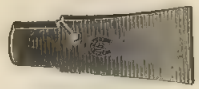
6 Lb. Length, 9 in.; head, 1⅞ in.; bit, 3¾ in.

8 Lb. Length, 10 in.; head, 2 in.; bit, 4 in.

WEDGES.

SAW.

Solid Steel; Dead Black Finish.



Used to follow in after the saw when sawing logs to prevent saw binding.

IMPROVED.

No. 1020C. Wt. each, lbs., **1½, 2, 2½** .....Pound **$0 30**

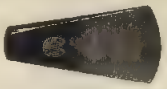
Dimensions.

1½ Lb. Length, 7¼ in.; head, 1⅜x ½ in.; bit, 2⅞ in.

2½ Lb. Length, 9¼ in.; head, 1⅝x ½ in.; bit, 3⅜ in.

BUCKING.

Solid Steel; Dead Black Finish.



Shorter and broader than falling pattern. Used mainly when sawing logs to length.

TOWNSEND PATTERN.

No. 1010C. Wt. each, lbs., **6, 7, 8** .....Pound **$0 40**

Dimensions.

8 Lb. Length, 11 in.; head, 2½x1¼ in.; bit, 6 in.

HARMON.

Used to follow the splitting wedge, also for general wood splitting purposes.

Malleable Iron Wedge.

Harmon. Hardwood head; wrought iron ring. Light and strong. Wt. each, about 5 lbs.....Dozen **$15 00**

Extra Heads; Hardwood.

Wt. each, 1¼ lbs.....Dozen **$3 00**

Extra Rings; Wrought Iron.

Wt. each, ¾ lb. .....Dozen **$2 50**

Dimensions.

Length, overall, 16 inches; bit, 4⅛ inches; head, 2¾ inches.

RAILROAD TRACK CHISELS.

Used chiefly by track layers for cutting steel rails, etc.

Solid Steel.

Verona. Width of bit, 1¼ inches. Wt. each, 4¾ lbs.....Pound **$0 40**

Cuckoo Clocks

Superior Quality Cuckoo Clocks made by experts in the Black Forest shops of Germany. Each Clock is Adjusted, Regulated and Packed in a Strong Wooden Box.

P7517—CUCKOO CLOCK—Walnut case with front made of three layers of wood. Small size movement. Half hour strike and call. Height, 18 inches, width, 13 inches, and dial, 5 inches. Each clock is adjusted and regulated. Packed in a strong wooden box..... Each 17.00

P7519—CUCKOO CLOCK—Walnut case with inlaid Ash, Ebony and Mahogany ornaments. Front of case made with three layers of wood. Large size movement. Quarter-hour strike and call. Height, 25 inches, width, 17 inches, and dial, 6⅝ inches..... Each 33.00

P7518—CUCKOO CLOCK—Walnut case with front made of three layers of wood. Half-hour strike and call. Height, 19 inches; width, 14 inches, and dial, 5¼ inches..... Each 21.00

Desk and Boudoir Clocks

P7531—IDOLE Bevel convex glass, mahogany finish case, one-day time movement. Height, 4 inches, width, 7⅞ inches; 2¾-inch silver dial..... Each 6.00

P7532—INCA—Convex beveled glass, mahogany finish, 1-day time. Height, 3½ inches, width 3¼ inches; 2½ inch silver dial..... Each 5.00

P7536—GOTHIC BOUDOIR CLOCK—Antique mahogany case with dark panels. Fancy gold dial, raised gold numerals, 12-day movement. Height, 7⅜ inches, width, 7⅛ inches, and dial, 3½ inches..... Each 23.00

400-Day Clock

P7520—400-DAY CLOCK Glass globe, brass base, ivory finished dial. Runs 400 days with one winding. Highest quality movement made. Height, 12 inches; diameter, 7½ inches..... Each 28.00

Cathedral Gong Clocks

The all-year-round gift, on Birthdays, Weddings, Anniversaries, is the Clock. Here you will find a choice selection. They will please you and your customer.

P7534—TAMBOUR CLOCK—Mahogany finished case, convex glass 6-inch silver dial. Eight-day half-hour strike movement, cathedral gong. Height, 9 inches, width, 18 inches 13.50

P7535—TAMBOUR CLOCK—Mahogany finished case, beveled convex glass, 6-inch silver dial, raised numerals. Eight-day, hour and half-hour strike, cathedral gong. Height, 9½ inches; width, 20 inches 14.50

These Clocks were chosen for their beauty and excellence of manufacture

P7533—TAMBOUR CLOCK—Mahogany finished case. Convex glass. Eight-day, half-hour strike, cathedral gong. Height 9 inches, width, 18 inches, and dial, 6 inches 13.50

A Clock makes a gift that is always appreciated

Harmony Duo-Strike Mahogany Finish Clocks

P7539—HARMONIOUS CLOCK—Gold sash, hands and raised numerals. Height, 9¼ inches, width, 20 inches 21.00

Eight-day Duo Strike Movement, self-adjusting strike, removable springs, hour and half-hour strike. 8½ inch silver dial, skeleton hands, cast sash, beveled glass, strikes on two silver rod.

P7540—HARMONY CLOCK—Silver dial, cast sash, skeleton hands. Height, 9½ inches, width, 20 inches 19.50

P7541—HARMONISTE CLOCK Gold sash, hands and raised numerals. Height, 9¼ inches; width, 20 inches 21.00

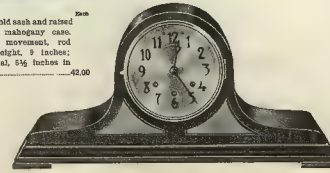
Westminster Chime Clocks

Solid mahogany, hand rubbed cases, cast sash, convex beveled glass and art skeleton hands. Eight-day, self-adjusting chime and strike, with easily removable main springs.

P7544—WELLS CLOCK—Gold sash and raised gold numerals Solid mahogany case. New 8-day pendulum movement, rod chimes and strike. Height, 9 inches; width, 13⅝ inches. Dial, 5½ inches in diameter 42.00

Chimes on four silver-toned rods—striking the hour, quarter-hours and half-hour. The hour is struck on a separate rod of deep mellow tone. Chime may be silenced by shut-off switch.

P7521—WESTMINSTER CHIME—Genuine mahogany case, convex glass in gold metal sash. Silver dial with raised numerals. Size of case, length, 21¼ inches, height, 9¾ inches; depth, 6 inches 80.00



P7522—IMPORTED WESTMINSTER CHIMES—Genuine mahogany case with panels in two colors Silver finished dial, 5½ inches in diameter; raised numerals of bronze The dimensions of the case are 21½ inches in length, 9¾ inches in height and 6 inches in depth 84.00

BLUE GLASSWARE
ENGRAVED WITH
STERLING SILVER BORDER

2
STERLING BLUE COMPORT
Height 6 inches
Width, 6 inches
$9.00 each

1537
STERLING BLUE 3 PC SALAD SET
Width Bowl 6 inches
Width Plate, 14 inches
$25.50 complete

1608
STERLING BLUE VASE
Height, 10 inches
$7.50 each

549
STERLING BLUE CANDLESTICK
Height, 9½ inches
$6.00 each

1541
STERLING BLUE FLOWER
OR FRUIT BOWL
on Black Base
Width 12 inches
$18.00 each

1540
STERLING BLUE CANDLESTICK
Height, 9½ inches
$6.00 each

1544
STERLING BLUE 3 PC DRESSER SET
Tray Length, 7½ inches, Width, 5 inches
$3.75 each
Puff Box Width 4 inches $4.50 each
1 Oz Drop Stopper Perfume $6.75 each

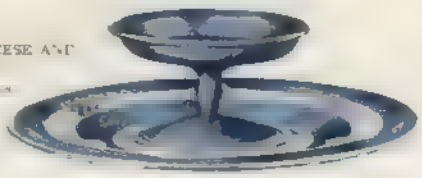
1618
STERLING BLUE COVERED COMPORT
Height 6 inches
Width, 6 inches
$9.00 each

1
STERLING BLUE FLOWER
OR FRUIT BOWL
Width 13½ inches
$18.00 each

1535
STERLING BLUE FLOWER CENTER
Height, 7½ inches
Width, 9½ inches
$18.00 each

1587
STERLING BLUE FRUIT BOWL
on Crystal Stand
Width, 7 inches
$12.00 each

1240
STERLING BLUE HANDLED
LUNCHEON PLATE
Width, 10 inches
$9.00 each



1587
STERLING BLUE CHEESE AND
CRACKER
Width 9¾ inches
$12.00 set

AMBER ENGRAVED GLASSWARE

1547-229
HIGH SHERBET
Height 5¾ inches
$18.00 dozen

1547-229
SHERBET SET
Low Sherbet - Height, 4½ inches
Plate - Width, 7½ inches
Sherbet **$18.00 dozen**
Plate **$36.00 dozen**

1547-229
WINE
Height, 5¼ inches
$16.50 dozen

1547-229
COCKTAIL
Height, 5¼ inches
$16.50 dozen

1547-229
GOBLET
Height, 7¼ inches
$18.00 dozen

1549-229
CANDLESTICK
Height 9¼ inches
$3.75 each

1580-229
FLOWER OR FRUIT BOWL
on Crystal Stand
Width, 11 inches
$7.50 each

1549-229
CANDLESTICK
Height, 9½ inches
$3.75 each

1547-229
ICE TEA
Height, 6¼ inches
$15.75 dozen

1546-229
COMPORT
Height 7½ inches
Width 7½ inches
$4.50 each

1497-229
SUGAR AND CREAM SET
Length 5½ inches — Length, 4½ inches
Height 2½ inches — Height, 2½ inches
$4.50 pair

1549-229
COMPORT
Height 6 inches
Width 6 inches
$4.50 each

13-229
CANDY JAR
½ pound capacity
$3.45 each

1547-229
PERFUME
1 ounce
$3.75 each

1544-229
PUFF BOX
Width, 4 inches
$3.75 each

1506-229
BUD VASE
Height, 8 inches
$24.00 dozen
Height, 10 inches
$27.00 dozen

AXES

—BLUE GRASS—SINGLE BIT. RUSTLESS BLACK FINISH, DEEP ETCHED

DAYTON PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 311-40—Octagon handle	Per Doz	$66 15	67 95	69 75	71 55
No. 311-50—Oval handle					

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 311-6—Octagon handle	Per Doz	$65 40	67 20	69 00	70 80
No. 311-7—Oval handle					

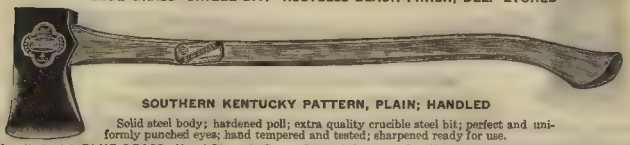
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 311-63—Octagon handle	Per Doz	$63 15	65 25	66 75	68 55
No. 311-64—Oval handle					

DAYTON PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 311	$47 10	48 90	50 70	52 50

—BLUE GRASS—SINGLE BIT. RUSTLESS BLACK FINISH, DEEP ETCHED



SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 321-40—Octagon handle	Per Doz	$67 95	70 05	71 85
No. 321-50—Oval handle				

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 321-6—Octagon handle	Per Doz	$67 20	69 00	70 80
No. 321-7—Oval handle				

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 321-63—Octagon handle	Per Doz	$64 95	67 05	68 70
No. 321-64—Oval handle				

SOUTHERN KENTUCKY PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs	3½ to 4½	4 to 5	4½ to 5½
No. 321 Per Doz	$48 90	50 70	52 50

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RUSTLESS BLACK FINISH, DEEP ETCHED

BALTIMORE KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested, sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wt (assorted), lbs		3½ to 4½	4 to 5
No. 331-40—Octagon handle No. 331-50—Oval handle	Per Doz	$67 95	69 75

Handled with BELKNAP SPECIAL, Hand Shaved, White Second Growth Hickory, Scroll End Handles.

Wt (assorted), lbs		3½ to 4½	4 to 5
No. 331-6—Octagon handle No. 331-7 Oval handle	Per Doz	$67 20	69 00

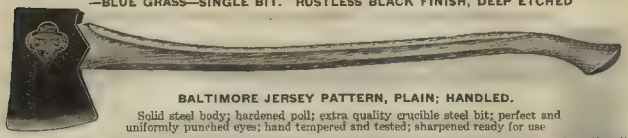
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wt (assorted), lbs		3½ to 4½	4 to 5
No. 331-63—Octagon handle No. 331-64—Oval handle	Per Doz	$64 95	66 75

BALTIMORE KENTUCKY PATTERN, PLAIN; UNHANDLED

Wt (assorted), lbs		3½ to 4½	4 to 5
No. 331	Per Doz	$48 90	50 70

—BLUE GRASS—SINGLE BIT. RUSTLESS BLACK FINISH, DEEP ETCHED



BALTIMORE JERSEY PATTERN, PLAIN; HANDLED.

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wt (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 341-40—Octagon handle No. 341-50—Oval handle	Per Doz	$66 15	67 95	69 75	71 55

Handled with BELKNAP SPECIAL, Hand Shaved, White Second Growth Hickory, Scroll End Handles.

Wt (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 341-6—Octagon handle No. 341-7—Oval handle	Per Doz	$65 40	67 20	69 00	70 80

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wt (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 341-63—Octagon handle No. 341-64—Oval handle	Per Doz	$63 15	64 95	66 75	68 55

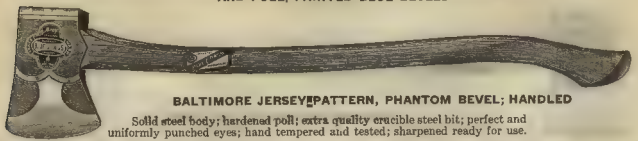
BALTIMORE JERSEY PATTERN, PLAIN; UNHANDLED

Wt (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 341	Per Doz	$47 10	48 90	50 70	52 50

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RED AND GOLD BODY, LABELED. FULL POLISHED BIT AND POLL, PAINTED BLUE BEVELS



BALTIMORE JERSEY PATTERN, PHANTOM BEVEL; HANDLED

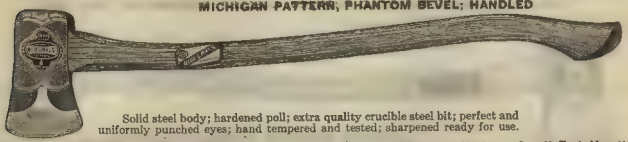
Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.				
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 143-40—Octagon handle **No. 143-50**—Oval handle	Per Doz	$63 45	65 25	67 05
Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.				
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 143-6—Octagon handle **No. 143-7**—Oval handle	Per Doz	$62 70	64 50	66 30
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.				
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 143-63—Octagon handle **No. 143-64**—Oval handle	Per Doz	$60 75	62 25	64 05

BALTIMORE JERSEY PATTERN, PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	
No. 143	Per Doz	$44 40	46 20	48 00	

MICHIGAN PATTERN, PHANTOM BEVEL; HANDLED



Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.					
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 153-40—Octagon handle **No. 153-50**—Oval handle	Per Doz	$63 45	65 25	67 05	68 85
Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.					
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 153-6—Octagon handle **No. 153-7** Oval handle	Per Doz	$62 70	64 50	66 30	68 10
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.					
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 153-63—Octagon handle **No. 153-64**—Oval handle	Per Doz	$60 75	62 25	64 05	65 85

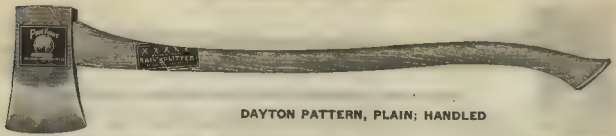
MICHIGAN PATTERN PHANTOM, BEVEL; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 153	Per Doz	$44 40	46 20	48 00	49 80

All of above axes packed one doz in wood box.

AXES

PINE KNOT—SINGLE BIT, GOLD BRONZED LABELED, POLISHED BIT AND HEAD



DAYTON PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; forged tool steel bit, tempered and sharpened ready for use.

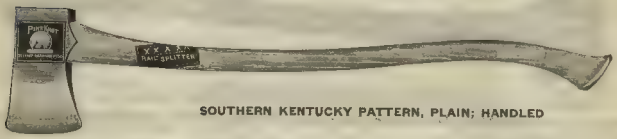
Handled With Rail Splitter Oval White Hickory Handles.

Wts (assorted) lbs	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 911-25 Per Doz	$51 75	53 55	55 35	57 15

DAYTON PATTERN, PLAIN; UNHANDLED

Wts (assorted) lbs	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 911 Per Doz	$40 80	42 30	44 10	45 90

PINE KNOT—SINGLE BIT, GOLD BRONZED, LABELED, POLISHED BIT AND HEAD



SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; forged tool steel bit, tempered and sharpened ready for use.

Handled With Rail Splitter Oval White Hickory Handles.

Wts (assorted) lbs	3½ to 4½	4 to 5	4½ to 5½
No. 921-25 Per Doz	$53 55	55 35	57 15

SOUTHERN KENTUCKY PATTERN, PLAIN; UNHANDLED

Wts (assorted) lbs	3½ to 4½	4 to 5	4½ to 5½
No. 921 Per Doz	$42 30	44 10	45 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. PHANTOM BEVEL. FULL POLISHED AND LABELED.

PAINTED BLUE BEVELS

DAYTON PATTERN, SPECIAL PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 216-40—Octagon handle No. 216-50—Oval handle	Per Doz	$84 35	66 15	67 95	69 75

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

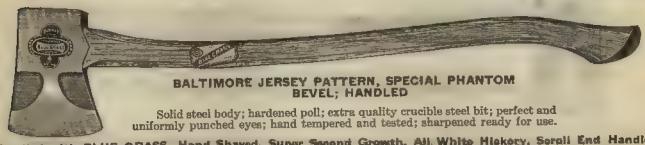
Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 216-6—Octagon handle No. 216-7—Oval handle	Per Doz	$63 90	65 40	67 20	69 00

Handled with PRIDE OF KENTUCKY, Hand Shaved, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 216-63—Octagon handle No. 216-64—Oval handle	Per Doz	$61 35	63 15	64 95	66 75

DAYTON PATTERN SPECIAL PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 216	Per Doz	$45 30	47 10	48 90	50 70



BALTIMORE JERSEY PATTERN, SPECIAL PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 246-40—Octagon handle No. 246-50—Oval handle	Per Doz	$64 35	66 15	67 95	69 75

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 246-6—Octagon handle No. 246-7—Oval handle	Per Doz	$63 90	65 40	67 20	69 00

Handled with PRIDE OF KENTUCKY, Hand Shaved, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 246-63—Octagon handle No. 246-64—Oval handle	Per Doz	$61 35	63 15	64 95	67 75

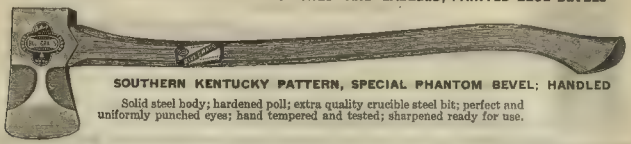
BALTIMORE JERSEY PATTERN, SPECIAL PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 246	Per Doz	$45 30	47 10	48 90	50 70

All of above axes packed one dozen in wood box.

AXES

—BLUE GRASS—SINGLE BIT. FULL POLISHED AND LABELED, PAINTED BLUE BEVELS



SOUTHERN KENTUCKY PATTERN, SPECIAL PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226-40—Octagon handle }	Per Doz	$66 15	67 95	69 75	69 75
No. 226-50—Oval handle					

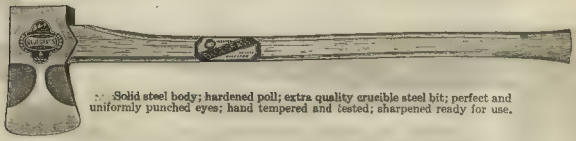
Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226-6—Octagon handle }	Per Doz	$65 40	67 20	69 00	69 00
No. 226-7—Oval handle					

Handled with PRIDE OF KENTUCKY, Hand Shaved, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226-63—Octagon handle }	Per Doz	$63 15	64 95	66 75	66 75
No. 226-64—Oval handle					

SOUTHERN KENTUCKY PATTERN, SPECIAL PHANTOM BEVEL; HANDLED



Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226-41—Octagon handle }	Per Doz	$66 15	67 95	69 75	69 75
No. 226-51—Oval handle					

Handled with PRIDE OF KENTUCKY, Hand Shaved, Straight Pattern, White Hickory, Plain End Handle.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226-66—Octagon handle }	Per Doz	$63 15	64 95	66 75	66 75
No. 226-67—Oval handle					

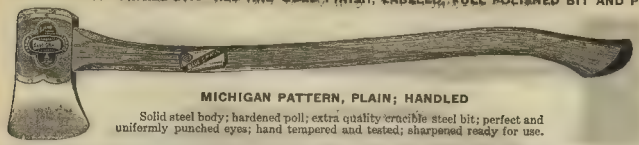
SOUTHERN KENTUCKY PATTERN, SPECIAL PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 226	Per Doz	$47 10	48 90	50 70	50 70

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL



MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 151-40—Octagon handle	Per Doz	$62 55	62 55	64 35	66 15	67 95
No. 151-50— Oval handle						

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 151-6—Octagon handle	Per Doz	$61 80	61 80	63 60	65 40	67 20
No. 151-7 Oval handle						

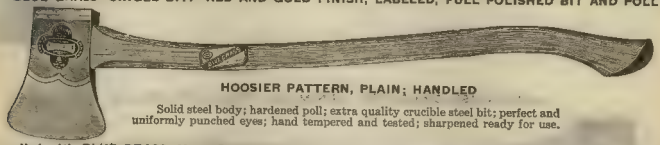
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 151-63—Octagon handle	Per Doz	$59 55	59 55	61 35	63 15	64 95
No. 151-64—Oval handle						

MICHIGAN PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs.		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 151	Per Doz	$43 50	43 50	45 30	47 10	48 90

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL



HOOSIER PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs.		3½ to 4½	4 to 5
No. 161-40—Octagon handle	Per Doz	$65 25	67 05
No. 161-50—Oval handle			

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs.		3½ to 4½	4 to 5
No. 161-6—Octagon handle	Per Doz	$64 50	66 30
No. 161-7 Oval handle			

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5
No. 161-63—Octagon handle	Per Doz	$63 45	65 25
No. 161-64—Oval handle			

HOOSIER PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs.		3½ to 4½	4 to 5
No. 161	Per Doz	$45 20	48 00

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. GUN METAL FINISH AND LABELED

DAYTON PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 411-40—Octagon handle No. 411-50 —Oval handle	Per Doz	$62 55	64 35	66 15	67 95	67 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 411-6—Octagon handle No. 411-7 —Oval handle	Per Doz	$61 80	63 60	65 40	67 20	67 20

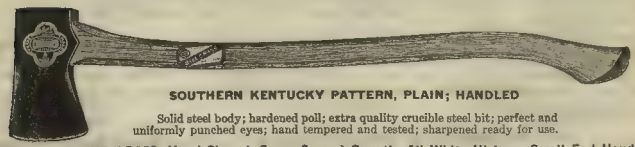
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 411-63—Octagon handle No. 411-64 —Oval handle	Per Doz	$59 55	61 35	63 15	64 95	64 95

DAYTON PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 411	Per Doz	$43 50	45 30	47 10	48 90	48 90

—BLUE GRASS—SINGLE BIT. GUN METAL FINISH AND LABELED



SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421-40—Octagon handle No. 421-50—Oval handle	Per Doz	$64 35	66 15	67 95	67 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421-6—Octagon handle No. 421-7 —Oval handle	Per Doz	$63 60	65 40	67 20	67 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421-63—Octagon handle No. 421-64—Oval handle	Per Doz	$61 35	63 15	64 95	64 95

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. GUN METAL FINISHED AND LABELED

SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

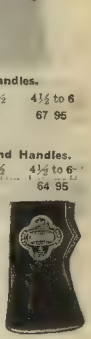
Handled with BLUE GRASS, Hand Shaved Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421-41—Octagon handle }	Per Doz	$64 35	66 15	67 95	67 95
No. 421-51—Oval handle }					

Handled with PRIDE OF KENTUCKY, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

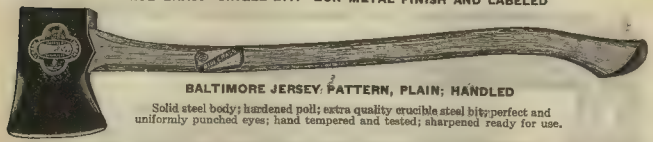
Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421-68—Octagon handle }	Per Doz	$61 35	63 15	64 95	64 95
No. 421-67 Oval handle }					

SOUTHERN KENTUCKY PATTARN, PLAIN; UNHANDLED



Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 421	Per Doz	$45 30	47 10	48 90	48 90

—BLUE GRASS—SINGLE BIT. GUN METAL FINISH AND LABELED



BALTIMORE JERSEY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 441-40—Octagon handle }	Per Doz	$62 55	62 55	64 35	66 15	67 95
No. 441-50 Oval handle }						

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 441-6—Octagon handle						
No. 441-7 —Oval handle	Per Doz	$61 80	61 80	63 60	65 40	67 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 441-63—Octagon handle }	Per Doz	$59 55	59 55	61 35	63 15	64 95
No. 441-64—Oval handle }						

BALTIMORE JERSEY PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 441	Per Doz	$43 50	43 50	45 30	47 10	48 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. GUN METAL FINISH AND LABELED.

MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 451-40—Octagon handle	Per Doz	$62 55	64 35	66 16	67 95
No. 451-50—Oval handle					

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 451-6—Octagon handle	Per Doz	$61 80	63 60	65 40	67 20
No. 451-7—Oval handle					

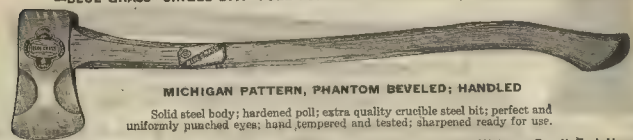
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 451-63—Octagon handle	Per Doz	$59 55	61 35	63 15	64 95
No. 451-64—Oval handle					

MICHIGAN PATTERN, PLAIN; UNHANDLED

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 451	Per Doz	$43 50	45 30	47 10	48 90

—BLUE GRASS—SINGLE BIT. FULL POLISHED AND ETCHED; POLISHED BEVELS



MICHIGAN PATTERN, PHANTOM BEVELED; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

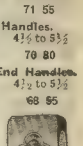
		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 254-40—Octagon handle	Per Doz	$66 15	67 95	69 75	71 55
No. 254-50—Oval handle					

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 254-6—Octagon handle	Per Doz	$65 40	67 20	69 00	70 80
No. 254-7—Oval handle					

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 254-63—Octagon handle	Per Doz	$63 15	64 95	66 75	68 95
No. 254-64—Oval handle					



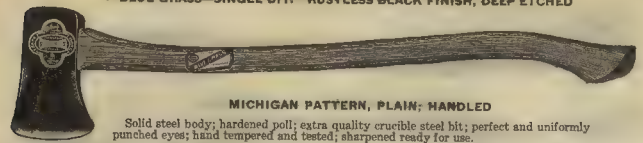
MICHIGAN PATTERN, PHANTOM BEVELED; UNHANDLED

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 254	Per Doz	$47 10	48 90	50 70	52 50

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RUSTLESS BLACK FINISH, DEEP ETCHED



MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wt (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 351-40—Octagon handle No. 351-50 Oval handle	Per Doz	$66 15	67 95	69 75

Handled with BELKNAP SPECIAL, Hand Shaved, White Second Growth Hickory, Scroll End Handles.

Wt (assorted), lbs.		3 to 4	3½ to ½	4 to 5
No. 351-6—Octagon handle No. 351-7 Oval handle	Per Doz	$65 40	67 20	69 00

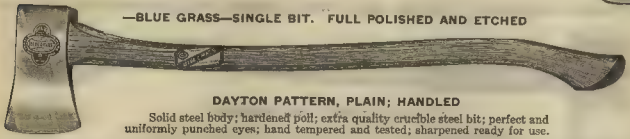
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 351-63—Octagon handle No. 351-64—Oval handle	Per Doz	$63 15	64 95	66 75

MICHIGAN PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 351	Per Doz	$47 10	48 90	60 70

—BLUE GRASS—SINGLE BIT. FULL POLISHED AND ETCHED



DAYTON PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 211-40—Octagon handle No. 211-50—Oval handle	Per Doz	$64 35	66 15	67 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 211-6—Octagon handle No. 211-7 —Oval handle	Per Doz	$63 60	65 40	67 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 211-63—Octagon handle No. 211-64—Oval handle	Per Doz	$61 35	63 15	64 95

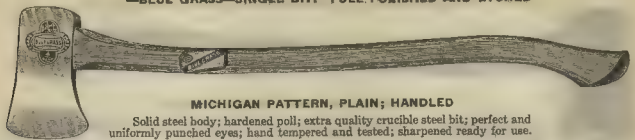
DAYTON PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 211	Per Doz	$45 30	47 10	48 60

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. FULL POLISHED AND ETCHED



MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 251-40—Octagon handle	Per Doz	$64 35	66 15	67 95
No. 251-50—Oval handle				

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 251-6—Octagon handle	Per Doz	$63 60	65 40	67 20
No. 251-7—Oval handle				

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 251-63—Octagon handle	Per Doz	$61 35	63 15	64 95
No. 251-64—Oval handle				

MICHIGAN PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 251	Per Doz	$45 30	47 10	48 60

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED. FULL POLISHED BIT AND POLL

DAYTON PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 111-40—Octagon handle	Per Doz	$62 55	62 55	64 35	66 15	67 95	67 95
No. 111-50—Oval handle							

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 111-6—Octagon handle	Per Doz	$61 80	61 80	63 60	65 40	67 20	67 20
No. 111-7—Oval handle							

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 111-63—Octagon handle	Per Doz	$59 55	59 55	61 35	63 15	64 95	64 95
No. 111-64—Oval handle							

DAYTON PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 111	Per Doz	$43 50	43 50	45 30	47 10	48 90	48 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT, FULL POLISHED AND LABELED, PAINTED BLUE BEVELS

MICHIGAN PATTERN, SPECIAL PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 256-40—Octagon handle / No. 256-50—Oval handle — Per Doz	$64 35	64 35	66 15	67 95	69 75

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 256-6—Octagon handle / No. 256-7 Oval handle — Per Doz	$63 90	63 90	65 40	67 20	69 00

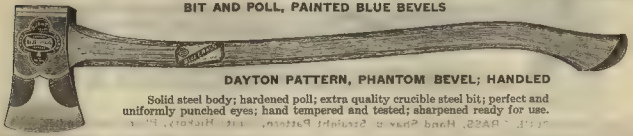
Handled with PRIDE OF KENTUCKY, Hand Shaved, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 256-63—Octagon handle / No. 256-64—Oval handle — Per Doz	$61 35	61 35	63 15	64 95	66 75

MICHIGAN PATTERN, SPECIAL PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs.	3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 256 — Per Doz	$45 30	45 30	47 10	48 90	50 70

—BLUE GRASS—SINGLE BIT. RED AND GOLD BODY, LABELED FULL POLISHED BIT AND POLL, PAINTED BLUE BEVELS



DAYTON PATTERN, PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 113-40—Octagon handle / No. 113-50—Oval handle — Per Doz	$63 45	65 25	67 05	68 85

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 113-6—Octagon handle / No. 113-7—Oval handle — Per Doz	$62 70	64 50	66 30	68 10

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs.	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 113-63—Octagon handle / No. 113-64—Oval handle — Per Doz	$60 75	62 25	64 05	65 85

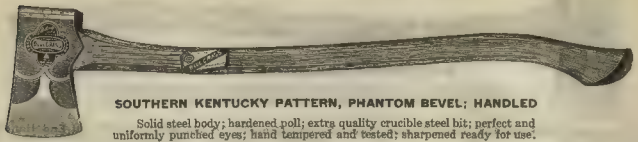
DAYTON PATTERN, PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs.	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 113 — Per Doz	$44 40	46 20	48 00	49 80

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RED AND GOLD BODY, LABELED, FULL POLISHED BIT AND POLL, PAINTED BLUE BEVELS



SOUTHERN KENTUCKY PATTERN, PHANTOM BEVEL; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123-40—Octagon handle No. 123-50 Oval handle	Per Doz	$65 25	67 05	68 85

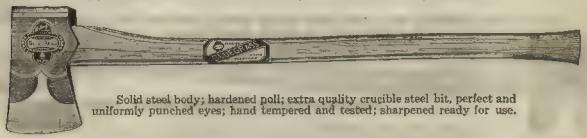
Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123-6—Octagon handle No. 123-7 Oval handle	Per Doz	$64 50	66 30	68 10

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123-63—Octagon handle No. 123-64—Oval handle	Per Doz	$62 25	64 05	65 85

SOUTHERN KENTUCKY PATTERN, PHANTOM BEVEL; HANDLED



Solid steel body; hardened poll; extra quality crucible steel bit, perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123-41—Octagon handle No. 123-51—Oval handle	Per Doz	$65 25	67 05	68 85

Handled with PRIDE OF KENTUCKY, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123-68—Octagon handle No. 123-67—Oval handle	Per Doz	$62 25	64 05	65 85

SOUTHERN KENTUCKY PATTERN, PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½
No. 123	Per Doz	$46 20	48 00	49 80

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL

SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121-41—Octagon handle No. 121-51—Oval handle	Per Doz	$64 65	66 15	67 95	67 95

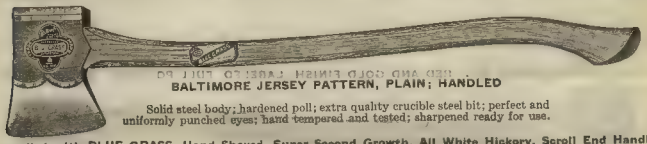
Handled with PRIDE OF KENTUCKY, Hand Shaved, Straight Pattern, White Hickory, Plain End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121-66—Octagon handle No. 121-67—Oval handle	Per Doz	$61 35	63 15	64 95	64 95

SOUTHERN KENTUCKY PATTERN PLAIN; UNHANDLED

Wts (assorted), lbs	3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121 Per Doz	$45 30	47 10	48 90	48 90

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL



BALTIMORE JERSEY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 141-40—Octagon handle No. 141-50—Oval handle	Per Doz	$62 55	62 55	64 35	66 15	67 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 141-6—Octagon handle No. 141-7—Oval handle	Per Doz	$61 80	61 80	63 60	65 40	67 35

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 141-63—Octagon handle No. 141-64—Oval handle	Per Doz	$59 55	59 55	61 35	63 15	64 95

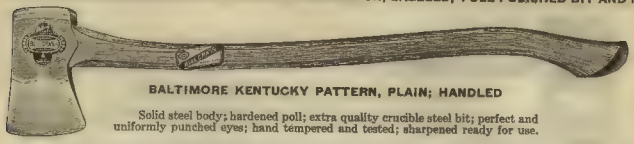
BALTIMORE JERSEY PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 141	Per Doz	$43 50	43 50	45 30	47 10	48 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS— SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL



BALTIMORE KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 131-40—Octagon handle	Per Doz	$62 55	64 35	66 15	67 95
No. 131-50—Oval handle					

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 131-6—Octagon handle	Per Doz	$61 80	63 60	65 40	67 20
No. 131-7—Oval handle					

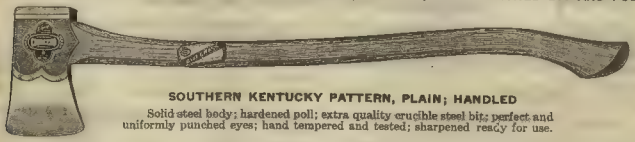
Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 131-63—Octagon handle	Per Doz	$59 85	61 35	63 15	64 95
No. 131-64—Oval handle					

BALTIMORE KENTUCKY PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 131	Per Doz	$43 50	45 30	47 10	48 90

—BLUE GRASS—SINGLE BIT. RED AND GOLD FINISH, LABELED, FULL POLISHED BIT AND POLL



SOUTHERN KENTUCKY PATTERN, PLAIN; HANDLED

Solid steel body; hardened poll; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121-40—Octagon handle	Per Doz	$64 65	66 15	67 95	67 95
No. 121-50—Oval handle					

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory, Scroll End Handles.

Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121-6—Octagon handle	Per Doz	$63 60	65 40	67 20	67 20
No. 121-7 Oval handle					

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory, Scroll End Handles.

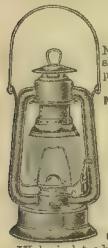
Wts (assorted), lbs		3½ to 4½	4 to 5	4½ to 5½	4½ to 6
No. 121-63—Octagon handle	Per Doz	$61 35	63 15	64 95	64 95
No. 121-64—Oval handle					

All of above axes packed one doz in wood box.

LANTERNS
—BLUE GRASS—

Our line of Blue Grass lanterns has been selected with the utmost care.

While most attractive in appearance we have considered their light giving properties and their substantial construction as of prime importance, eliminating fancy frills and doubtful talking points which did nothing but extra cost to dealer and consumer.



Cold Blast.

IX bright charcoal tin; No. 2 cold blast steel burner; 1 inch wick; short globe; side lift; large brass filler cap; positive standing bail; extra large fount.

Per Doz

No. BG22I—Diam base 8 ins; height over all with bail down 14¾ ins; 10 gauge steel wire bail; oil capacity 2 pts; will burn 48 hours..... $41 25

(Sold in full case lots only.)

Half doz in carton; wt per doz 40 lbs.

Cold Blast.

IX bright charcoal tin; No. 2 cold blast steel burner; 1 inch wick; short globe; side lift; large filler cap; positive standing bail.

Diameter base 7 inches; height over all with bail down 14¼ inches; 10 gauge steel wire bail; oil capacity 1½ pints; will burn 35 hours.

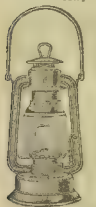
Per Doz

No. BG22—IX bright charcoal tin fount; wt per doz 33 lbs..... $37 80

No. BG32—Brass fount; wt per doz 37 lbs..... 51 75

(Sold in full case lots only.)

Half doz in carton.



Cold Blast.

IX bright charcoal tin, No. 1 cold blast steel burner; ⅝ inch wick; Little Wizard globe; standing steel wire bail; side lift; large oil fount and oil filler, patented top and fluted globe plate. Diameter base 6¼ inches; height with bail down 12½ inches; oil capacity 1 pint, will burn 21 hours.

Per Doz

No. BG12—With clear globes, one doz in carton..... $24 00

No. BG12R—With ruby globes, half doz in carton..... 30 75

Wt per doz 26 lbs.

Cold Blast.

IX bright charcoal tin; No 2 cold blast steel burner; 1 inch wick; side lift; large filler cap; positive standing bail.

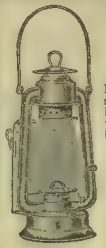
Per Doz

No. BG2CB—Diam base 6¼ ins; height over all with bail down 15 ins; 10 gauge steel wire bail; oil capacity 1¼ pts; will burn 30 hours..... $37 80

(Sold in full case lots only.)

Half doz in carton; wt per doz 40 lbs.

LANTERNS
—BLUE GRASS—



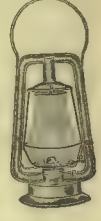
Dash, Cold Blast.

IX charcoal tin, enameled red. No. 2 cold blast steel burner; 1 inch wick; side lift; large filler cap; positive standing bail; bull's eye globe; dash attachment; polished tin reflector.

Per Doz

No. BG2D—Diam base 6¼ ins; height over all with bail down 15 ins; 10 gauge steel wire bail; oil capacity 1¼ pts; will burn 30 hours..... $51 75

Half doz in carton; wt per doz 50 lbs



Tubular.

Bright charcoal tin. No. 1 steel burner; ⅝ inch wick; side lift; large filler cap.

Diam base 6¼ ins; height over all with bail down 13¼ ins; 10 gauge wire bail; oil capacity 1 pt; will burn 20 to 25 hours.

Per Doz

No. BG0½—Half doz in case.... $22 95

No. BG0-1—One doz in case.... 22 05

(Sold in full case lots only.)

Wt per doz 30 lbs.

Dash, Tubular.

IX tin, enameled red. No. 1 steel burner; ⅝ inch wick; side lift; large filler cap; plain globe; polished tin reflector.

Per Doz

No. BG0D—Diam base 6¼ ins; height over all with bail down 13¼ ins; 10 gauge wire bail; oil capacity 1 pt; will burn 25 hours..... $37

(Sold in full case lots only.)

Half doz in carton; wt per doz 35 lbs.

DIETZ

D. Lite.

The short globe type of lanterns with the exposed wick directly accessible for cleaning, trimming and lighting. They can be filled, lighted and regulated without removing globe. Dome shaped solderless oil founts; heavy gauge cross wire globe guards; polished steel bail hooked into patent brass eyelets.

D. Lite, Large Fount.

Bright tin finish; No. 2 Dietz special burner; 1 inch wick; side lift; upright bail.

Special features of this lantern are the extra large fount and the patented "Loc-Nob" globe. The globe actually locks fast, and will not drop out when globe holder is tipped back.

Per Doz

No. 2DDL—Height over all with bail down 13½ ins; oil fount capacity 32 ozs; 10 candle power..... $47 25

(Sold in full carton lots only.)

Half doz in carton; wt per doz 42 lbs.

MILL PICKS

—BLUE GRASS—

Extra quality crucible steel, with blue body and polished bits.

Nos.	B61½	B61¾	B62
Wt each, lbs	1½	1¾	2
Length over all, ins	7½	8¼	8½
Width cut, ins	1⅝	1¼	1⅝
Wt doz, lbs	18	21	24
Per Doz	$24 00	28 50	31 50

One doz in wood box.

TRACK TOOLS

Special high grade steel, carefully tempered and tested; natural finish.

SPIKE MAULS

Oval eye; standard pattern; length 12 inches.

Nos.	6-8	6-10
Wt each, lbs	8	10
Per 100 Lbs	$32 25	32 25

Packed loose.

TRACK CHISELS

Per 100 lbs

No. 1—Oval eye; cold chisel bit 1¼ ins wide; length 8½ ins $75 00

Packed loose; wt each 4½ lbs.

SPECIAL RAILROAD CLAY PICKS

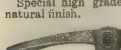
Adze eye; special high grade steel, natural finish; well balanced. For railroads, traction companies, mines, etc.

Nos.	7-7	7-8
Length, ins	24	26
Wt each, lbs	7	8
Per Doz	$22 05	24 45

Two doz in wood box.

Special high grade steel, carefully tempered and tested, natural finish.

TAMPING PICKS



Adze eye; hard sharp points; V tamper.

Nos.	2-7	2-8
Wt each, lbs	7	8
Length over all, ins	23½	24
Per Doz	$27 75	29 25

Two doz assorted in wood box; wt $00 lbs.

RAIL TONGS

Per 100 lbs

No. 11—Length each arm 19 ins; drop 9½ ins; solid steel bolt $36 75

Packed loose; wt each 18 lbs.

TRACK WRENCHES

Socket ¾ inches thick.

Nos.	14-1¼	14-1⅜	14-1½
For nuts, ins	1¼	1⅜	1½
Length handle, ins	26	26	28
Wt each, lbs	6	7	8
Per 100 lbs		$29 25	

Packed loose.

TRACK TOOLS

RAIL FORKS

Per 100 lbs

No. 12—Length 2½ ft; width slot ¾ in; 1⅜ in. thick ..... ✤$28 80

Packed loose; wt each 20 lbs.

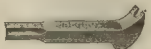
LINING BARS

Per 100 lbs

No. 9—Wedge point $24 00

Packed loose; wt each 25 lbs.

CLAW BARS



Per 100 lbs

No. 4—With heel, length 5 ft; for ⅞ in. spikes $29 40

Packed loose; wt each 28 to 30 lbs.

TAMPING BARS

Per 100 lbs

No. 10—Width tamping bar 3⅜ ins; ⅞ in. thick; bent heel; length over all 5½ ft. ..... ✤$27 00

Packed loose; wt each 12 lbs.

NUT LOCKS

Used to prevent nuts on locomotives, cars, etc., from expanding or loosening.

Plain.

Best spring steel, oil tempered and polished.

Nos.	1	2	3	4	5
Size, in	½	⅝	¾	⅞	1
Steel, in	11/16x31/64	½x5/16	½x¼	9/16x⅜	⅝x5/16
Wt per 1000, lbs	28	50	67	84	146
Per 1000	$14 25	27 00	33 75	45 00	70 50

½ to ¾, 1000, ⅞ and 1 in, 500 in wood box.

Positive.

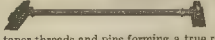
Best spring steel, oil tempered and polished.

Nos.	30	40	50
Size, in	¾	⅞	1
Steel, in	⅝x⅜	⅝x5/16	⅝x5/16
Wt per 1000, lbs	91	130	146
Per 1000	$53 25	71 25	75 75

½ and ½, 1000; ⅞ and 1 in, 500 in wood box.

TRACK GAUGES

HUNTINGTON



Wrought iron, gas pipe stem; malleable iron heads fastened by taper threads and pins forming a true right angle; inaccuracies at frogs, curves and switches obviated. Per Doz

No. 5—Length 66½ ins $78 00

Packed loose; wt per doz 140 lbs.

✤F. O. B. Pennsylvania Factory Only.

TRACK LEVELS

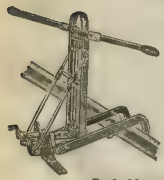
White pine with steel band; painted and varnished, spirit level set in top and protected by handle; one end cut in steps and used to obtain proper elevation at curves. Each

No. 10—Length 6¼ ft., 5 ins wide $6 45

One doz in box; wt each 8 lbs.

TRACK DRILLS

PAULUS



Malleable iron frame, requires no adjustment, can be instantly thrown back out of way of passing trains; automatic feed permits drilling of heaviest rail without stopping. May be used on angle bars, steel girders, etc. Height 33 inches; width 9⅛ inches; width of foot plate 22 inches; length handles 11 inches. Each

No. 1—For drill bits having 2¼x4¼ in. round shank; our Blue Grass No. 403 ..... $72 00

Packed loose; wt each 100 lbs.

RATCHET RAIL BENDERS

Steel screw, machine cut; square threads, three to the inch. Malleable iron ratchet plates, forged steel milled ratchets. Malleable cap to fit rails.

Nos.	Each	Capacity Size of Rails	Span of Hooks, Ins	Diam of Screws, Ins	Wt Each, Lbs
5	✣$135 00	160	28	2⅝	200
4	✣ 121 50	85	28	2⅝	160
3	✣ 88 50	75	24	2½	120
2	✣ 67 50	50	20	2⅛	90
1	✣ 57 75	25	16	2	70
0	✣ 48 75	16	14	1¾	50
00	✣ 56 25	10	14	1⅝	40

Packed loose.

RAIL BENDERS

JIM CROW

Best wrought iron machine cut square threads; steel screw. Benders furnished less bar as shown in illustration.

Nos.	B	C	D	E
Bends rail lbs	75	50	25	16 to 20
Span of claw, ins	24	20	16	14
Wt, lbs	115	85	65	40
Each	✣$55 50	52 50	38 55	29 25

Packed loose.

✣Ratchet Rail Benders, F. O. B. Indiana Factory Only.

✣No. B Rail Bender, F. O. B. Illinois Factory Only.

CROW BARS

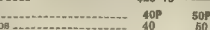
Pinch Point. Solid cast steel, oil finish; for general use.

Nos.	10P	12P	14P	16P	18P
Wt each, lbs	10	12	14	16	18
Length, ft	4	4½	4½	4⅝	5
Size points, ins	1x1	1⅛x1⅛	1⅛x1⅛	1¼x1¼	1¼x1¼
Per 100 Lbs			$20 10		

Nos.	20P	22P	25P	30P	35P
Wt each, lbs	20	22	25	30	35
Length, ft	5½	5½	5½	6⅛	6½
Size point, ins	1¼x1¼	1¼x1¼	1⅜x1⅜	1½x1½	1⅝x1⅝
Per 100 Lbs			$20 10		

Nos.	40P	50P	60P
Wt each, lbs	40	50	60
Length, ft	7	7½	7⅞
Size point, ins	1⅝x1⅝	1¾x1¾	1⅞x1⅞
Per 100 Lbs	✣$20 10	✣$24 00	✣$26 10

Packed loose.



Wedge Point. Solid cast steel, oil finish; for general use.

Nos.	10W	12W	14W	16W	18W
Wt each, lbs	10	12	14	16	18
Length, ft	4	4½	4½	4⅝	5
Size points, ins	1x1	1⅛x1⅛	1⅛x1⅛	1¼x1¼	1¼x1¼
Per 100 Lbs			$20 10		

Nos.	20W	25W	30W	35W	40W
Wt each, lbs	20	25	30	35	40
Length, ft	5½	5½	6½	6½	7
Size points, ins	1¼x1¼	1¾x1¾	1½x1½	1½x1½	1⅝x1⅝
Per 100 Lbs	$20 10	20 10	✣20 10	✣20 10	✣20 10

Packed loose.

CAR WRENCHES

ADVANCE SAFETY

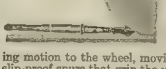
Cast steel black japanned finish; maple handle natural finish. Automatically adjusts itself for attaching to any size winding tap on standard drop bottom cars. Each

No. 50SCW—Length of handle 52 ins; wt each 14 lbs ..... ✣$15 75

Packed loose.

CAR MOVERS

NEW BADGER



Cast steel, black japanned finish; natural finish select northern maple handle. A combination of a pinch bar and toggle action which provides great force, importing a turning motion to the wheel, moving car forward. Equipped with slip-proof spurs that grip the unpolished edges of rail eliminating the possibility of mover slipping. Each

No. 5—Length handle 53 ins $16 50

Packed loose; wt each 18 lbs.

EXTRA SPURS

For No. 5 car movers. Per Set

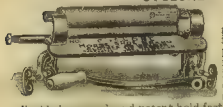
No. 22—Two Slip-proof safety spurs $1 65

Packed loose; wt per set 4 ozs.

✣Crow Bars, F. O. B. Pennsylvania Factory Only.

✣Car Wrenches, F. O. B. Wisconsin Factory Only.

CLOTHES WRINGERS
—CYCLONE—



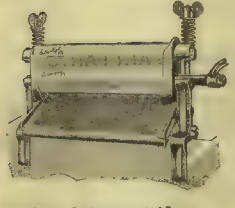
Plain bearings, galvanized malleable iron frame; hard maple apron; high grade rubber rolls with ⅝ inch steel shaft; without pressure relief screws; galvanized malleable iron crank and patent hold fast, swinging tub clamps, open 1½ inches; wood handle. **Rolls warranted for one year.**

Each

No. 100C—Length rolls 10 ins; diam 1¾ ins; height frame 6½ ins; length frame 16¾ ins $9 30

Quarter doz in carton; wt per doz 156 lbs.

BRIDE'S DELIGHT



Galvanized malleable iron frame that fits round or stationary tubs. Equipped with dual pressure control, and reversable drainboard; galvanized malleable iron tub clamps and crank. High grade rust proof rubber rolls. Length rolls 11 inches; diameter 1¾ inches; height frame 11 inches; length 17 inches.

Each

No. A501—Rolls warranted 5 yrs $15 90
No. A301—Rolls warranted 3 yrs 14 40

Quarter doz in carton; wt each 18 lbs.

KEYSTONE

Varnished hard maple frame and hinged apron; high grade rubber rolls with ⅝ inch steel shaft; enclosed cog wheels; heavy vertical coil tension in each end; galvanized malleable iron crank and patent hold fast swinging tub clamps, open 1½ inches; relief screws at each end; wood handle. Plain bearings. **Rolls warranted three years.**

Each

No. 310E—Length of rolls 10 ins; diam 1¾ ins; height of frame 14 ins; length of frame 17 ins $15 00

CLOTHES WRINGERS

RIVAL

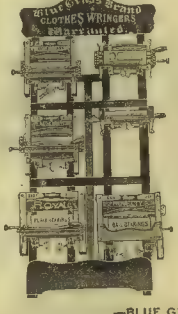
Plain bearings, varnished hard maple frame and hinged apron; fitted with high grade rubber rolls, with ⅝ inch steel shaft; exposed cog wheels at each end; flat steel arched pressure spring; galvanized malleable iron crank and patent hold fast, swinging tub clamps, open 1½ inches; relief screws at each end; wood handle. **Rolls warranted one year.**

Each

No. 100—Length of rolls 10 ins; diam 1¾ ins; height of frame 14 ins; length 12 ins $12 75

Quarter doz in carton; wt per doz 244 lbs.

CLOTHES WRINGER ASSORTMENTS



These stands are strong and well made, finished in bright colors with attractive lettering.

The wringers fasten to brass hooks and are easily taken from or placed on the stands.

The stands are made on the easel style and can be easily folded up. Stand is 5 feet high and occupies 29x28 inches floor space. Assortment consists of the following wringers.

—BLUE GRASS—

No. 130—Size of rolls 10x1¾ ins; malleable iron frame; coil pressure springs; warranted one year.

No. 24—Size of rolls 10x1¾ ins; frame made of hard maple; plain bearings; warranted one year.

No. 320—Size of rolls 10x1¾ ins; hard maple frame; ball-bearings; warranted three years.

No. 390-E—Size of rolls 10x1¾ ins; hard maple frame; ball-bearings, cog wheels on inside of frame covered with shield; warranted three years; especially recommended for satisfactory service.

—CYCLONE—

No. 100—Size of rolls 10x1¾ ins malleable iron top clamps; horse-shoe steel springs; warranted one year.

ROYAL

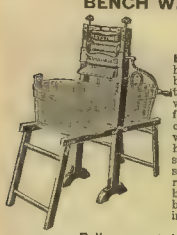
No. 517E—Length of rolls 10 ins; diam rolls 1¾ ins; height frame 14 ins; length frame 17 ins; guaranteed 5 years.

Per Ass't

No. 6—Ass't consists of 6 wringers and display stand as described above $84 00

Stand crated; wringers boxed; wt per ass't 150 lbs.

BENCH WRINGERS



KEYSTONE

Enclosed cog wheels, Steel ball-bearings. Varnished hardwood bench; adjustable braces; accomodates two large tubs or one tub and basket; when not in use bench can be folded. Reversible drain-board conducts water to either side of wringer. Wringer fitted with high grade rubber rolls, ⅝ in steel shaft; two spiral pressure springs enclosed cog wheels; relief screw at each end, reversible apron; oscillating drainboard; galvanized malleable iron crank with wood handle.

Rolls warranted three years.

Each

No. B318E—Rolls 11x1¾ ins; length frame 44½ ins; width frame 15½ ins; height frame 46½ ins..... $27 75

One in crate; wt per doz 528 lbs.

UNIVERSAL

Enclosed gears, Steel ball-bearings. Varnished hardwood bench; accomodates two large tubs. Can be folded when not in use. Reversible drain-board permits operation of wringer in either direction and conducts water to either side of wringer. Wringer fitted with good quality rubber rolls, ⅝ in steel shaft; elliptical springs; enclosed cog wheels; relief screw at each end; reversible apron; oscillating drainboard; galvanized malleable iron crank with wood handle.

Rolls warranted three years.

Each

No. B381E—Rolls 11x1¾ ins; length frame 44½ ins; width frame 15½ ins; height frame 46½ ins..... $27 00

One in crate; wt per doz 528 lbs.

—BLUE GRASS—

Enclosed Cog Wheels, Steel Ball-Bearings. Varnished hardwood bench, with patent adjustable braces; large enough to accommodate two large tubs. When not in use folds up, taking but little more room than an ordinary wringer.

Fitted with extra high grade rubber rolls, ⅝ inch steel shaft, spiral pressure spring; enclosed cog wheels; relief screw at each end; reversible apron; oscillating drain board; galvanized malleable iron crank with wood handle.

Rolls warranted three years.

Nos.	BG317E	BG318E
Rolls, ins	10x1¾	11x1¾
Length frame, ins	44½	44½
Width frame, ins	18	15½
Height frame, ins	46	46½
Wt per doz, lbs	600	600
Each	$26 25	27 75

One in crate.

BENCH WRINGER STANDS

—BLUE GRASS—

Hard maple frame, natural wood finish; galvanized iron braces; apron is reversible so that it may be used on either side; a wringer of most any pattern may be clamped to this bench. The bench will hold two tubs or a tub and a clothes basket; when not in use it can be folded with wringer attached; length over all 45 ins; height 46 ins; width 12 ins.

Each

No. 147—Wt per doz 372 lbs..... $9 75

Quarter doz in crate.

WRINGER REPAIR PARTS

TUB CLAMPS

Each

No. 7—Galvanized malleable iron; for wringers Nos. 02 Little Giant, 2 Cyclone and 10M Marvel..... $0 81

Packed loose; wt each about ¾ lb.

Each

No. 4—Galvanized malleable iron; for wringer Blue Grass Nos. 22, 43 and 44 and 330 Relief..... $1 20

Packed loose; wt each about 1 lb.

Each

No. 3—Galvanized malleable iron; will fit all wood frame wringers except Challenge and Squeezers..... $0 81

Packed loose; wt each about 1¼ lbs.

CRANK OR HANDLE

Each

No. 6—Galvanized malleable iron, with wood grip; will fit all family size wringers..... $0 90

Packed loose; wt each about 1¼ lbs.

RELIEF SCREW

Each

No. 5—Galvanized malleable iron; will fit wood frame wringers..... $0 30

Packed loose; wt each about ¼ lb.

TUB CLAMP SCREW AND BUTTON

Each

No. 9—Galvanized malleable iron; for all wringers..... $0 45

Packed loose; wt each about ½ lb.

Junior Bicycles

Each

N75126—BOYS' BICYCLE—Equipped with ball bearing wheels, ribbed tread tires, adjustable nickel plated handle bar, rubber grips, leather motorcycle type saddle. Height of frame, 15 inches, distance from saddle to pedals, 29 to 34 inches. Packed one in a crate.....43.00

Each

N75127—GIRL'S BICYCLE—Equipped with ball bearing wheels, ribbed tread tires, adjustable nickel plated handle bar, rubber grips, leather motorcycle type saddle. Height of frame, 15 inches, distance from saddle to pedals, 29 to 34 inches. Packed one in a crate.....43.00

Steel Wagons

Each

N75128—ALL STEEL COASTER—Steel roller brake, steel gear, steel handle, double disc wheels, ball bearing, rubber tires. Finished in royal blue enamel with red wheels. Length, 33½ inches.....12.50

Each

N75129—CHAMPION ALL STEEL FLYER—Full heavy gauge steel construction, ball bearing disc wheels with band type brake on right rear wheel. Finished in bright red enamel, wagon bed in black with nickeled steel steering arm. Rim of wagon bed is detachable. Length, 40 inches.....18.00

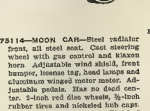
Automobiles

Dodge

Each

N75112—DODGE AUTOMOBILE—Steel radiator front, all steel seat. Cast steering wheel with gas control. Aluminum winged motor meter, front bumper, adjustable pedals. Has no dead center. 9-inch disc wheel, with ½-inch rubber tires and nickel-plated hub caps. Cantilever rear springs. Finished in bright red enamel, trimmed with black. Length over all, 33 inches.....14.50

Moon



Each

N75114—MOON CAR—Steel radiator front, all steel seat. Cast steering wheel with gas control and klaxon horn. Adjustable wind shield, front bumper, license tag, head lamps and aluminum winged meter meter. Adjustable pedals. Has no dead center. 9-inch red disc wheels, ⅜-inch rubber tires and nickeled hub caps. Cantilever rear springs. Finished in light green enamel, trimmed in red. Length over all, 33 inches.....13.00

Kne-Koster

GUIDES BY LEANING TO RIGHT OR LEFT

Each

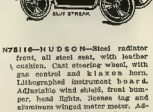
N75133—KNE-KOSTER—Light—Speedy—Durable. 26-inch coaster comes set up. Suitable for children from 4 to 14 years. Operated by placing one knee on the rear of the platform and pushing with the free leg. Double disc steel wheels (rubber tired). Wheels and trimmings in red, chassis in black. Each in a carton.....7.00

Oldsmobile

Each

N75115—OLDSMOBILE—Steel radiator front, all steel seat. Cast steering wheel, with gas control, klaxon horn. Adjustable wind shield, front bumper, head lamps, license tag and aluminum winged motor meter. Adjustable pedals, hand brake and trunk on rear of car. Has no dead center. Cantilever rear springs. 9-inch disc wheels, with ½-inch rubber tires and nickeled hub caps. Finished in bright red enamel, trimmed in black. Length overall, 36 inches.....22.00

Hudson



Each

N75116—HUDSON—Steel radiator front, all steel seat, with leather cushion. Cast steering wheel, with gas control and klaxon horn. Lithographed instrument board. Adjustable wind shield, front bumper, head lights, license tag and aluminum winged motor meter. Adjustable pedals. Has no dead center. Cantilever rear springs. 9-inch disc wheels, with ½-inch rubber tires and nickeled hub caps. Finished in light green enamel trimmed in orange, red wheels and black fenders and running boards. Length over all, 40 inches.....25.00

Diana

Each

N75117—DIANA ROADSTER—All steel chassis, body frame of hardwood, all metal hood and body. Cast steering wheel with sea-slip corrugated rubber rim, gas and spark control, klaxon horn and lithographed instrument board, leather cushion. Adjustable wind shield, windshield wiper, spot light, front bumper, head lamps, license tag and aluminum winged motor meter. Adjustable pedals. Has no dead center. Has hand brake and cantilever rear springs. 9-inch disc wheels, with 1-inch rubber tires and nickeled hub caps. Finished in two-tone green enamel, trimmed in yellow, green wheels and black fenders and running boards. Wheelbase 31 inches. Length over all, 44 inches...39.00

Kalamazoo Champion Coaster

2772103

KALAMAZOO CHAMPION COASTER—Runners are high carbon spring steel, turned up at the heel to permit the sled running backwards. Knees are extra heavy pressed steel, carefully selected wood work and the entire sled put together with rivets and screws. Tastily varnished and decorated.

Each

N75108—Length, 32 inches, width, 11¼ inches, height, 6 inches, 4 knees.....1.80

N75109—Length, 36 inches, width, 13½ inches, height, 6 inches, 4 knees.....2.20

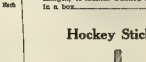
N75110—Length, 40 inches, width, 13½ inches, height, 6 inches, 4 knees.....2.67

N75111—Length, 45 inches, width, 14½ inches, height, 6 inches, 4 knees.....3.50

Each

N75112—Length, 50 inches, width, 14½ inches; height, 8¼ inches. 4 extra heavy knees and extra heavy steel runner 4.00

Sidewalk Skis



Per duo pair

N74486—SIDEWALK SKIS—Designed for the use of the small child not large enough to be allowed the regular ski. Natura finished hardwood with a high grade Spar varnish. Length, 40 inches. Packed one pair in a box.....16.00

Hockey Sticks

G9940 G9942 G9943

Each

G9940—BOYS' WAN-GARD HOCKEY STICKS—Made of rock elm, nicely finished and will stand plenty of hard play. Length of handles, 38 to 41 inches 2.00

G9941—PRACTICE HOCKEY STICK—Assorted models and sizes, and will stand considerable rough usage and practicing 16.00

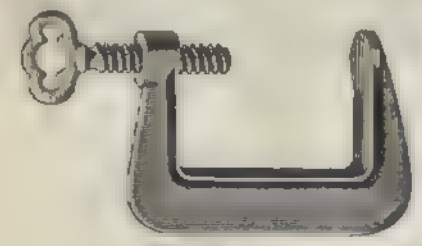
G9942—INTERMEDIATE HOCKEY STICK—Regulation size, standard model hockey stick designed especially for high school players. Has a narrow blade and is made out of rock elm 2.00

Each

G9943—AMATEUR HOCKEY GOAL STICK—A serviceable stick made from rock elm.....4.00

HOUSEHOLD AND JEWELERS' VISES.

QUILT FRAME CLAMPS.



Plain Head.

	Net per doz.
NO. 120—Malleable iron, japanned, opens 2½ in., weight 3 lbs. per dozen	$1.04

ONE DOZEN IN A BOX.

Swivel Head.

	Net per doz.
NO 121 — Malleable iron, japanned, wrought screw, swivel head, adapts itself to uneven surfaces, opens 2½ in., weight 4½ lbs. per dozen	$1.48
NO. 122—Opens 3½ in., otherwise same as No. 121, weight 6 lbs. per dozen	1.80

ONE DOZEN IN A BOX.

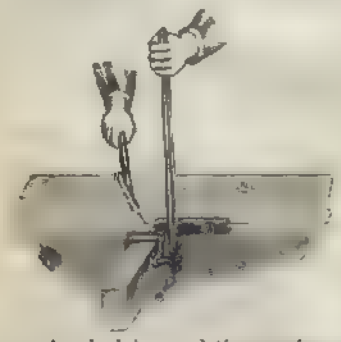
CARRIAGE MAKERS' CLAMPS.

Malleable Iron Frame, Swivel Head, Steel Screw

NO.	Opens	Weight per doz.	List per doz.	Net per doz.
4	4 in.	20 lbs.	$11.00	$8.20
6	6 in.	30 lbs.	18.00	13 20
8	8 in.	42 lbs.	28.00	20.60
10	10 in.	6[illegible] lbs.	36 00	26 80

HALF DOZEN IN A BOX.

FLOORING CLAMPS.



A very handy labor and time saving device for laying flooring; takes a 2 in. joist in a vise-like grip; instantly applied and released; no adjustment necessary; works fast.

	Net per doz.
NO. 1—Japanned malleable iron, length 16½ in., width over all 6½ in., weight 30 lbs. per dozen	$18.00

LOOSE.

COMBINATION.

YANKEE.

This vise is mounted on Swivel Base for use on bench, and its upper part is quickly detachable for use on Drill Press, Shaper, etc., and putting back again on Swivel Base.

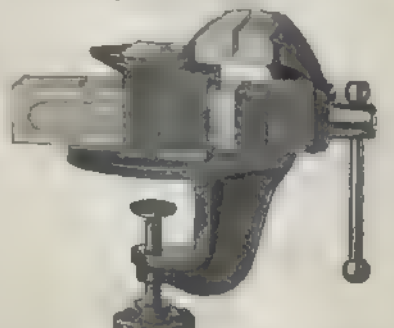
The Swivel Base on which the vise is mounted is easily and firmly locked or released by a short movement of lever on one side.

The Base has threebosses on under side to give a level bearing on bench.

	Net each
NO. 1991—Jaws 1½ in. wide, ½ in. deep, opens 1½ in., height with base 3⅜ in., length 4⅝ in. dia. of base 2½ in., weight 2½ lbs. each	$5.00
NO 1992 = Jaws 2 in. wide, 1½ in. deep, opens 2 in., height with base 4⅛ in., dia. of base 3½ in., length overall 6 in., weight 5½ lbs. each	7.50
NO 1993—Jaws 2½ in. wide, 1⅝ in. deep, opens 3½ in., Height with base 5½ in., length 8½ in., dia. of base 4½ in., weight 13½ lb each	12.50

LUTHER VISES.

QUALITY BUILT.



These vises have the following special features

Bronze Feed Screw Nut, made extra large and heavy. This is the heart of a vise and its wearing qualities are many times that of the usual cast iron construction.

Tool Steel Feed Screw, accurately machined from solid stock, larger and longer than used in similar vises.

Extra Wide Jaws, ¼ to ⅜ in. wider than most vises. Wide opening of jaws greatly increases their utility.

Parallel Slide Bar, this exclusive construction practically doubles strength of the slide bar.

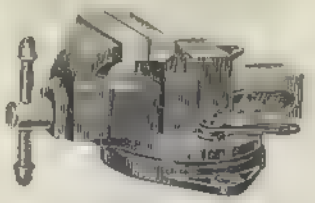
VISE NO.	V91½	V92	V92½	V93
Width of jaws	1½	2¼	2½	3¼ in.
Opening of jaws	1½	2¼	2½	3½ in
Weight each	4	6¼	10	13 lbs.
Net each	$2 38	3 28	4.48	6.30

NO. 4—Assortment containing

Amount	No.	List each	Total
5 only	V91½	$1 78	$8 50
3 only	V92	2 35	7 05
2 only	V92½	3 20	6 40
2 only	V93	4 50	9 00
		Total list value	$30 95

Total Cost to Dealer, complete with an attractive display stand $40.00

LUTHER SWIVEL BASE.



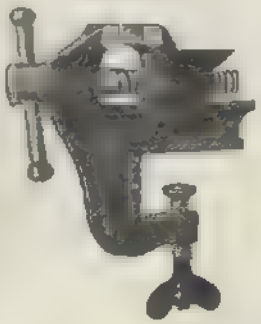
Just the size for light work around the house or private garage or in radio work shop. Attractive appearing being finished in red and black enamel. Constructed of gray iron with machine cut, one piece steel feed screw. Milled iron jaws, swivel base. Locks in any position.

	Net Each
NO. V10⅜—Jaws, 3-in. wide, open 2½ in. weight each 7 lbs.	$4.00

PACKED ONE IN A SHIPPING CARTON.

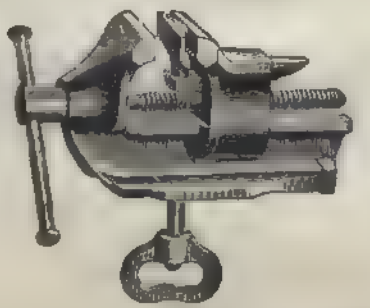
BONNEY.

Japanned Cast Iron Body, Steel Screw and Handle.



NO.	Jaws	Jaws	Weight each	Net Per doz.
01	1½ in.	iron	1½ lbs.	$12.48
2½	2 in.	steel	2½ lbs.	25.00
02½	2½ in.	iron	4 lbs.	29.00

NO.	Jaws	Jaws	Weight Each	Net per doz
3	2½ in.	steel	2½ lbs.	$33 60
5	2½ in.	iron	5 lbs.	56 00
7	2½ in.	steel	5 lbs.	69 40

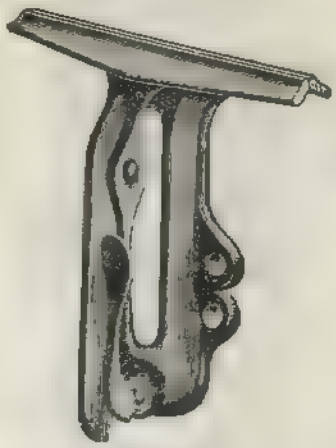


NO.	Jaws	Jaws	Weight Each	Net per doz.
8	2½ in.	steel, solid	5 lbs.	$56 00
9	2½ in.	steel, swivel	5 lbs.	69.40

SAW VISES.

Wentworth Pattern. Net per doz.

NO 30—To clamp to bench, adjustable, noiseless, malleable iron, japanned, 11 in. rubber cushioned jaws, malleable screw clamp, pivoted outer jaw with spring cam lever tightener, height above bench 6 in., height over all 11½ in., adjustable to swing forward, clamp opens 2 in., weight 72 lbs. per dozen **$31.20**



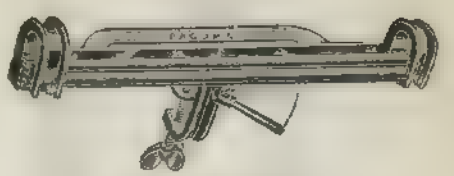
Stearns' Pattern. Net per doz

NO. 0—To screw to bench, malleable iron, japanned, 9 in. plain faced jaws, pivoted outer jaw with cam lever tightener, light pattern, height over all 8¾ in., takes four No. 12 screws, weight 36 lbs. per dozen..... ..... **$14.20**

Stearns. Net per doz.

NO. 11—Japanned, nickel plated guide, adjustable to three rigid positions, 16 in. flat steel guide bar, 10½ in. rubber cushioned jaws, screw clamp, complete with file, weight 105 lbs. per dozen **$75.40**

ONE IN A BOX.



PAGOMA

Folding, Wrought Steel, Black Enamel and Nickel Plated.

Made entirely of cold rolled steel, easily attached and detached, making a firm solid vise for filing or setting.

It is seated close down to the work and will not quiver, it is attached by clamp and when detached and folded takes up less room in tool chest and is lighter than any other saw vise made.

The Pagoma saw clamps show a very marked improvement in construction, material and workmanship, over any saw clamp heretofore offered, being made throughout of steel. It is light in weight, strong and serviceable.

Rubber Pad—With saw properly adjusted and set low down, the clamp is practically noiseless.

Binding Clamp—No hammer or screw driver needed. Quickly put up ready for use and saves time.

Eccentric Locking Bar—Will hold thick blades or thin ones, equally well by throwing the lever more or less as required.

To Joint—To joint saw, invert the clamp, fastening it upside down to bench and hold the saw by the back of the blade.

Rubber Pad Under the Back Jaw. Net per doz.

NO. 100—Length over all 12½ in., height 2 in. weight 19 ozs. each weight per dozen boxed 20 lbs..... .....
.. ..List per dozen $15.00 **$32.90**

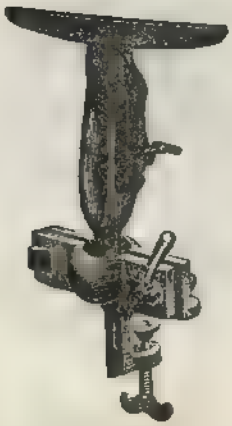
ONE TWELFTH DOZEN IN A BOX.

This vise is the strongest, lightest and cheapest rubber jaw folding vise on the market.

Net per doz.

NO. 67—Length of jaw 10 in., weight each 1¾ lbs **$18.60**

ONE IN A BOX.

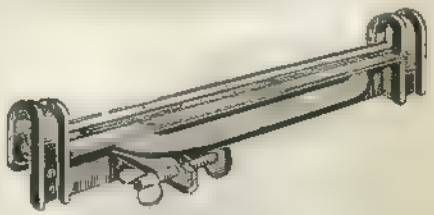


Ball and Socket. Net per doz.

NO. 5—Malleable iron, japanned, 9½ in. jaws, polished faces, adjustable to any position and locked by lever clamp, malleable screw clamp, height above bench 10 in., height over all 14 in., clamp opens 2¼ in., weight 112 lbs. per dozen **$31.44**

Stearns' Pattern. Net per doz.

NO. 3—To clamp to bench, adjustable, malleable iron, japanned, 9½ in. plain faced jaws, malleable iron screw clamp, pivoted outer jaw with cam lever tightener, height above bench 9½ in., length over all 14½ in., clamp opens 1¾ in., adjustable to swing forward and locked by lever, weight 78 lbs. per dozen..... **$21.00**



"SUPERIOR."

These vises are made from all steel, riveted together and practically unbreakable; has patented eccentric locking bar. The bar grips the saw evenly the length of the jaw.

All Steel, Japanned And Nickel Plated.

Net per doz.

NO. 57—Length of jaw 9½ in., weight 18 lbs. per doz..... ..... **$15.80**

ONE IN A BOX.

UNBREAKABLE VISES

Hardy

If Best Quality Low Priced Vise for the Home Garage or Shop Specified. Malleable Iron Top Main Screw is Cold Forged and Acme Thread Finished in Black Dull

No.	Inch Jaw	Opens Inches	Wt. Lbs.	Each
1½	1½	1¼	3	$ .33
2	2	2	7	.67
2½	2½	2½	9	1.00

One in a Carton.

YANKEE VISE

For use on Yankee Bench Drill or separately on Bench. Cast Iron Body and Sliding Jaw. Jaw Lowers in Front Jaw Inside round Work. Rigid and Portable. Hardened Steel Removable Swivel Jaw Holds Taper Work. Base 6 Inches Long, 2⅝ Inches Wide Height Over All 6 Inches

No.	Jaws Open Inches with Swivel	Jaws Open Inches without Swivel	Depth Jaw	Each
600	2½	3	1⅝	

One in a Box. Weight 4 Lbs.

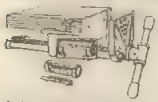
"JERSEY VISES"

Clamp Base. Plain Iron Jaws Brown Body. Polished Slide Jaws. Screw and Handle. Drop Jaws

	Jaws, In.	Weight	Each
No. 741	1½	3 Lbs.	
No. 742	1¾	3½ Lbs.	
No. 743	2	3¾ Lbs.	
No. 744	2½	4 Lbs.	
No. 745	2½	5 Lbs.	
No. 746	3	8½ Lbs.	

One in a package

RAPID ADJUSTING VISES



Instantaneous Adjustment—Continuous In Action, Operates Entire Length. Nut is Released and Disengaged when Pressure on Work is Removed by Slight Reverse Movement of Handle. When Pressure is Applied Nut Engages and Locks Screws Firmly.

Each

No. 430—Jaws 7 In. Wide, 4 In. Deep, Opens 10 In. Wt. 32½ Lbs...

No. 430/S—Same Except with Brass Stop in Front Jaw. Wt., 32 lbs. .

BONNEY VISES

Assortment

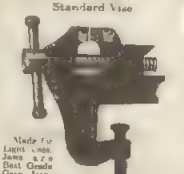
Sample Stand.

Per Assorted Set

No. 10—Sample Stand and 17 Vises . . .

Quan.	No.	Description	Size of Jaw	Wt.	Each
6	00	Iron Jaws	In 1	1	Lb.
6	01	Iron Jaws	1¼ in.	1½	Lbs.
3	03	Iron Jaws	2 In.	2¼	Lbs.
2	02½	Iron Jaws	2½ In.	4	Lbs.

Standard Vise

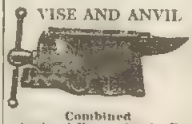


Made for Light Vises. Jaws are Best Grade Gray Iron Carefully Machined Finished in Black Baking Enamel

No.	Jaw Inches	Wt. Lbs.	Each
00	1	1	
01	1½	1¾	
02	2	2½	
02½	2½	4	

Two in a Box

VISE AND ANVIL



Combined

Anvil and Vise combined. Has jaws for holding pipe. Finely finished. For light work.

No. 380—Width of jaws, 3 inches. Opens 5 inches. Weight, Each 20 lbs. .....

VULCAN CHAIN VISE

Dropped Forged Jaws of Low Tempered Steel. Detachable Hand Made Chains Suitable to Fasten to Bench or Post.

Each

No. 1V For Pipe ¼ to 2 Inches Wt. 4 Lbs.

No. 2V—For Pipe ¼ to 4 Inches. Wt. 10 Lbs.

Loose.

ERIE PIPE

Malleable Iron Frame, Black Japanned with Attractive Red Trade Mark

No.	Wt. Abt. Lbs.	Holds Pipe Inches	Each
00H	7	to ¾	

REED PIPE VISES

Malleable Iron Frame and Rear Jap anned Steel Screw and Handle Jaws of Fine Tool Steel, Hardened and Tempered. Upper and Lower Jaws Have Two Holes Flat Bottom, Hinged Joint

Nos.	Holds Pipe	Wt. Each Barb	Each
70	¼ to 2 in.	7½ Lbs.	
71	¼ to 2½ in.	10 Lbs.	
72	¼ to 3½ in.	16 Lbs.	

Wood Workers' Vises

The Screw is Cold Rolled Steel, Front Jaw is Steel Frame Frame is Cast Iron Front Jaw is Faced with Wood Lgth.

No.	Jaw	Opens	Wt.	Each
2810	10	9 Ins.	16 Lbs.	

Loose.

HOUSEHOLD AND GARAGE VISES

With Removable Pipe Jaws

Strong and Neatly Finished Needed in Every Household. Indispensable in Garage and Repair Shop

Jaws and Anvil Made of Malleable Iron. Solid Bar of Solid Wrought Steel Can be Used Stationary or Swivel. Equipped with Specially Hardened Table to Form an Anvil. Back of Vise Rotatable as Pipe Jaws. Anvil Will Not Chip. A Very Serviceable Vise at a Low Price

Number	Width Jaws Inches	Jaws Open Inches	Weight Lbs	Each
143	3	3½	12	

One in a Strong Double Corrugated Cardboard Container Twelve in a Shipping Case Neatly Labeled

WALL SCRAPERS

Malleable Iron Sockets

No. 122 No. 222

Cast Steel Blade, Riveted Blades Assorted, 3½ 3½ and 4 Inches in width

No. 122 Length of Blade 3¼ Per Doz. Inches .....

No. 222—Length of Blade 3 Inches

Steel Blade Inserted Into Handle and Fastened with Two Pins or Screws. Hardwood. Waterproofed Handles

Per Dozen

No. 2—Blade 3 Inches Plain Handle .

No. 22—Blade 4x2¾ Inches Enameled Handles .

One Dozen in a Box

CABINET SCRAPERS

Disston's Hardened Steel. Full Polished Blade, Tempered.

Nos.	Steel Inches	Wt. Lbs. Per Doz.	Per Dozen
15	2x4	1¼	
18	2x6	1¼	
20	2x8	2½	

No. 25—Assortment of following sizes. One Dozen in a Package

Sizes	2x4	2x5	3x4	2½x6
Quan. of Ea	1	1	1	1

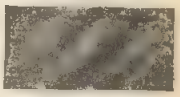
Wt. of Asst. lbs. 1½ Per Assortment

Sizes	2½x5	3x6	2x6	3x5
Quan. of Ea	2	2	2	2

Wt. of Asst lbs. Per Assortment

ATKINS

Silver Steel Cabinet Scraper Blades



Made in 18, 19 and 20 Gauge, Finished Edges.

No. 0

Size Inc. Gauges	18	19	20 Per Dozen
2½x5	2	1⅞	1¾
3x5	2⅛	2¼	2
3x6	2¾	2¾	2¾
2½x8	3	2⅞	2½
3x8	3⅛	3⅛	3
Asstd	3	2¾	2¾

One dozen in a box.

Boys' and Girls' Popular Copyrights

Girls' Fifty Cent Popular Copyrights Continued

Madge Morton Series—Chalmers.

AL425—Madge Morton's Captain of the Merry Maid.
AL426—Madge Morton's Secret.
AL427—Madge Morton's Trust.
AL428—Madge Morton's Victory

Miss Pat Series—Ginther

WN310—Miss Pat and Her Sisters.
WN311—Miss Pat at School
WN312—Miss Pat in the Old World
WN313—Miss Pat and Company, Limited.
WN314—Miss Pat's Holidays at Greycroft.
WN315—Miss Pat at Artemis Lodge.
WN316—Miss Pat's Problem.
WN317 Miss Pat in Buenos Aires.
WN318—Miss Pat's Career
WN319—Miss Pat's Great Career.

Ranch Girls Series—Vandercook.

WN270—Ranch Girls at Rainbow Lodge.
WN271—Ranch Girls' Pot of Gold.
WN272 Ranch Girls at Boarding School.
WN273—Ranch Girls in Europe.
WN274 Ranch Girls at Home Again.
WN275—Ranch Girls and Their Great Adventure.
WN276—Ranch Girls and Their Heart's Desire.
WN277—Ranch Girls and the Silver Arrow.
WN278—Ranch Girls and the Mystery of Three Roads.

Three Little Women Series—Jackson

WN320—Three Little Women.
WN321—Three Little Women at Work.
WN322—Three Little Women's Success.
WN323—Three Little Women as Wives.

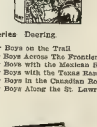
Boys' Sixty Cent Popular Copyrights

Big League Series—Standish.

BH310—Lefty O' the Bush.
BH311—Lefty O' the Big League.
BH312—Lefty O' the Blue Stockings.
BH313—Lefty O' the Training Camp.
BH314—Brick King, Backstop.
BH315—Making of a Big Leaguer
BH316—Courtney of the Center Garden.
BH317—Covering the Look-in Corner.
BH318—Lefty Locke, Pitcher-Manager
BH319—Guarding the Keystone Sack
BH320—Man on First.
BH321—Legs Lamb, Southpaw
BH322—Grip of the Game.
BH323—Lefty Owner.
BH324—Lefty Wins Out.

Bomba Books—Rockwood.

CL65—Bomba, the Jungle Boy.
CL66—Bomba and the Moving Mount
CL67—Bomba and the Giant Cataract.
CL68—Bomba, the Jungle Boy on a Jaguar.
CL69—Bomba in the Abandoned City



Border Boys Series—Deering.

BU532—Border Boys on the Trail
BU551—Border Boys Across The Frontier.
BU552 Border Boys with the Mexican Rangers.
BU553—Border Boys with the Texas Rangers.
BU554—Border Boys in the Canadian Rockies.
BU555—Border Boys Along the St. Lawrence River.

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BU616—Boy Allies on the Firing Line.
BU617—Boy Allies with the Cossacks.
BU618—Boy Allies in the Trenches
BU619—Boy Allies in Great Peril.
BU620—Boy Allies in the Balkan Campaign.
BU621—Boy Allies on the Somme.
BU622—Boy Allies at Verdun.
BU623—Boy Allies Under the Stars and Stripes.
BU624—Boy Allies with the King of Flanders.
BU625—Boy Allies with Pershing in France.
BU626—Boy Allies with Marshall Foch

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BU602—Boy Allies with the Flying Squadron.
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BU604 Boy Allies Under the Sea.
BU605—Boy Allies in the Baltic.
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BU608—Boy Allies with the Submarine D-2.
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CL170—Boy Ranchers.
CL171—Boy Ranchers in Camp.
CL172—Boy Ranchers on the Trail.
CL173—Boy Ranchers Among the Indians.
CL174—Boy Ranchers at Bear Creek.
CL175—Boy Ranchers in the Desert.
CL176—Boy Ranchers on Roaring River.

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BU665—Dick Kent in the Far North.
BU667—Dick Kent with the Eskimos.
BU668—Dick Kent, Fur Trader
BU669—Dick Kent and the Mackenzie Mail.

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Boys' 50 Cent Popular Copyrights (Continued)

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- **AL519**—Pony Rider Boys in the Allegheny Mountains.
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- **AL521**—Pony Rider Boys in the Grand Canyon.
- **AL522**—Pony Rider Boys with the Texas Rangers.
- **AL523**—Pony Rider Boys in the Blue Ridge.
- **AL524**—Pony Rider Boys in New England.
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- **DN245**—Radio Boy's Loyalty.

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See page 383

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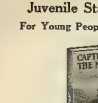

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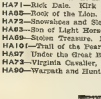

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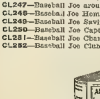
CL250—Baseball Joe Captain of the Team
CL251—Baseball Joe Champion of the City League.
CL252—Baseball Joe Club Owner



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Per vol.

Every Child Should Know Series..... 1.00 .ts

GD1—Birds Every Child Should Know. Neltje Blanchard.
GD2—Earth and Sky Every Child Should Know. J. R. Rogers.
GD3—Fairy Tales, Ed. by H. W Mabie.
GD4—Famous Stories Every Child Should Know. Ed. by H. W Mabie.
GD5—Folk Tales Every Child Should Know. Ed. by H. W Mabie.
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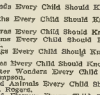
GD18—Water Wonders Every Child Should Know. Jean M Thompson.
GD19 Wild Animals Every Child Should Know. Ed. by Julia B. Rogers.
GD20—Wild Flowers Every Child Should Know. Frederick R Stack.



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MS208—Cruise of the Cachalot. Frank T. Bullen.
MS202—Deerslayer, The. James Fenimore Cooper
MS201—Last of the Mohicans. James Fenimore Cooper.
MS203—Pathfinder, The. James Fenimore Cooper.
MS204—Pioneers, The. James Fenimore Cooper.
MS206—Pathfinder. James Fenimore Cooper.
MS203—Spy. James Fenimore Cooper.

Girls' Sixty Cent Popular Copyrights
Continued

Girl Scout Series—Lavell.

BL695 Girl Scouts at Miss Allen's School
BL696 Girl Scouts at Camp
BU697 Girl Scouts' Good Turn
BU698 Girl Scouts' Canoe Trip.
BL699 Girl Scouts' Rivals.
BU700 Girl Scouts on the Ranch
BU701 Girl Scouts' Vacation Adventures.
BU702 Girl Scouts' Motor Trip
BU703 Girl Scout's Capitals.
BL704 Girl Scouts' Director
BU705 Natalie Garden Scout
BU706 Janet Stock Farm Scout.
BL707 Norma Flower Scout.

Girl Scout Series—Garis.

CL95 Girl Scouts Pioneers.
CL96 Girl Scouts at Belaire.
CL97 Girl Scouts at Sea Crest.
CL98 Girl Scouts at Camp Comalong
CL99 Girl Scouts at Rocky Ledge.

Girl Scout Series—Roy.

GD326 Girl Scouts in Dandelion Camp.
GD327 Girl Scouts in the Adirondacks
GD328 Girl Scouts in the Rockies
GD329 Girl Scouts in Arizona
GD330 Girl Scouts in the Redwoods.

Joyce Payton Series—Whitehill

BH460 Joy and Gypsy Joe.
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Lilian Garis Books

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GD342 Gloria at Boarding School.
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GD344 Cossie Loring's Ambition.
GD345 Barbara Hale, a Doctor's Daughter
GD346 Barbara Hale and Cousin
GD347 Cleo's Misty Rainbow
GD348 Cleo's Conquest
GD349 Jean Just a Girl.
GD350 Joan's Garden of Adventure.

Marjorie Dean High School Series—Lester

BU776 Marjorie Dean, High School Freshman.
BU776 Marjorie Dean High School Sophomore.
BU777 Marjorie Dean, High School Junior
BU778 Marjorie Dean, High School Senior

Marjorie Dean College Series—Lester.

BU778 Marjorie Dean, College Freshman.
BU780 Marjorie Dean, College Sophomore.
BU781 Marjorie Dean, College Junior
BL782 Marjorie Dean, College Senior

Marjorie Dean Post Graduate Series—Lester

BU783 Marjorie Dean, Post Graduate.
BU784 Marjorie Dean, Marvelous Manager
BL785 Marjorie Dean at Hamilton Arms.
BU786 Marjorie Dean's Roseance.
BU787 Marjorie Dean Macy.

Marjorie Series—Wells.

GD215 Marjorie's Vacation.
GD217 Marjorie's Busy Days.
GD218 Marjorie's New Friend.
GD219 Marjorie in Command.
GD220 Marjorie's Maytime.
GD221 Marjorie at Seacote.

Merry Lynn Series Pyne Grove

BU790 Merilyn Enters Beechwold
BL791 Merilyn at Camp Marsaiges.
BU792 Merilyn Tests Loyalty
BL793 Merilyn's New Adventure
BL794 Merilyn Forrester, Co-ed

Outdoor Girls Series—Hope.

GD231 Outdoor Girls of Deepdale.
GD232 Outdoor Girls at Rainbow Lake.
GD233 Outdoor Girls in a Motor Car.
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GD236 Outdoor Girls at Ocean View
GD237 Outdoor Girls on Pine Island.
GD238 Outdoor Girls in Army Service.
GD239 Outdoor Girls at the Houseau House
GD240 Outdoor Girls at Bluff Point.
GD241 Outdoor Girls at Wild Rose Lodge.
GD242 Outdoor Girls in the Saddle
GD243 Outdoor Girls around the Camp Fire
GD244 Outdoor Girls on Cape Cod; or, Sally Ann, of Lighthouse Rock.
GD245 Outdoor Girls at Foaming Falls.
GD246 Outdoor Girls along Coast
GD247 Outdoor Girls at Spring Hill Farm

The Polly Brewster Books—Roy

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GD411 Polly and Eleanor
GD412 Polly in New York.
GD413 Polly and Her Friends Abroad
GD414 Polly's Business Venture
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CL116 Ruth Fielding at Sunrise Farm
CL117 Ruth Fielding and the Gypsies.
CL118 Ruth Fielding and the Pictures.
CL119 Ruth Fielding Down in Dixie.
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CL123 Ruth Fielding in the Red Cross
CL123 Ruth Fielding at the War Front.
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CL126 Ruth Fielding in the Northwest
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GD301 Two Little Women.
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Three-Color Process *Courtesy* RED WING ADVERTISING CO

VIGILANCE

Engraved and Printed from CLAYBOURN CORRECTED PLATES *by Manz Corporation, Chicago*

The biggest money-making horn

—it earns triple profits for dealers

EVERY time you sell a cheap horn you make only $2.50 or $3.00 . . . every time you sell an Original-Bosch horn you make about $10 or more (depending on quantities).

As you know, with the cheap horn you risk complaints . . . expense and time of servicing . . . even your reputation. But the Original-Bosch horn, *you can be certain*, will not get out of order, nor need attention, nor fail the driver in an emergency. You make a friend every time you sell one!

No matter which horn you sell, the purchaser won't "repeat" in a hurry anyway, because a horn isn't the kind of article he buys every day. So why not sell him the horn on which you make triple-profits—the horn which earns about $10 for you instead of $3—that is the Original-Bosch horn!

The beautiful demonstration stand, which you will receive as part of our new selling plan, creates interest in and sales for the Original-Bosch horn. Any customer will consider it an economy to pay $25 for this horn when you tell them that it will outlast the life of the car itself.

Write for triple profits plan

If you, too, want to earn triple profits and render a real service to your customers, write today for a copy of the folder illustrated at the left, and for full information about the new Original-Bosch horn plan which offers a longer discount to dealers and enables you to carry this horn without loading yourself up.

The Original Bosch

ROBERT BOSCH MAGNETO COMPANY, INC.

No connection whatsoever with the American Bosch Magneto Corporation

Robert Bosch Magneto Co., Inc.
2601B Queens Boulevard
Long Island City, New York

Please send copy of folder "A horn that increases the speed of your car" and complete information explaining how I can make triple profits from the sale of Original-Bosch horns.

Name . . . . . .

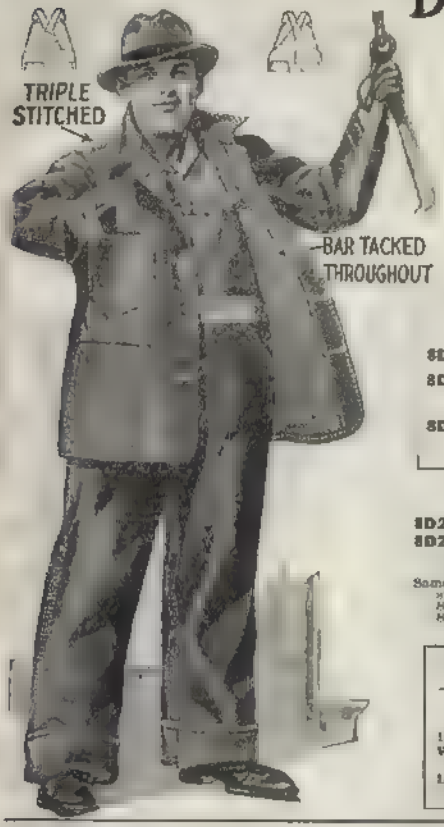
Address . . . . . .

A F J, 9-27

The full name Robert Bosch and this trademark appear on all Original-Bosch products—your guaranty of Original-Bosch quality as known the world over since 1887.

BOSS MECHANIC TRIPLE STITCHED OVERALLS

220 White Back Indigo Blue Denim



NEW LOW PRICES! "Boss Mechanics" now are easily the market's leading values in their class. 4 back over these features.

Full cut, roomy sizes	43½ yds. to the doz. men's sizes. Youths' and boys' proportionately large.
2-Seam legs	A feature of all "Boss Mechanics."
Thoroughly reinforced	Triple stitched, red bar tacked. Clean, careful stitching; heavy pocketing.
7 Pockets	2 front swinging, watch, combination bib, slanting rule, and 2 hip pockets on all men's overalls
Brass trim	Brass buttons, sliding loops and castoffs.

Railroad Style Overalls
Continuous High Back

8D275A : Asstd. regular sizes. 1 doz. in bdl.
8D275B : Open stock regular sizes. Sold in any quantity—state sizes.
Doz **$12.95**
8D275 : Open stock extra sizes. Sold in any quantity—state sizes Doz **$14.25**
See size scale below

Suspender Back Overalls
Detachable Suspenders

8D276A : Asstd. regular sizes. 1 doz in bdl
8D276B : Open stock regular sizes. Sold in any quantity—state sizes. Doz **$12.95**
See size scale below

Coat to Match Men's Overalls
30 in. long, 4 pockets, 3-seam back.

8D277A : Asstd sizes 36 to 44, 1 doz in bdl.
8D277B : Open stock, sold in any quantity Sizes 36 to 44—state sizes.
Doz **$12.95**

Youths' Overalls
Same high grade make as "Boss Mechanics" for men. Continuous high back, 5 pockets (2 front swinging, 2 h.p. combination bib)

8D284A : Asstd sizes 28 to 32 waist 27 to 30 ins. 1 doz. in bd
8D284B : Open stock sold in any quantity Sizes 28 to 32 waist 27 to 30 ins. state sizes
Doz **$10.50**

"Boss Mechanic" Boys' Overalls
High back style, 5 pockets

8D283A : Asstd. sizes 6 to 16 1 doz in bdl Doz **$6.75**

8D283B Sized ages, 1 doz in bdl. State sizes.

Size	Doz
6	$5.25
8	6.50
10	6.75
12	8.00
14	8.25
16	8.50

Size Scale For Men's "Boss Mechanic" Overalls

Regular Sizes

Western Assortment
1 doz. in bdl as follows

Waist	34	36	38	40	42
Leg	32	34	34	34	34
	34	34	36	36	36

Open Stock
Sold in any quantity—state sizes.

Waist	32	34	36	38	40	42
Leg	32	32	32	32	32	32
		34	34	34	34	34
			36	36	36	36

Extra Sizes
Open Stock
Sold in any quantity—state sizes.

Waist	44	46	48
Leg	32	32	32
	34	34	34

UNION JACK OVERALLS

Cone's 220 White Back Denim

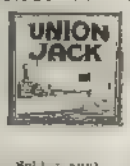
47½ Yds. to Doz.

4 to 6 yds more material in every doz. than 9-oz. and not necessary to high grade overalls

Triple stitched throughout with extra strength cotton

Fast color indigo blue. Wide apron, 2-button side openings, 2-seam legs, 5 pockets 2 front swinging, 2 hip, rule, coin change, combination lock watch and pencil, cigarette with flap on bib, 1½ in hammer loop, fully bar tacked. Brass "Union Jack" buckles, loops and castoffs

UNION MADE



8D4220—Continuous high back style. Sold in any quantity
8D4221—Suspender back style Sold in any quantity
Doz **$16.50**
See size scale below

Coat to Match

8D4222—31 in long, 5 pockets, 2-seam back, 2-button shaped cuffs, sewed on collar band, ringed button eyelets. Sizes 34 to 44—state sizes. Sold in any quantity Doz **$16.50**

SIZE SCALE For "Union Jack" Overalls

Open Stock—Sold in Any Quantity—State Sizes

Waist	32	34	36	38	40	42
Leg	32	32	32	32	32	32
	34	34	34	34	34	34
			36	36	36	36

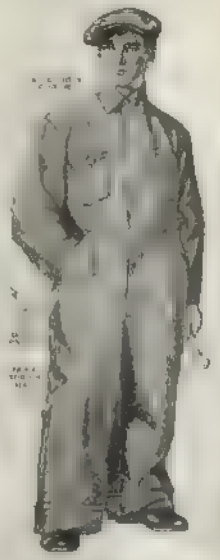
KHAKI ALLOVER SUITS FOR MEN AND BOYS

For Men | **For Boys**

"Our Leader"
3-Yd. Sulphur Dyed Khaki Twill

Legs	—2-seam
Pockets	—8, 2 front swinging, 2 chest, 2 hip, watch, rule
Seams	—Triple stitched.
Cuffs	—Open
Openings	—Bar tacked
Size	—30 to 46 chest.
Packing	—Sold in any quantity.

8D4230—. . . Doz **$14.95**



"Boss Mechanic"
250 Sulphur Dyed Khaki Drill

Legs	2-seam.
Pockets	8, 2 front swinging, 2 chest, 2 hip, watch, rule.
Seams	—Triple stitched.
Fly and Side Openings	—Continuous faced to prevent rips.
Buttons	All are covered with patents of patents by special machinery
Size	—36 to 46 chest.

8D4891A Asstd sizes. 1 doz in bdl

8D4891B—Open stock sold in any quantity State sizes

Doz **$24.00**

3-Yd. Sulphur Dyed Khaki Drill

Legs	2-seam
Pockets	8
Seams	—Double stitched
Size	
Openings	—Bar tacked
Drop Seat	—5-button
Packing	—1 doz. in bdl

8D4151—Asstd sizes 3 to 9 Doz **$7.50**

Harding & Tilton's 3-Yd. Sulphur Dyed Khaki Drill

Legs	—3-seam.
Pockets	—6, 2 front patch, hip, chest
Seams	—Important seams triple stitched, others double stitched. Stayed side openings.
Cuffs	—Open
Fly	Covered
Packing	1 doz. to bdl

8D4064-1—Asstd sizes 4 to 10 Doz **$10.00**

8D4064-2—Asstd sizes 12 to 16 Doz **$11.25**

SHEEP LINED COATS

All except the lowest priced number conform to the exacting "ENDURANCE" specifications. That means full cut garments and workmanship such as only the best factories can produce. A line that insures next season's business at the same time you are making this season's profits. All of our Sheep Lined Coats are double breasted

All Are Double Breasted Styles

Moleskin—36 In. Long

"Competition" Drab moleskin smock front, 36 in. long, full sheepskin lining, heavy full sheepskin collar, 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A329—Sizes 38 to 48—state sizes. Sold in any quantity. Shipped from New York stock. Each **$5.75**

3 or more, Each **5.50**

➡1AA329—12 in carton. Sizes as follows: 1 size 38, 2 size 40, 3 size 42, 3 size 44, 3 size 46. 1 size 48. *Shipped F. O. B. factory, Elizabeth, N. J.* Each **$5.25**

"Endurance"— Heavy Sheepskin Lining

"Endurance" Heavy drab moleskin smock front, 36 in. long, full sheepskin lining, heavy full sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A325: Sizes 38 to 48—state sizes. Sold in any quantity. Shipped from New York stock. Each **$7.00** 3 or more, Each **$6.75**

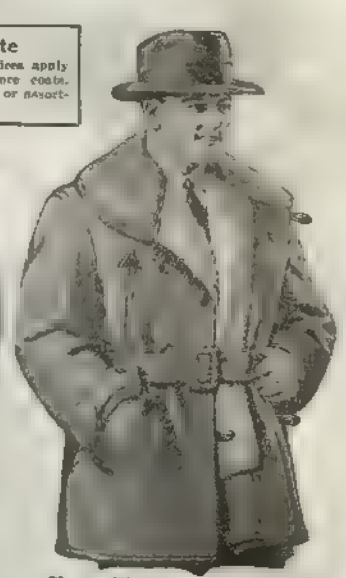
➡1AA325—6 in carton. 1 each size 38 to 48. *Shipped F. O. B. factory, Elizabeth, N. J.* Each **$6.25**

Waterproof Slicker Interlining

"Endurance" 36 in. drab moleskin smock front, heavy full sheepskin lining, heavy full sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A326: Sizes 38 to 48—state sizes. Sold in any quantity. Shipped from New York stock. Each **$8.00** 3 or more, Each **7.50**

➡1AA326—6 in carton. 1 each size 38 to 48. *Shipped F. O. B. factory, Elizabeth, N. J.* Each **$6.90**



Sheepskin Lining to Edge

"Endurance" heavy drab moleskin front, 36 in. long, full sheepskin lining to edge, heavy full sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A328—Sizes 36 to 48—state sizes. Sold in any quantity. Shipped from New York stock. Each **$8.00** 3 or more, Each **7.50**

➡1AA328—6 in carton. 1 each sizes 36 to 48. *Shipped F. O. B. factory, Elizabeth, N. J.* Each **$6.90**

Extra Quality Sheepskin

"Endurance" Heavy drab moleskin napped back, 36 in. smooth finish, 36 in. long, full sheepskin lining, heavy beaverized sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A330—Sizes 38 to 48—state sizes. Each **$8.75**

3 or more, Each **8.25**

Boys' Sheep Lined Coats Shown on Next Page

Blue Corduroy— The Country's Favorite!

"Endurance" "Julliard" blizzard corduroy navy blue farm wrist, heavy full sheepskin lining, heavy full sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A332: Sizes 38 to 48—state sizes. Sold in any quantity. Shipped from New York stock. Each **$8.95** 3 or more, Each **$8.50**

➡1AA332—6 in carton. 1 each sizes 38 to 48. *Shipped F. O. B. factory, New Brunswick, N. J.* Each **$7.85**

"Rainproof Special"

"Endurance" 10 oz. drab moleskin farm wrist, heavy full sheepskin lining to edge, heavy full sheepskin collar, belt and 2 lower pockets with flaps, pockets reinforced with leather corners, knit wristers, sewed-on buttons, loop fasteners.

1A684—Sizes 38 to 48—state sizes. Each **$11.25** 3 or more, Each **10.50**

Note

Quantity prices apply on 3 or more coats, one number or assorted.

"ENDURANCE" EIGHT POINT QUALITY

1. Full cut.
2. Selected, well tanned sheepskin linings.
3. Shell fabrics tested for long wear.
4. Sleeves lined with cool wearing material obtainable. Armholes and extra roomy.
5. Genuine "Julliard" blizzard corduroy.
6. Large buttons, securely sewed on. Matched loops.
7. Wool knit wristers that hug the wrists.
8. Wide, deep pockets, strongly sewed.

150 Screen Four Color Process Plates

CALIFORNIA WALNUTS

Reproduced in exact size direct from the objects posed in the Photo-Engravers Gallery

Engraved by THE STAR ENGRAVING COMPANY, LOS ANGELES

Briggs
Body

Much of the advancement in fine automobile body development and construction is credited to the makers of Briggs Bodies. America's outstanding motor cars come equipped with this superior product.

BRIGGS MANUFACTURING COMPANY, DETROIT, MICHIGAN

BRIGGS BODIES

BOLT AND SCREW CASES

BROWN'S PERFECTION

Drawers are Square, with No Waste Space at Center Labeled with Size of Screw or Bolt. Each Drawer will Hold a Full Package of Size Indicated Case Revolves Easily, Whether Empty or Full.

BOLT

Made of Good Quality Tennessee Oak, Hard Oil Finish. Drawers are Made Square, with No Waste at Center. Forty Drawers. Height, 37 Ins. Diameter, 22 Ins.

Labeled as Follows.

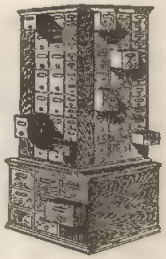
1/4x1/4, 1/4, 2, 2 1/2, 2 3/4, 3, 3 1/4, 4, 4 1/2, 5,
1/4x1/2, 1 1/2, 2, 2 1/2, 3, 3 1/4, 4, 4 1/2, 5, 6.

1/2x2, 2 1/4, 3, 3 1/4, 4, 4 1/2, 5, 6, 7, 8,
1/2x3, 3 1/2, 4, 4 1/2, 5, 6, 7, 8, 9, 10.

Each

No. 40—Wt., Each, About 180 Lbs..... $27.00

COMBINATION BOLT AND SCREW CASES



Made of Good Quality Tennessee Oak, Hard Oil Finish. Same as No. 40, Except Corners are Left Square and Filled in with Small Drawers for Screws.

UPPER CASE, ONLY; WITHOUT BASE

With 112 Boxes. 56 for Bolts and 56 for **Screws.** Height of Case, 50 Ins. Diameter, 24 Ins.

Each

No. 112—Wt., Each, Abt. 300 Lbs..... $54.00

CASE AND BASE, COMPLETE

Base is 20 Ins. Square, 20 Ins. High and Contains 18 Drawers. Upper Case has 112 Boxes, 56 for Bolts and 56 for Screws. Height, Over All, 70 Ins.

Each

No. 120 - Wt., Each, Abt. 480 Lbs. $67.00

No 112 Cases Leave the Factory Labeled as Follows

Washers, 1/4, 5/16, 3/8, 1/2.
Bolts, 1/4x1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 4, 4 1/2, 5.
Bolts, 5/16x1 1/4, 1 1/2, 2, 2 1/2, 2 3/4, 3, 3 1/4, 4, 4 1/2, 5, 6.
Bolts, 3/8x1 1/2, 1 3/4, 2, 2 1/2, 3, 3 1/4, 4, 4 1/2, 5, 5 1/2, 6, 7, 8.
Bolts, 1/2x2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 6, 7, 8, 9, 10, 11, 12.
Screws, 1/4—3, 4, 5 (in One Drawer).
Screws, 1/4—3, 4, 5, 6.
Screws, 1/4—4, 5, 6, 7.
Screws, 1/4—5, 6, 7, 8, 9.
Screws, 1/4—6, 7, 8, 9.
Screws, 1 7, 8, 9, 10, 11
Screws, 1 1/4—8, 9, 10, 11, 12.
Screws, 1 1/4—9, 10, 11, 12, 13, 14.
Screws, 1 1/4—11, 12, 13, 14.
Screws, 2 —11, 12, 13, 14.

This Leaves 14 Small Drawers with Blank Labels, which can be Used for Tire Bolts or Stove Bolts, Etc.

No. 120, Case Labeled as Above, with the Following Added in the Base:
Washers, 1/4, 5/16.
Bolts, 1/4—5, 6, 7, 8, 9, 10, 11, 12.
Bolts, 1/4—7, 8, 9, 10, 11, 12, 14, 16.
Labels Can Easily be Changed to Suit Your Own Selection

Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory in Tens.

BRUNNER MOTOR DRIVEN COMPRESSORS

POWER PLANT

Users have been attracted by the two-stage type of Compressor for garage service; they have not, however, been pleased with mechanical crudity of other makes. This two-stage is superior in design and infinitely finer in construction than any competing outfit, and costs no more to purchase.

General design and arrangement is exactly similar to all other Brunner belted power plants. The Compressor and motor may be shifted for alignment, while the belt tension and travel is controlled by the improved Brunner belt-tightener. An automatic unloader-controller is securely mounted, with air-tight joints throughout. Every feature makes for quiet, automatic, attention-free service, and owners may well be proud of this finest of all two-stage power plants.

Automatic ¾ H. P. Power Plant with Brunner Two-Stage Compressor displacing 3 to 4½ cu. ft. depending on speed. Low pressure cylinder 3 in. × 3 in. High pressure cylinder 1¾ in. × 3 in. Connecting rod assembly same as in V-type aeroplane motors, eliminating ruinous vibration and annoying thumping of the usual two-stage machine. Intercooler with knife-edge fins holds four discharges of low stage cylinder.

No. F99—Dimensions: Height 22 in., width 17 in., length 45½ in., with ¾ H. P. motor; completely equipped with outlet for 1 in. iron pipe, shipping w't 420 lbs.

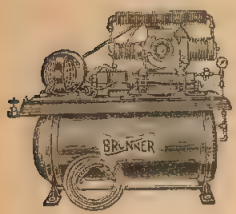
With 1-Phase A. C. 110 220-Volt 60-Cycle Motor★	$280.00
With 1-Phase A. C 110-220 Volt 25-Cycle Motor★	325.00
With 1-Phase A. C. 110-220-Volt 40-Cycle Motor★	325.00
With 110 Volt Direct Current Motor★	310.00
With 220-Volt Direct Current Motor★	310.00

Motors for other circuits at corresponding prices.

No. F991 Power Plant—With 1 H. P. motor and capacity of 4 cu. ft. per minute.

With 110-220 V., 60 Cy., 1 Phase, A. C Motor★	$330.00
With 110 220 V., 25 Cy., 1 Phase, A. C Motor★	365.00
With 110-220 V., 40 Cy., 1 Phase, A C. Motor★	365.00
With 110 V., Direct Current Motor★	340 00
With 220 Volt Direct Current Motor★	340.00

ASSEMBLED UNITS



The Model No. F939 is a fast-working ¾ H. P. unit. Pressure in the 32-gallon tank rises from zero to 175 lbs. in less than twenty-five minutes. A pressure rise of 25 lbs. is a matter of five minutes or less. The answer is not excessive speed; it is the astonishing efficiency produced by dual valves, larger intercooler and snugly fitted, polished pistons.

Equally good proportional results are had with the larger models Nos. F949 and F969. The first of these mounts the same Compresser, but with 1 H. P. motor, and with 45-gallon seamless steel air tank. The No. F969 also uses the same Compressor and 1 H. P. motor, with a 65-gallon seamless steel tank. Pressure rise is produced in about equal time by all three units, as the Compressor is proportionately speeded to tank size in each case. It is obvious that the smaller unit has the longer life, but the larger assemblies, running at higher speed, are nevertheless in great favor with oil stations and other busy establishments. Long life seems not so vital when parts are so quickly and cheaply replaced.

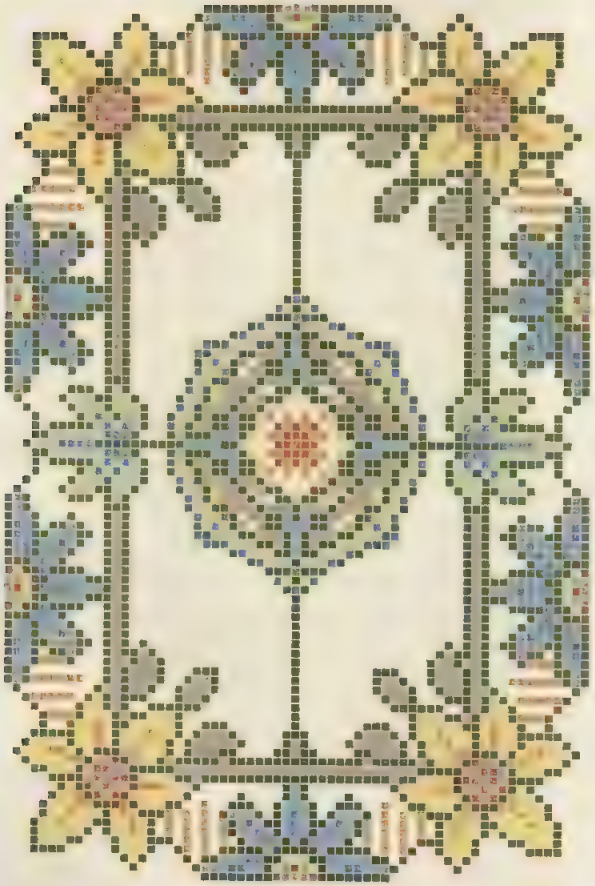
The outfits are completely equipped as illustrated.

SPECIFICATIONS

	Model F939	Model F949	Model F969
Horse Power	¾	1	1
Capacity	3 cu. ft. per min.	4 cu. ft. per min.	4½ cu. ft. per min.
Tank size	32 gallon	45 gallon	65 gallon
Weight	525 lbs.	650 lbs.	755 lbs.
Height	40¾ in.	45½ in.	45½ in.
Floor Space	19¾ in. × 45½ in.	24 in. × 45½ in.	24 in. × 60 in.
Shipping Weight	630 lbs.	774 lbs.	950 lbs.
Boxed for Export	30 cubic feet	43 cubic feet	57 cubic feet

	No. F939	No. F949	No. F969
1-Phase A. C. 110-220 Volt 60-Cycle Motor	$330.00★	390 00★	400.00★
1-Phase A. C. 110-220 Volt 25-Cycle Motor	375.00★	425.00★	445.00★
1-Phase A. C. 110 220 Volt 40-Cycle Motor	375 00★	425.00★	445.00★
110-Volt Direct Current Motor	360.00★	400 00★	420.00★
220-Volt Direct Current Motor	360 00★	400.00★	420.00★

★ Items Marked Thus ★ Are Shipped From Factory Only.



Courtesy—The Bluerene Tile Co. Printed From Nine Zinc Color Plates

A TILE DESIGN IN NINE COLORS *R*

This Insert of Two Pages

Designed and Engraved by The Bucher Engraving Co., Columbus, Ohio

Engr. by [illegible]

150 Screen Halftone and Zinc Color Plate

A LEATHER GOODS ILLUSTRATION

Drawing and Engraving by The Bucher Engraving Co., Columbus, Ohio

RAILROAD TRACK TOOLS

TRACK CHISELS

High grade tool steel, oil tempered, black finish

Weight, Lbs.	4½	5
Length, Inches	8¾	9
Width of Bit, Inches	1¾	1⅝
No. 160 Per Pound	**$0.50**	**.50**

Loose, Not Packed

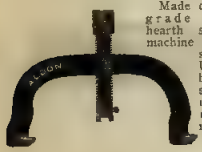
RAIL TONGS

Solid cast steel, black finish. Will open up to accommodate a 6 inch girder rail.

No. 151 Length, 14 inches; spread, 30 inches; weight, 18 lbs. .....Each, **$4.50**

Loose, Not Packed

JIM CROW RAIL BENDERS



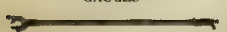
Made of the best grade of open hearth steel, with machine cut thread steel screw. Used for bending and straightening light rails and car irons.

With Lever

No.	Weight Bens. Rails Pounds	Diameter of Screw Inches	Series of Lever Hole Inches	Spur to Center of Claws Inches	Weight Pounds	Each
6	16	1¾	1	14	40	**$12.50**
5	25	2	1	16	65	**16.00**
4	50	2½	1½	20	85	**20.00**
3	75	2½	1¾	24	130	**22.50**
2	85	2⅝	1⅞	28	145	**27.00**
1	100	2¾	1⅞	28	170	**31.00**

Loose Not Packed

HUNTINGTON STANDARD TRACK GAUGES



Wrought iron pipe, malleable iron heads riveted on, without insulation

No. 1 Size, 4 ft. 8½ inches; weight per dozen, 140 lbs.....Per Dozen. **$50.00**

Loose, Not Packed

TRACK LEVELS

Made of thoroughly seasoned white pine, painted red, steel bound, fitted with adjustable index to level, without insulation.

No. 59 Length, 6 ft. 3 inches; weight per dozen, 132 lbs.....Per Dozen, **$45.00**

Loose, Not Packed

RAILROAD TRACK TOOLS

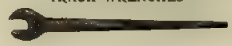
BUDA HYDUTY PAULUS TRACK DRILLS

Automatic feed, ball bearing thrust, all bearings bronze bushed, forged steel gears with machine cut teeth, plain interchangeable spindle. Complete with chuck for ⅝ inch round shank drills Hooks can be thrown back to let train pass

Style A Weight, 95 lbs.....Each, **$40.00**

One in a Crate

TRACK WRENCHES

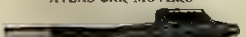


Forged from special high grade open hearth steel with jaws heat treated to prevent wearing or spreading. Black finish.

No. 153 Size of opening, 1½ inches; for bolts, size ⅞ inches; length, 28 inches, weight, 6½ lbs. .....Each. **$1.75**

Loose, Not Packed

ATLAS CAR MOVERS



Special analysis malleable castings, carefully tested; high carbon tool steel spurs; selected rock maple handle. Has compound leverage which gives double power. Complete with double spurs and rail guides.

No. X Length overall, 5½ ft.; weight, 21 lbs. .....Each, **$8.00**

Loose, Not Packed

Extra Parts

No. 11 Handle ....Each, **$2.50**

No. 12 Spur or Heel, single, size 1¾x2⅝ in. .....Each, **$1.00**

No. 13 Double or two-piece spur, size 1⅜x1¾ in. .....Per Pair, **$1.00**

NEW BADGER CAR MOVERS

Made entirely of malleable iron with selected maple handle. Has slip proof spurs which grip the edges of the rail where they have not been polished smooth and hard by the incessant passage of wheels. This double grip, applied at the only points where secure grip is possible, insure against the mover slipping. Has powerful compound leverage, a combination of a pinch bar and a toggle action, providing force enough to move any car. Imparts a turning motion to wheel.

No. 5 Length overall, 5½ ft., weight, 17 lbs. .....Each, **$8.00**

No. 6 Extra Handles .....Each, **$2.50**

Loose, Not Packed

CROW BARS

WEDGE POINT

Solid cast steel, black finish.

Weight, Lbs.	10	12	14	16	18
Square, Inches	1	1⅛	1⅛	1¼	1¼
Length, Feet	4	4½	4½	4½	5
No. 40 Per Lb.	**$0.12**	**.12**	**.12**	**.12**	**.12**
Weight, Lbs.	20	22	24	26	
Square, Inches	1¼	1⅜	1⅜	1⅜	
Length, Feet	5½	5½	5½	5½	
No. 40 Per Lb.	**$0.12**	**.12**	**.12**	**.12**	

Loose, Not Packed

PINCH POINT

Solid cast steel, black finish.

Weight, Lbs.	8	10	12	14	16	18
Square, Inches	1	1	1⅛	1⅛	1¼	1¼
Length, Feet	3½	4	4½	4½	4½	5
No. 41 Per Lb.	**$0.12**	**.12**	**.12**	**.12**	**.12**	**.12**
Weight, Lbs.	20	22	24	26		
Square, Inches	1⅜	1⅜	1⅜	1⅜		
Length, Feet	5½	5½	5½	5½		
No. 41 Per Lb.	**$0.12**	**.12**	**.12**	**.12**		

Loose, Not Packed

LINING BARS

DIAMOND POINT

Solid cast steel, black finish.

Weight, Lbs.	20	22	24	26
Square, Inches	1¼	1⅜	1⅜	1⅜
Length, Feet	5½	5½	5½	5½
No. 42 Per Lb.	**$0.12**	**.12**	**.12**	**.12**

Loose, Not Packed

CLAW BARS

With Heel

High grade open hearth steel, oil tempered claw, black finish.

No. 30 Weight, 30 lbs.; size of square, 1¾ inches; length, 5½ ft., Per Pound. **$0.18**

Loose, Not Packed

TAMPING BARS

STANDARD

Solid cast steel, black finish.

Weight, Lbs.	14	15	16
Tamper, Inches	8½x⅝	3½x⅝	3½x⅝
Length, Feet	5½	5½	6
No. 46 Per Lb.	**$0.12**	**.12**	**.12**

Loose, Not Packed

CAR PUSHERS

EASY

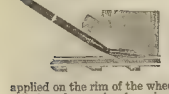
Japanned, solid steel bar, tempered at points; malleable iron heel with extended lugs to prevent slipping; finest tool steel triangular bit, grips rail firmly and prevents slipping back. Bit can be inverted and all three sides used. Steel spring prevents bit touching rail when not in actual operation. Each

No. 15 —Length 5⅝ ft with extra triangular bit; wt each 20 lbs $13 50

No. 15B—Extra bits; wt each ½ lbs 81

Packed loose.

ATLAS



Japanned malleable iron frame and socket; finest tool steel square heel, can be inverted and all four sides used. Selected maple handle, varnished.

By the compound lever arrangement the moving power is applied on the rim of the wheel so far from its contact with the rail that the moving force is utilized to roll it forward, instead of wasted in an effort to raise it from the track. Each

No. 10—Length over all 67 ins; complete with handle; wt each 15 lbs $16 50

Per Pair

No. 10B—Extra bits; wt each ¼ lb 1 20

Packed loose.

BUDA HAND CARS

BUDA FOUNDRY AND MFG. CO.

Helical Cars.

Unless otherwise specified hand cars will be furnished with helical gears. The teeth are cut in a diagonal manner creating a continuous rolling contact.

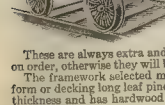
Taper Wheel and Pinion Fit—Furnished with the improved taper fit on wheels and pinions, unless otherwise desired. If straight fit is preferred, this fact should be specified when ordering.

Framework—Specially selected maple, thoroughly seasoned. Platforms or decking is of long leaf pine dressed on both sides to uniform thickness. Each

No. 1—Buda standard hand cars, standard gauge, platform 6 ft long by 4 ft 5 ins wide; axles 1½ ins in diam; wheels 20 ins in diam: wt 525 lbs ..... ✣$288 00

HARVEY PUSH CARS

BUDA FOUNDRY AND MFG. CO.



Pressed steel wheels taper fitted to axles, unless straight fit is specified on order. These cars can also be furnished with insulated axles for use on roads using block systems with track circuits. These are always extra and cars so desired should be specifed on order, otherwise they will be shipped without insulation.

The framework selected maple thoroughly seasoned. Platform or decking long leaf pine, dressed on both sides to uniform thickness and has hardwood end rail at each end, bound with iron strap. Each

No. 4—Standard gauge, platform 7 ft. long by 5 ft 6½ ins wide; axles 1½ ins. in diam; wheels 20 ins in diam; wt 850 lbs ..... ✣$225 00

✣F. O. B. Illinois Factory Only.

MINE CAR TRUCKS

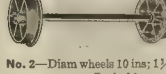
PLAIN BEARINGS

Plain bore wheel with an oil recess around hub. designed for small cars of country mines. Set consists of 4 wheels and 2 axles.

Per Set

No. 1—Diam wheels 10 ins; 1½ in. square axle ..... ✣$84 00

Packed loose; wt per set 260 lbs



Plain bore wheel. Designed for small cars only. Set consists of 4 wheels and 2 axles.

Per Set

No. 2—Diam wheels 10 ins; 1⅜ in. square axle ..... ✣$64 50

Packed loose; wt per set 200 lbs.

JACK SCREWS

Cast iron frame, wrought iron screw. Threads fine enough for power, and coarse enough for speed. Standards shaped to insure strength; used for raising buildings, cars, engines, boilers, locomotives etc.

Nos.	Each	Screw. Diam ins	Stand. H'gth ins	Overall. Ins	Opy. Tons.	Wt Lbs
1	5 65	*$1 25*	1½	8	12	14½
2	6 30	*1 75*	1½	10	14	17
3	7 20	*2 25*	1½	12	12	19
4	7 65	*2 75*	1⅝	10	14	22
5	8 25	*3 25*	1¾	12	16	26
6	9 15	*3 75*	2	10	14½	27
7	9 90	*4 50*	2	12	16½	29
8	10 65	*5 25*	2	14	18½	34
9	12 15	*9 25*	2	16	20½	38
10	13 60	*10 25*	2	18	22½	42
11	✣15 00	*11 50*	2	20	24½	50
12	✣19 05	*14 50*	2¼	22	27	59
13	✣13 95	*10 75*	2½	12	18	40
14	✣17 40	*13 25*	2½	16	22	55
15	✣19 05	*14 50*	2½	18	24	62
17	✣24 00	*18 25*	2½	24	30	78

LEVER JACKS

BARRET PATTERN

Malleable iron frame; forged steel rack; drop forged open hearth steel pawls; high carbon rolled steel fulcrum pin; hardened steel bearings; selected hardwood handles.

BARRET PATTERN

Double-Acting, Trip.

Recommended for track work only; able to quickly discharge its load to permit its immediate withdrawal. Lifts load on upward and downward strokes. Each

No. 1B—Capacity 10 tons; height bar down 24 ins; height bar raised 37¼ ins; rise of bar 13½ ins; size of bar 1¾x1¾ ins $39 00

Packed loose; wt each 62 lbs.

✣Mine Car Trucks-F. O. B. Indiana Factory Only.

✣Jack Screws—F. O. B. Wisconsin Factory Only.

WHY GAMBLE

when you can pick a

SURE WINNER

You will never find

BUDDY "L" TOYS

THE STEEL TOYS

among the left-overs

Every toy is carefully designed, scientifically constructed and built for real service.

BUDDY "L" TOYS ARE MADE FOR THE MODERN BOY, AND HE KNOWS IT.

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Room 320

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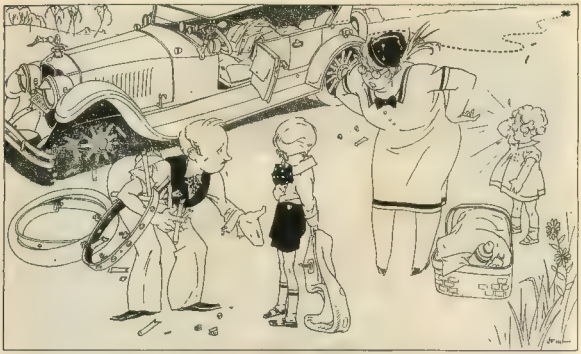


"Now, Willie," said father,

"the trick is . . . to get this wheel together again!"

A SKID—a crash—and another wooden wheel crumples into kindling wood

Then the day's pleasure takes wing—and so do quite a flock of dollars. For a ruined wooden wheel means a new one at $20, a towing charge of $7 and about six hours' time

But Budd-Michelin Wheels have the strength of steel. They can't collapse. If one does bend under a blow that would wreck a wooden wheel, it does not mean tragedy—just changing to the fifth Budd-Michelin that rides on the back of the car. And the bent wheel can be made as good as new again for $3!

The man who rides on Budd Michelins saves money and dodges the tow car. Don't let your prospects forget it!

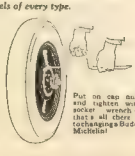
BUDD

WHEEL COMPANY . . . *Detroit*

Budd Service Stations in all principal cities—parts and service for wheels of every type.

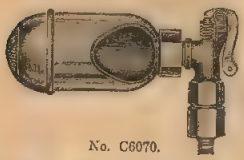
To put on a Budd-Michelin Wheel, set brakes and place wheel in position before the mounting studs

Slip pilot bar through top mounting hole and over top mounting stud. Lift up and wheel slides into place



Put on cap nuts and tighten with socket wrench—that's all there is to changing a Budd Michelin!

BUELL EXPLOSION WHISTLES



No. C6070.

No. C6071.

A powerful, practical and perfect warning device, fits in priming cup opening, thereby getting the explosion direct instead of through the exhaust valves. It can be installed on practically all cars without any other parts. On engines not fitted with priming cups such as the Ford, it is necessary to use our No. C6072 special spark plug which has an opening on the side to accommodate the whistle.

No. C6070—Single tone, whistle complete, ready for installation, w't each 1 lb .....each $6.65

No. C6071—Chime tone, whistle complete, ready for installation, w't each 1 lb.....each $8.90

No. C6072—$\frac{3}{8}$ in. **Special** Spark Plug for use on engines not having priming cups, w't each 10 oz., extra, each $1 45

ONE IN A BOX

APCO THROTTLE EXTENSION HORN BUTTON

For Ford drivers who like a horn button at their finger tips constantly. It slips on the gas or spark throttle lever where the fingers always rest.

It has a double advantage of being a throttle lever extension where larger diameter wheels are used.

This button is the only satisfactory horn button for use with the lock free type of steering wheel. It can be installed in five minutes.

No. C7120—9—Packed in individual containers; ten buttons to a counter display carton, we do not break cartons, w't three ounces, per carton of 10.....$7.75

APCO DELUXE HORN BUTTONS

An attractive large size Horn Button, rubber composition, red in color, attached to a nickel plated steel nut, which replaces the present nut used to hold on the steering wheel.

This puts the horn control in a convenient and accessible position, the same as on all large cars.

Cord is the proper length to permit easy installation, merely by attaching the two wires from the horn button to the two wires in the present horn button on your car.

No. C7123—35—W't per card of 10, 3 lbs.....per card $10 90

10 ON A COUNTER DISPLAY CARD. WE DO NOT BREAK DISPLAYS

APCO STEERING POST HORN BUTTON

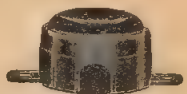
The regular horn button on a Ford car is placed at an inconvenient point. This Button takes the place of the nut on the steering column post in the center and on top of the steering wheel. It can be installed in five minutes.

No. C7121—138—Beautifully finished; the shell is of non-rusting alloy, the nut is black and is Parkerized; will not rust, the contact springs are of phosphor bronze and the button is of hard black composition; packed in individual boxes, ten to a counter display carton, w't two ozs., per carton of ten.....$4.45

WE DO NOT BREAK CARTONS

HORN BUTTONS

The Universal Button is just the thing for your desk, door bell or any place you have the need of a push button. The entire top is movable so when it is pressed at any point the contact is made. The button shell is finished in black enamel, and top is a black composition, making a neat and attractive article.



No. C7118—W't per doz. $\frac{3}{4}$ lbs., per dozen $5.35

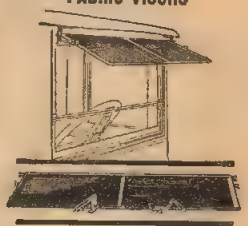
This is the steering spider column button. Equipped with clamp to permit fastening the button to the steering spider.

No. C7119—W't per doz. 1 lb., per dozen $7.10

ONE IN A BOX

FOR KINDRED GOODS SEE PAGE 2160

FABRIC VISORS



Equipped with Steel Frames, top side, covered with black grained art leather and lower side is covered with Green art leather. This Shield is adjustable to any angle and can be quickly removed.

Brackets finished in Black Enamel. Visor does not attach to windshield proper, but to body of car.

No. C7365—For Closed Cars, length 40 in., width 10$\frac{1}{2}$ in., w't 3$\frac{1}{2}$ lbs.....each $3.65

No. C7366—For Open Cars, Fords and Chevrolets especially, length 39 in., width 10$\frac{1}{2}$ in., w't 4 lbs., each $4.00

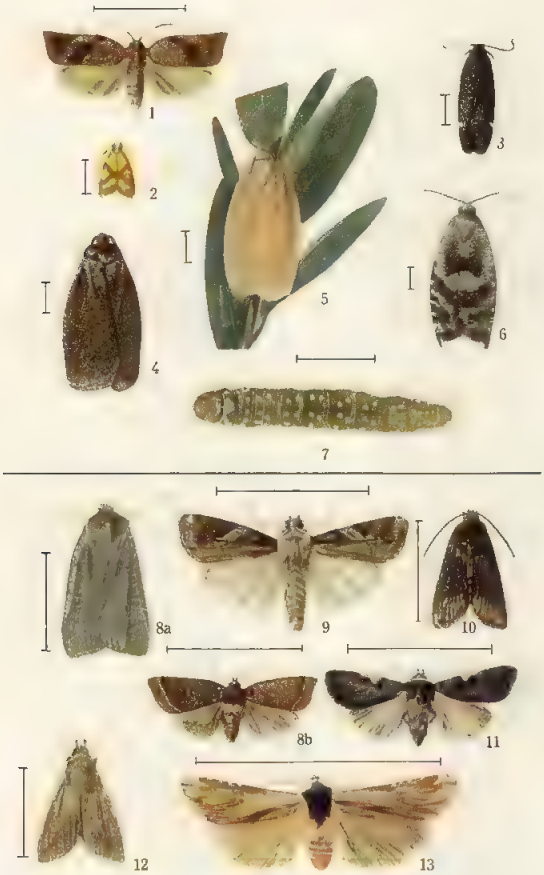
ONE IN A BOX

133 Screen Four Color Process Plates

A SPRAY OF BURTON PRUNES

Reproduced direct from the prunes posed before Wall Paper background

Engraved by COMMERCIAL ART & ENGRAVING COMPANY, SAN FRANCISCO



Courtesy of Mass. Cranberry Growers Assn. *150 Screen Four Color Process Plates*

TEACHING THE GROWER WITH PICTURES

Reproduced from Water Color drawings from the insects

Drawn and Engraved by DONOVAN & SULLIVAN ENGRAVING COMPANY, BOSTON

Higher Compression Ratio Features New Hudson

A RADICAL departure in cylinder head design features changes in the Hudson line, announced this week by the Hudson Motor Car Company. The new head has one of the highest compression ratios of any car on the market at present, but is designed to operate without the use of anti-knock fuels

A number of external changes in the cars have also been made, including the extending of belt moldings over the hood and cowl, new color schemes, and the incorporation of a metal side panel in the roof on the custom line.

In the new head, the relative positions of the exhaust and intake valves have been changed so that the 1⅞-in. intake valve which is located in the head slightly overlaps the exhaust valve in the block. Fuel entering the combustion chamber thus strikes the exhaust valve, which being the hottest portion in the head acts as a hot spot to vaporize any fuel still in liquid form. The incoming fuel also acts as a cooling medium for the exhaust valve in this respect. Over about half the piston area there is no recess in the head, and the clearance of the piston under this portion is therefore equal to only the thickness of the gasket between head and block, this type of design being largely responsible for the small combustion chamber volume obtained with this "F" head engine.

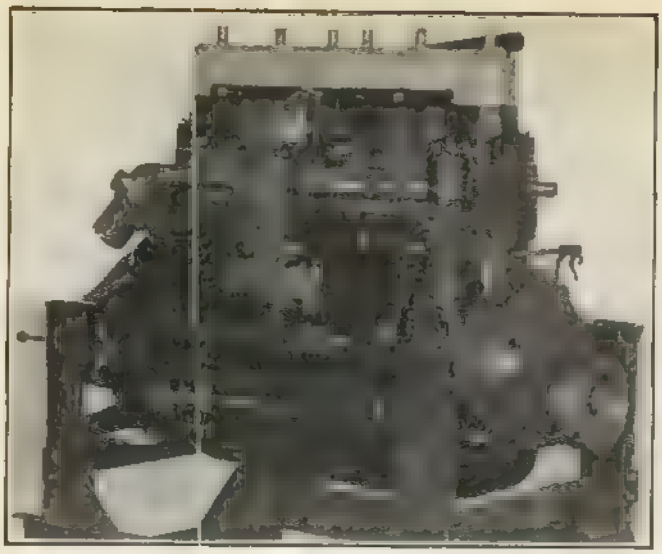
To prevent "knocking" in the engine, the spark plug has been moved to the far exhaust side of the combustion chamber, where it is located in the cylinder head side wall. With this arrangement a fairly small combustion space has been formed over the exhaust valve, in which firing of the fuel first occurs. Any detonation which might occur, is thus said to be absorbed in this part of the combustion chamber, before the flame reaches the area over the piston. No changes have been found necessary in spark plug design in spite of the high compression ratio now used.

Invar Strut Pistons

Further changes in the engine include the adoption of Invar strut three-ring pistons, and the adoption of a crankshaft torsion neutralizer at the front end of the shaft. The intake manifold has also been redesigned. The manifold rises vertically from the carburetor, this portion including the exhaust gas pre-heater. At the top it makes a right angle turn into the head, through a single port, from where it is distributed through cored passages in the head to the various cylinders.

As would naturally be expected, the engine changes and the new type of head have improved the performance of the Hudson. This is most noticeable in a quicker get-

Full length belt mouldings are utilized on the latest Hudson bodies



Latest Hudson engine showing new inlet manifold, torsional damper, and new location of spark plugs

away and more rapid acceleration, while fuel economy and top speed, it is claimed, also have been increased.

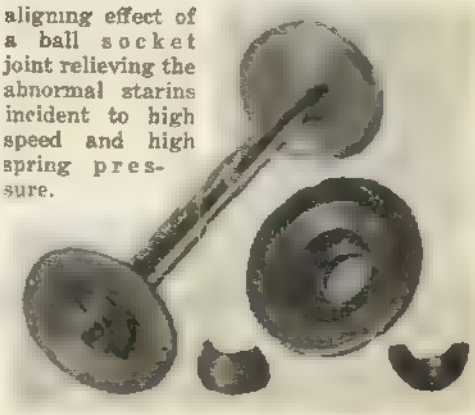
Incorporation of a small metal panel in the side of the roof on Hudson custom line cars, has given these cars an "all-metal" appearance from the side. All models are continued at the same prices as formerly.

AUBURN SETS STOCK CAR RECORD

Above picture shows the cars lined up for 100 mile stock car race held July 4th on the Rockingham board speedway at Salem, New Hampshire. The race was won by Wade Morton driving a stripped stock Auburn 8-88 roadster. Second place was annexed by Frank Lockhart in a six-cylinder stock supercharged Mercedes of over 300 cu. in. disp acement. Average speed of the winner was 89.17 m. p. h. a record for the distance for stock cars competing under the recent A. A. A. rules. The race was run under the personal supervision of Val Haresnape, Secretary of the Contest Board, American Automobile Association. The field consisted of two Auburns and the Mercedes which although over the displacement limit was allowed to start, the 300 inch rule being waived by the Auburn drivers.

Elliott Valve Spring Retainer

Frank Elliott well known recing driver and his brother C. V. Elliott of 331 E. 33rd St., Los Angeles, have secured patents on an improved valve spring retainer and lock assembly. The invention as illustrated herewith has been in use for more than a year by about 75 per cent of the big circuit A. A. A. drivers on a royalty basis in their Miller built race cars. The assembly incorporates a turned lower washer with a semi-spherical seat in which the two correspondingly ground half locks ride. The locks are provided with double internal ribs which engage the valve stem and when assembled the combination gives the self aligning effect of a ball socket joint relieving the abnormal starins incident to high speed and high spring pressure.



Additional Details on New Auburn Models

By A. H. Packer

ADDITIONAL details on the new six and new eight-cylinder Auburn chassis models which were described briefly in the November, 1926, issue of the AUTOMOBILE TRADE JOURNAL have been recently released by the Auburn Automobile Co. In addition to the two new chassis the large eight is continued, with a number of refinements which contribute to greater power and better performance.

The prices on all models in the line are tabulated below.

Model 6-66	
Roadster	$1095
Sport sedan	1195
Sedan	1295
Wanderer sedan	1345
Model 8-77	
Roadster	$1395
Touring	1445
Sport sedan	1495
Sedan	1695
Wanderer sedan	1745
Model 8-88	
Roadster	$1995
Touring	2045
Sport sedan	2095
Sedan	2155
7-passenger touring	2295
7-passenger sedan	2595

One of the features of the new line of cars which embody the characteristic Auburn belt line which slopes over the hood as it approaches the radiator is the monocontrol for the Brewster type windshield. This shield, with its slanting glass, gives vision undisturbed by annoying reflections. The range of visibility is increased due to its extreme width.

Fenders on all models are of the full crown type, unusually deep, the actual depth dimension being 4 9/16 in. The apron portions also have unusual fullness which permits extending them forward to within a few inches of the front line of the fenders. This gives the radiator protection from mud splashed by the front wheels.

All cars are provided with rear view mirrors and automatic windshield wipers. On the 8-88, Lovejoy shock absorbers are used all around. On the 8-77, Gabriel snubbers are used all around while on the 6-66 they are supplied at the front. To facilitate attaining smooth operation at high speeds, all cars have engines provided with vibration dampers at the front.

Four-wheel brakes and Columbia axles are continued, but the brake shoes are now

Above: Auburn 6-66 sedan. Lower: The 8-77 five-passenger sedan

stampings of steel. To give equal action on the front brakes when rounding a curve, a short equalizer at the front axle is provided. There is also an equalizer at the pedals which gives an approximate 60-40 division between rear and front brake application. There is no equalizer at the rear brakes, however, and the construction of these is conventional, the external contracting type of brake being used. The equalizer at the pedals has a special construction which limits its action so that if one set of brakes should become inoperative the other set would still function. On the eight-cylinder cars the emergency brake handle is on the instrument board, while on the six-cylinder cars it is in the conventional position at the side of the gear shift lever. In all models the emergency brake operates on a drum at the front of the propeller shaft.

The new model 6-66 is built on a chassis which has a wheelbase of 120 in. and is powered with a Continental engine which has a bore of 2⅞ in. and stroke of 4¾ in. The frame stock is 5/32 in. and the channel depth is 6 in., seven cross members being used. The Long model 8F clutch is used with a Nice throwout bearing. This bearing is lubricated from an oil cup mounted at the upper edge of the toe-board. The Warner transmission, a unit with the engine, has ratios of 3.07, 1.77 and 4 to 1 in low, second and reverse respectively.

The engine in the model 6-66 uses chain drive for the camshaft and generator, the ignition unit being driven from the generator. There are four crankshaft and four camshaft bearings, lubrication being by pressure to main, connecting rod, and camshaft bearings and splash to the piston pin which has its bearing in the rod. The fan and water pump are in one unit, driven by a V type belt. The starter uses Bendix drive to the flywheel. Remy electrical units and U.S.L. battery are employed.

The new model 8-77 is built on a chassis having a wheelbase of 125 in. It uses a model G Lycoming engine which has a 2⅝-in. bore and 4¾-in. stroke. Other features of the 8-77 chassis are similar to those of the other Auburn models. The engine is said to develop 77 hp. and make possible a maximum speed of 75 m.p.h.

On the big eight, which is model 8-88, the power of the Lycoming model 4 H. M. engine has been increased by several changes. The iron pistons have been replaced with Bohnalite with the invar strut. Connecting rods instead of being steel are now made of duralumin. The valve lift has been increased 1/32 in. and the contour of the cams changed so that no heavier valve springs are needed. These changes have boosted the peak speed from 2800 to 3200 at which point it now develops 90 hp. by actual dynamometer test. In actual use in the car the peak speed is 3960 r.p.m., which represents 80 m.p.h.

The timing chain has been changed from ⅝-in. pitch to 0.4-in. pitch. The radiator core has been thickened ¼ in. to provide additional cooling and a 1⅛ in. instead of a 1¼ in. model S Schebler carburetor is now used. The Ross steering gear has also been changed from model C to model R, the largest gear of this make made for passenger car usage.

The Swan manifold has a larger exhaust passage to balance the larger carburetor and to get the best possible ignition performance at high speed the four-lobe cam distributor with double breakers is employed. A Bishop and Babcock thermostat is built into the upper water outlet connection at the cylinder head, now constructed with combustion chambers having greater turbulence characteristics.

The 8-88 now carries 19-in. wheels which replace the former 20-in. wheels. With this change the gear ratio in the rear axle has been changed from 4.63 to 4.5 for the closed cars while the open cars use a 4.25 ratio. Wheels are now balanced which offsets any tendency for the front wheels to shimmy. Where wire wheels are ordered instead of the wood wheels which are regular equipment, the wheel size is made 18 in. and 30 by 6.75 tires are used. The regular tires are 31 by 6 in.

Other features of the big eight are the use of a PurOlator on the engine, leather covers or spats on the springs and the carrying of the spare tire in a well in the front left fender. This feature applies on the roadster and sedan, while on the sport sedan the tire is carried at the rear.

In the finishing of the model 8-88 the fenders are lacquered to match the bodies. In the interior there are two smoking sets in the rear compartment, one at each side, while the cigar lighter is in the center of the roof so that it can be reached with equal facility by occupants of either the front or rear seat.

Pontiac Marine Engine

In a new model of marine engine marketed under the trade name of the "Gray Six Forty" by the Gray Marine Motor Company, Detroit, the major units of a Pontiac Six automobile powerplant are employed.

The Pontiac engines supplied to the Gray company by the Oakland Motor Car Co. are shipped minus manifold, transmission, clutch, carburetor and distributor.

ATWATER KENT RADIO

1928

An Announcement by

A. ATWATER KENT

IT IS only right that purchasers should share in the results of up-to-date manufacturing methods. This is the tendency of the times.

In our 15½ acre factory our production engineers and other experts, since the inception of radio, have been working out manufacturing economies, possible only with operations on a large scale.

These advancements have enabled us not only to maintain but constantly to improve the quality of Atwater Kent Radio.

Therefore the public will receive the benefits of a 20 per cent average reduction on all our radio products, beginning immediately.

The new prices are in keeping with the long established Atwater Kent policy of sharing with the public the results of economies as fast as they are put into practical operation.

A. Atwater Kent

ATWATER KENT MANUFACTURING COMPANY

ATWATER KENT RADIO

The vast momentum of popular demand makes possible amazing new prices for 1928

RECEIVING SETS

Model 35 . .	$49	Model 33 . .	$75
Model 30 . .	65	Model 32 . .	90

RADIO SPEAKERS

Model E . .	$24	Models H & G	$15
Model L . .	$12.50		

"B" POWER UNIT

Type R . .	$39.50	Type S . .	$44.50

Effective Now

Prices slightly higher from the Rockies West, and in Canada

A. Atwater Kent, President, 4801 Wissahickon Ave., Philadelphia, Pa.

More and More

There never has been in the history of the automobile industry public acceptance of a product such as that accorded to Chrysler.

We have indicated on these pages the growth from year to year. It is safe to assume that the 1928 record will be just as phenomenal.

And more and more Chrysler dealers are needed to take care of the ever-increasing demand for Chrysler cars.

Today there are four complete lines of Chryslers covering every principal price field from $725 to $3595. Practically everyone in your community is a prospect for some Chrysler. No matter what conditions may be, you can be sure of selling Chryslers all the time. This would not be so if you were held to a single line or perhaps a couple of lines. To duplicate the Chrysler business you would have to be signed up with a number of factories operating under a variety of different policies and committed to a terrific expense for sales and service facilities which the simple Chrysler sales agreement eliminates entirely.

During the past sixty days hundreds upon hundreds of dealers have been added to the Chrysler organization.

There are still a few openings left. Don't YOU overlook this opportunity to share in the prosperity of Chrysler.

If you handle another line, you must realize that you are steadily and surely seeing more business go to this progressive line. Don't fight it—*join it.* There's no profit in opposing a winner. Join it, and BE one.

The 1927-1928 Chrysler sales agreement

9th in 1926

18th in 1925

27th in 1924

WIRE, WRITE

CHRYSLERS

? in 1928

4th in 1927

represents an opportunity which we candidly believe is without equal in the industry.

It is possible for a Chrysler dealer to sign up only for the Chrysler "52" and yet to have the other models—"62," "72" and Imperial "80"—available at call without any definite commitment except for the "52."

Can you imagine what a tremendous advantage this most unusual franchise gives you?

No need to stock the full line—no need to display the full line.

It will pay you to find out all the details of this Chrysler agreement.

Send in the coupon and we will be glad to give you all the information, holding your inquiry in strictest confidence.

Chrysler Sales Corporation, Detroit, Mich.
Chrysler Corp. of Canada, Limited, Windsor, Ont.

OR PHONE NOW

C O U P O N

Chrysler Sales Corp., Detroit:—

Gentlemen:—Please send me complete details of the new 1927-28 Sales Agreement

*Name*_____

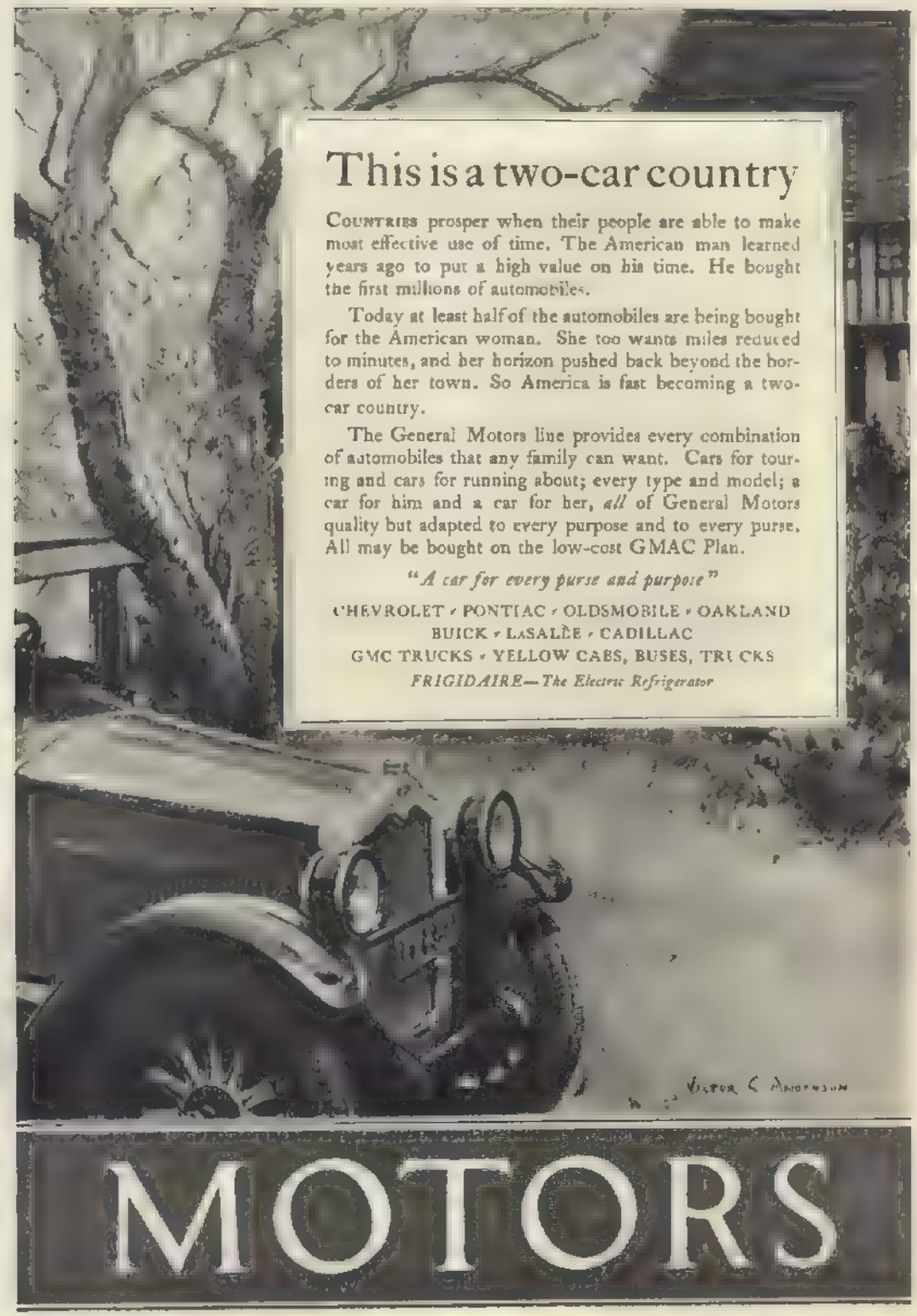
*Address*_____

*City*_____ *State*_____

NOW this family
can have its own car
This is a famous drawing by a famous artist. It was made some years ago. Today any family entitled to credit may have its own car and pay for it through the GMAC Plan.
When time payment became an accepted form of car purchase, General Motors instituted the GMAC Plan to make sure that the sale of General Motors cars on credit would be in accord with sound credit principles and the best interests of the car buyer. GMAC rates have always been low; and the last reduction has saved General Motors' customers more than $12,000,000.
General Motors' line includes "a car for every purse and purpose," a suitable model for every income. And every sale under the GMAC Plan assures a transaction that will hold good will.
"A car for every purse and purpose"
CHEVROLET • PONTIAC • OLDSMOBILE • OAKLAND
BUICK • LaSALLE • CADILLAC
GENERAL MOTORS TRUCKS • YELLOW CABS & COACHES
FRIGIDAIRE—The Electric Refrigerator
GENERAL

MOTORS

GENERAL



This is a two-car country

COUNTRIES prosper when their people are able to make most effective use of time. The American man learned years ago to put a high value on his time. He bought the first millions of automobiles.

Today at least half of the automobiles are being bought for the American woman. She too wants miles reduced to minutes, and her horizon pushed back beyond the borders of her town. So America is fast becoming a two-car country.

The General Motors line provides every combination of automobiles that any family can want. Cars for touring and cars for running about; every type and model; a car for him and a car for her, *all* of General Motors quality but adapted to every purpose and to every purse. All may be bought on the low-cost GMAC Plan.

"A car for every purse and purpose"

CHEVROLET • PONTIAC • OLDSMOBILE • OAKLAND
BUICK • LaSALLE • CADILLAC
GMC TRUCKS • YELLOW CABS, BUSES, TRUCKS
FRIGIDAIRE—The Electric Refrigerator

MOTORS

"HELLO, Uncle Ben!"

Uncle Ben works on the railroad, but he works for General Motors too. For General Motors is one of the railroads' largest customers. Last year it paid in freight bills $74,000,000, much of which the railroads passed on, as wages, to their 1,800,000 employes.

So all businesses are linked together. Money that you pay a dealer in your town for a General Motors car comes back to the town in many different ways. Every family, whether dependent on a railroad, a farm, a factory or a professional office, shares in the prosperity of every industry in the land.

"A car for every purse and purpose"

CHEVROLET · PONTIAC · OLDSMOBILE · OAKLAND · BUICK
CADILLAC · GMC TRUCKS · YELLOW CABS, BUSES, TRUCKS

FRIGIDAIRE — The Electric Refrigerator

GENERAL

MOTORS

New Peaks
of speed, power and safety

Super-Six Principle now released to

For more than four years development has been concentrated on an automobile that now easily tops any accomplishment thus far known.

There is nothing with which to compare it in performance, stamina, safety, and economy of operation. It has comforts that are now absent in even the costliest of cars. It has a beauty in line and appointments comparable with the richest and most exclusive custom-built cars.

The possibilities of the Super-Six principle have long been known to automobile engineers. But patents have kept others from its use, and we were unwilling to release its capacity faster than a car could be developed that in every particular adequately matched the smoothness, power, and stamina of the motor.

Nearly one million cars embodying this principle have been built; and, although the full possibilities have been held in check, they have proved what may be expected of this new car.

Tests of a stock chassis under official observation established the record of 102.53 miles per hour. But speed was not so much sought for as was the ability to maintain any wanted speed for any length of time with complete comfort and safety to driver, passenger and car.

That meant a chassis comparable to such a motor. It meant a body suitable in beauty, finish and comfort to such pre-eminent performance.

To build such a car in sufficient quantities as

SHOWN FOR THE FIRST TIME AT THE

HUDSON

Custom Built Models: ROADSTER • PHAETON • BROUGHAM • 5-PASSENGER SEDAN • 7-PASSENGER SEDAN
Standard Models: COACH • SEDAN

long held in check its full capacity

its merit commands, and at a price that will give it widest sale, required the investment of millions of dollars in buildings and equipment. That program is now completed. And the car will be exhibited for the first time at the New York Automobile Show beginning January 8, 1927. It will be shown at all subsequent automobile shows, and later by dealers everywhere.

Also in an Essex Super-Six—

At a Price Within the Reach of Millions

The development of the new Hudson just described led, also, to the creation of a smaller automobile—a counterpart in general appearance, in smoothness, comfort, quality, easy riding, and safety. It is the Essex Super-Six.

It, too, has stamina. It is capable of 50 miles an hour all day long if you want that, yet that is far below its maximum speed. It has great flexibility. It is economical and requires the minimum of attention. The bodies are in keeping with its chassis—beautiful in line, finish, upholstery, fittings, and color. To those who require two automobiles, it makes the ideal companion of the larger. Throughout, it matches in material and workmanship the standard set in the larger car.

The smaller model will sell at little more than you pay for any "four". It, too, will be exhibited for the first time at the New York Automobile Show.

NEW YORK AUTO SHOW JANUARY EIGHTH

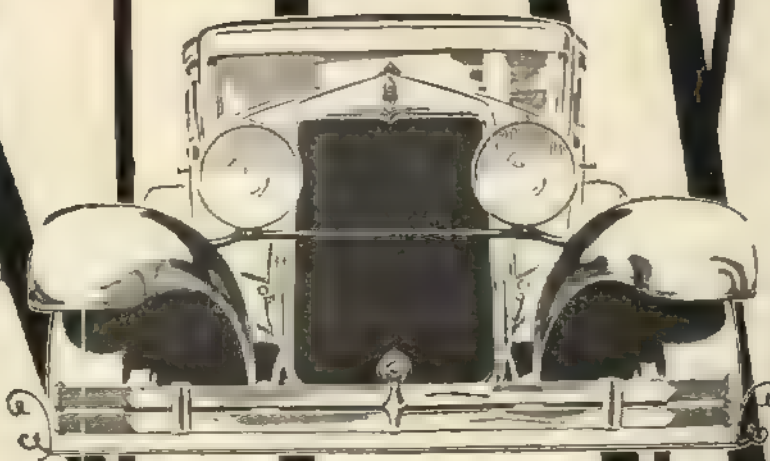
ESSEX

2-PASS. SPEEDABOUT • 4-PASS. SPEEDSTER • COACH
COUPE • SEDAN

Dealer applications held confidential
Write Hudson Motor Car Co., Detroit, Mich.

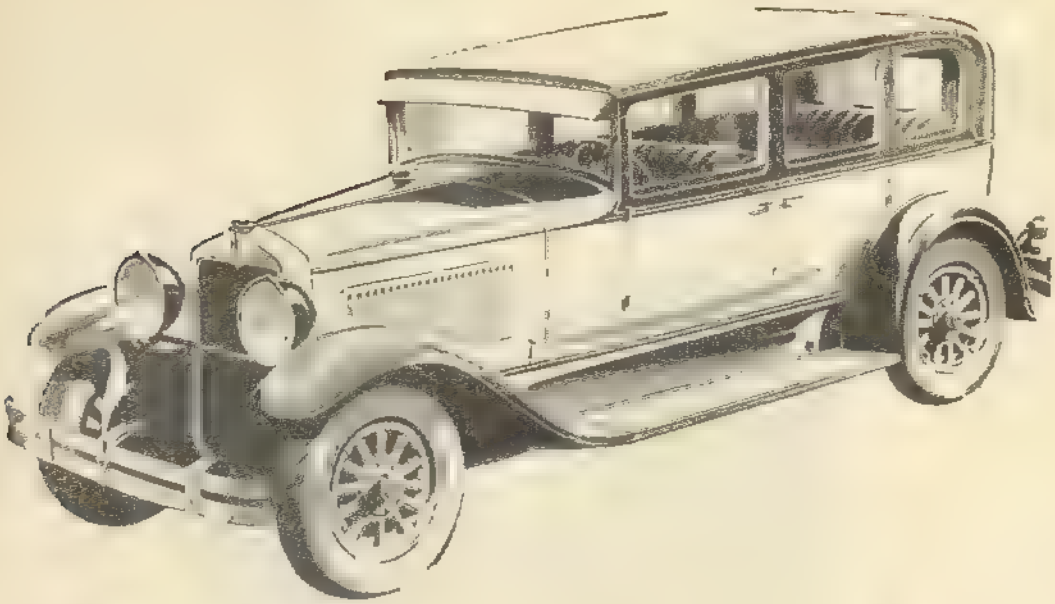
Announcing the

NEW

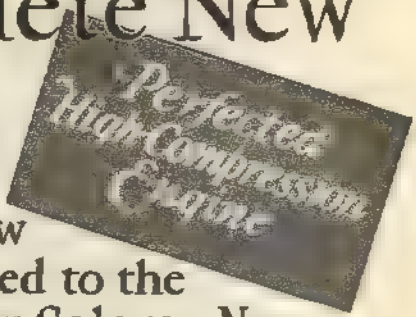


HUPMOBILE

To Dealers: The stage is set for the greatest year in Hupmobile distributor or the Hupp Motor Car Corporation



A Complete New Line of Sixes

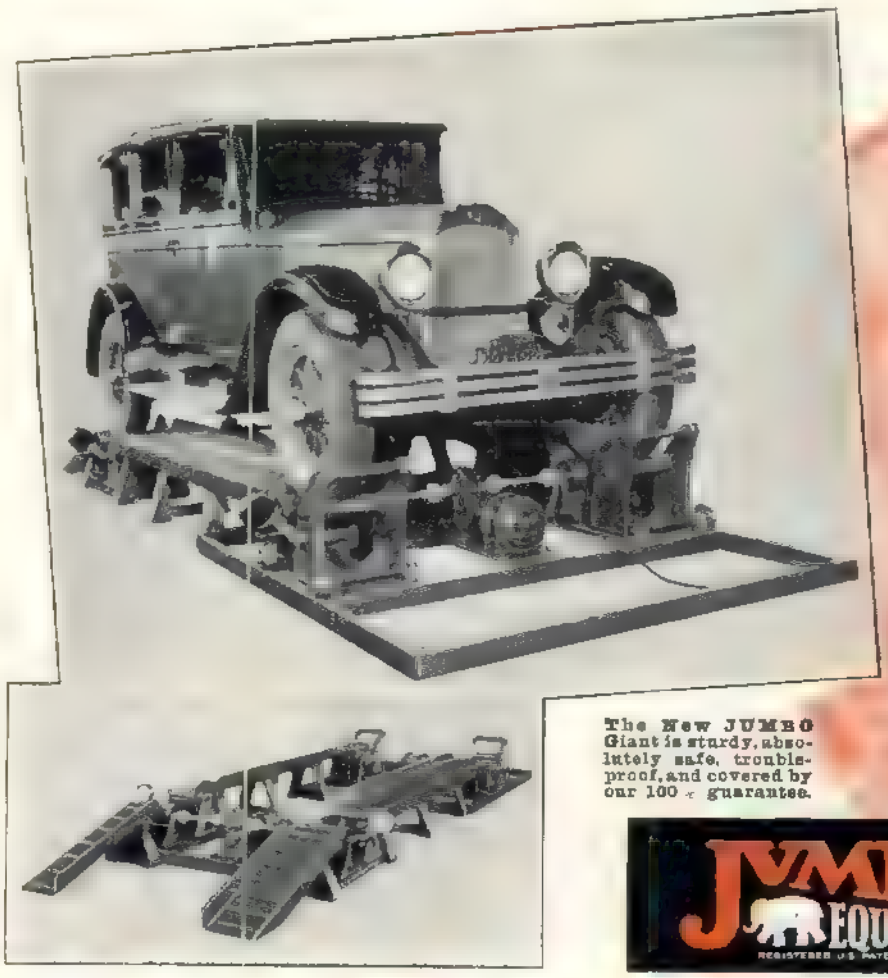


Hupmobile Through and Through, but how Wonderfully Transformed to the Eye! New Bodies . New Colors . New Hupmobile-Midland (Steeldraulic) Brakes

1928 SIX

history. Write or wire your nearest Hupmobile for details of Hupmobile's future plans . . .

The Greatest Benefit to the New Jumbo Four Wheel



The New JUMBO Giant is sturdy, absolutely safe, trouble-proof, and covered by our 100% guarantee.

JUMBO EQUIPMENT
REGISTERED U.S. PATENT OFFICE

Industry Since 4 Wheel Brakes

Giant Brake Tester

The talk of the times is "brakes." Many states require periodic inspection and perfect adjustment. Such laws are rapidly spreading. The New JUMBO Giant is thoroughly up-to-the-minute—quick, convenient, accurate, profitable. A great business builder.

- makes your shop "Brake Headquarters"
- attracts a constant stream of new business
- can earn $10,000 and more per year for you
- pays for itself in 90 days

Brake adjustment is today's most important factor in motoring safety and enjoyment
The ONLY way to insure perfect braking is with accurate mechanical equipment not guesswork. Perfect braking means correct balance between front and rear brakes, and properly equalized right and left.
The JUMBO Giant Brake Tester accurately shows the relative braking power on each wheel and on all four wheels at once. It makes perfect adjustment quick and easy.
Each four wheel test and adjustment takes 30 to 40 minutes including rounding up the bands, freeing the equalizers, checking cotter pins, cleaning and lubricating all brake mechanism.
You can make 15 to 18 such adjustments daily, and these will produce 3 to 4 relining jobs besides other service work that pays you good money.
You can see that the New JUMBO Giant quickly pays for itself—and after that this profitable business is "velvet."
Lower in price. Partial payments may be arranged.
Be the first in your locality to offer this Super-Service. Send the coupon for the whole story.

Sold by Leading Jobbers
PRICE-HOLLISTER CO.
Rockford, Illinois

JUMBO EQUIPMENT
REGISTERED U.S. PATENT OFFICE

The PRICE-HOLLISTER CO. Dept. E-11
ROCKFORD, ILLINOIS

Please send details on JUMBO Giant Brake Tester without obligation to us.

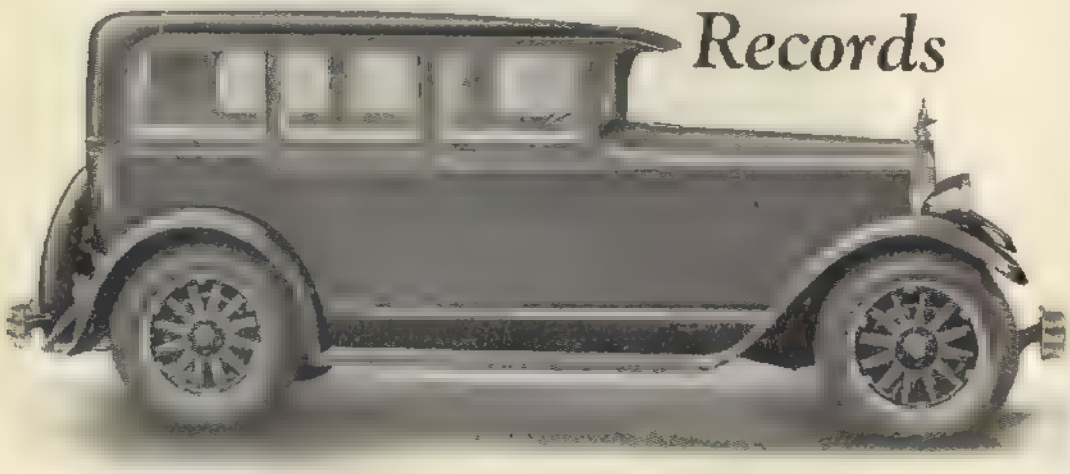
Name .....

Address .....

City .....

LONG VELIE LIFE

Such luxury! Such Price! Setting Sales *Records*



Model 60—Fully Equipped, $1585, F. O. B. Factory

SILENT POWER

Motor and Axles by Velie. Vibration is absolutely eliminated at all speeds in this great motor with its over-strength crankshaft

Velie dealers know how motorists welcome the luxury of tremendous power, delivered with absolute *silence* by this Velie-built motor. It is this quiet power, with its extreme ease of operation and dependability, which is making sales records and most attractive profits—for Velie distributors.

In the above, Model 60, the powerful Velie motor is even greater in speed and power. Flexibility and acceleration are increased. Vibration is reduced to the vanishing point by an inbuilt feature of the motor itself—not by a complicated added device or a neutralizer.

Remember that the Velie line is Velie made, not assembled. Long life is in every part.

BEAUTY

Bodies by Velie

The luxury of Velie power and silence is more than matched by the sheer beauty of its aristocratic body and interior appointments, which attain a practical refinement of luxury from the beautifully planned exterior to the charmingly distinctive interior details which make proud owners.

Graceful lines, low center of gravity, 4-wheel brakes and balloon tires go hand in hand with deep, low seats, special harmonizing mohair, and a wealth of comfort giving appointments.

—and of all Velie surprises the customer is most delighted with the modest price.

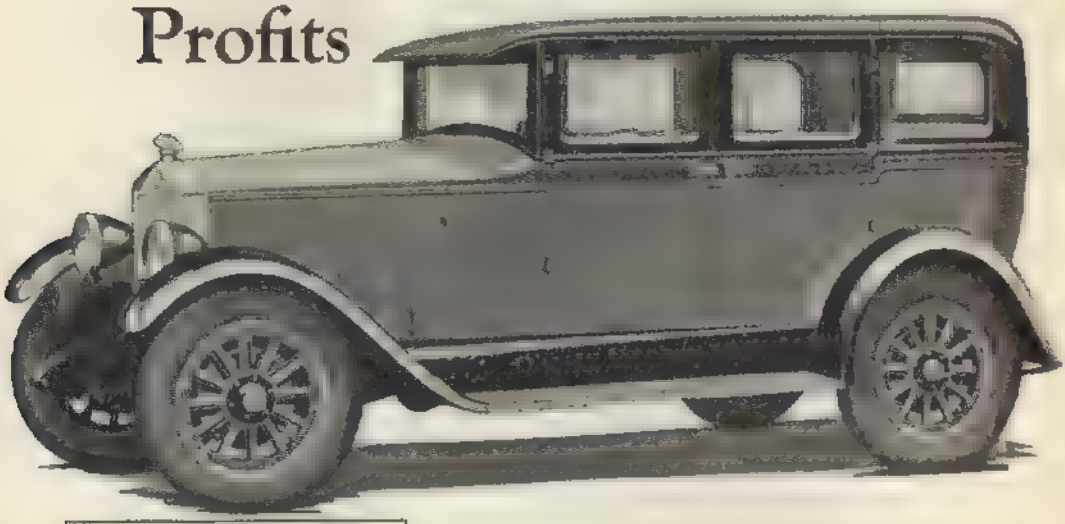
Never before has the Velie franchise been so valuable

VELIE MOTORS CORPORATION

MOLINE, ILLINOIS

LONG VELIE LIFE

Value! Beyond All Competition—Real Profits



Showing the "Show"

At the New York show the Velie Line with this Sedan at $1045, stood out sharply as *the greatest value in its price class.*

Comment was freely made that a car of such beauty, performance and economy would be expected to sell for $300 more *at least!*

What an advantage to holders of the Velie franchise! How competition dwindles in the face of such features as those listed at the right!

Completing the Velie line, this remarkable Sedan makes the Velie proposition one of unmatched possibilities. And the Velie franchise is *different*—a business of your own.

Velie builds two lines—standard six Sedans and Coupes, 112-inch wheelbase, $1045 up—special six Sedans and Coupes, 118-inch wheelbase, $1450 up.

PROFIT FEATURES

Found in No Other 6-Cylinder 4-Door Standard Sedan, 56 Inch Tread at Its Price

1. The most powerful car at its price.
2. Only valve in-head motor in any car priced under $1200.
3. Only motor with forced pressure lubrication to the valve mechanism.
4. The strongest construction.
5. Only motor with Lanchester type vibration dampener.
6. Only radiator capacity of 4¾ gallons.
7. Only four-wheel hydraulic brakes.
8. Only car with heat indicator on the dash.
9. Only car with 182¼ inches of spring equipment.
10. Lowest cost—price and weight considered

If the Velie franchise is open in your community—investigate

VELIE MOTORS CORPORATION

MOLINE, ILLINOIS

WHICH
Is the Jack

BUY your jack for the job *you* do—and don't just buy a jack. The service shop where buses are repaired needs a different jack than the ordinary garage. Your customers tell the story by the sort of work they bring you.

Study the abilities of these four Weaver Jacks.

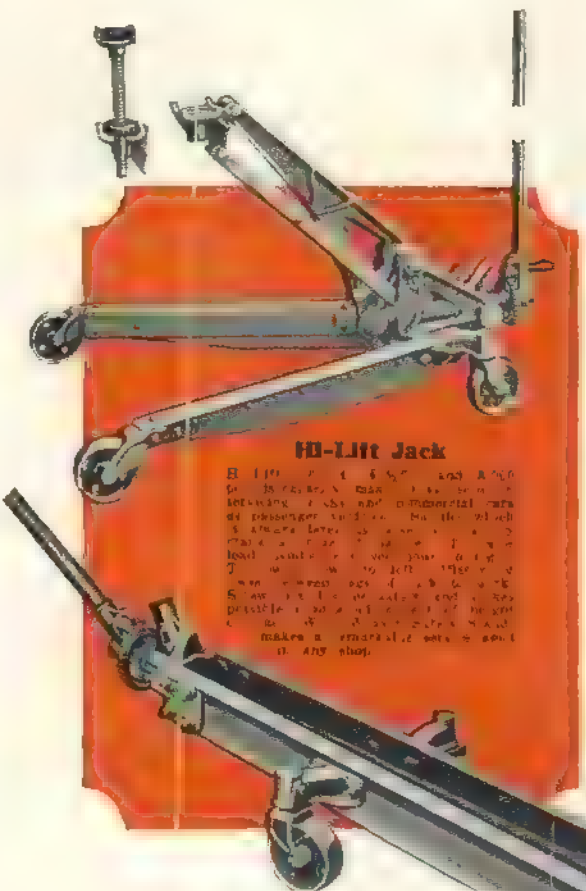
All have a wide range of general usefulness. But each has its special features — its particular kind of helpfulness — its outstanding Jack-ability.

Which would be *yours?*

The Coupon in the Corner Brings You Further Facts—By Mail!

WEAVER MANUFACTURING CO.
Springfield, Illinois, U. S. A.

Weaver Canadian Company, Ltd.
Chatham, Ontario, Canada

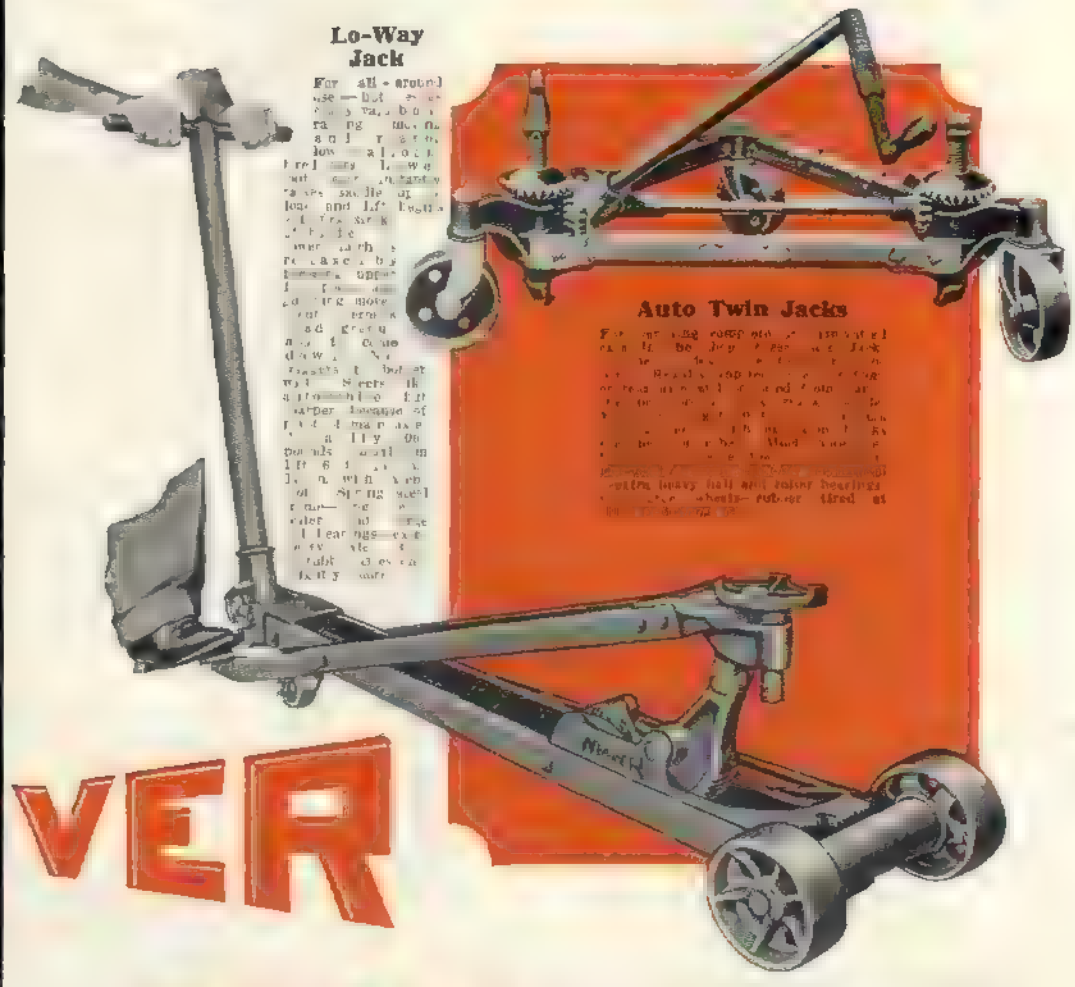


Hi-Lift Jack

Truck Jack

WEA

JACK
Your Work Requires ?



Lo-Way Jack

Auto Twin Jacks

VER

JACKS

Weaver Manufacturing Company ATJ 9
Springfield, Illinois

Please have complete information about the jack checked below.

( ) Weaver [illegible] Jack ( ) Weaver Lo Way Jack
( ) Weaver [illegible] Jack ( ) Weaver Auto Twin Jack

Name

Street

City State

ADV. PICARD SOHN, NC N. Y.

a whale of a profit!

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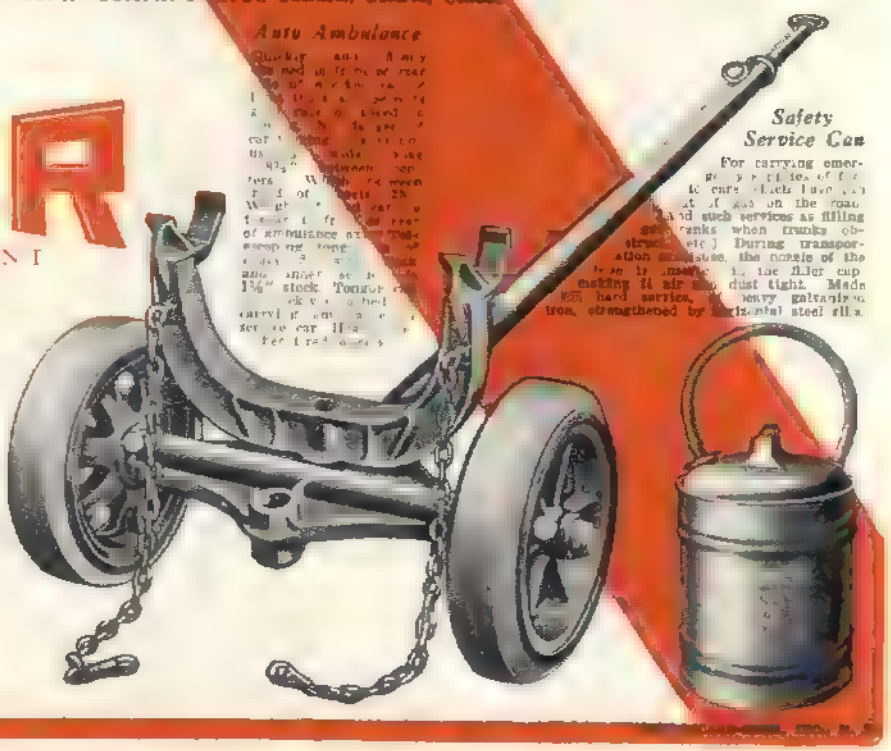

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New Cars and Models

1000 hp. Car Will Try for New World's Record

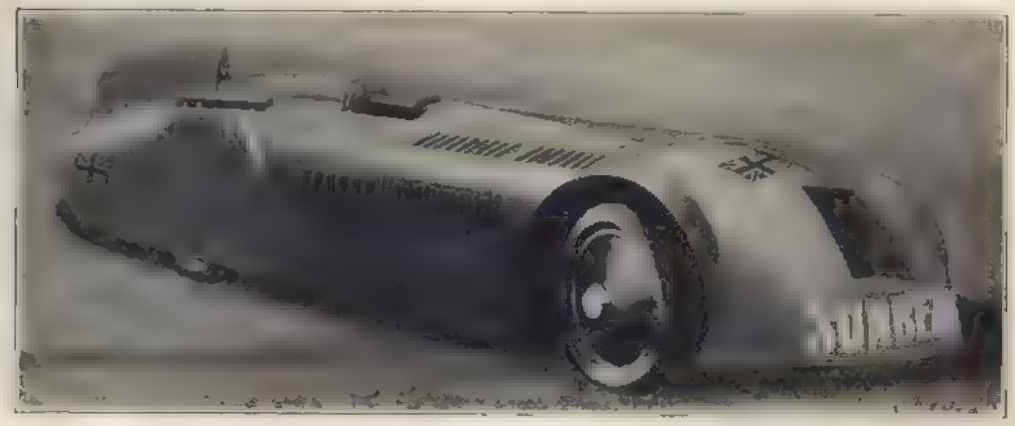
A WORLD'S record of 200 miles an hour or better is the goal Major H. O. D. Segrave, veteran British driver, hopes to attain with the 1000 hp. Sunbeam racing car when he pilots this creation over a specially constructed course at Daytona Beach, Fla. The car has a theoretical maximum speed of 220 m.p.h. He will be timed under the supervision of the Contest Board of the American Automobile Association

The record at Daytona Beach, of 157 m.p.h. was made in 1921 in a Duesenberg car of only 583.8 cu. in. piston displacement, driven by Tommy Milton. Major Segrave made a record of 149.328 m.p.h. at Pendine Sands, Wales, in a 12-cylinder Sunbeam. A year ago J. G. Parry-Thomas, another British driver, who was recently killed, attained a speed of 170.62 m.p.h. In February of this year, Capt. Malcolm Campbell was officially clocked at Pendine Sands at 174.2 m.p.h.

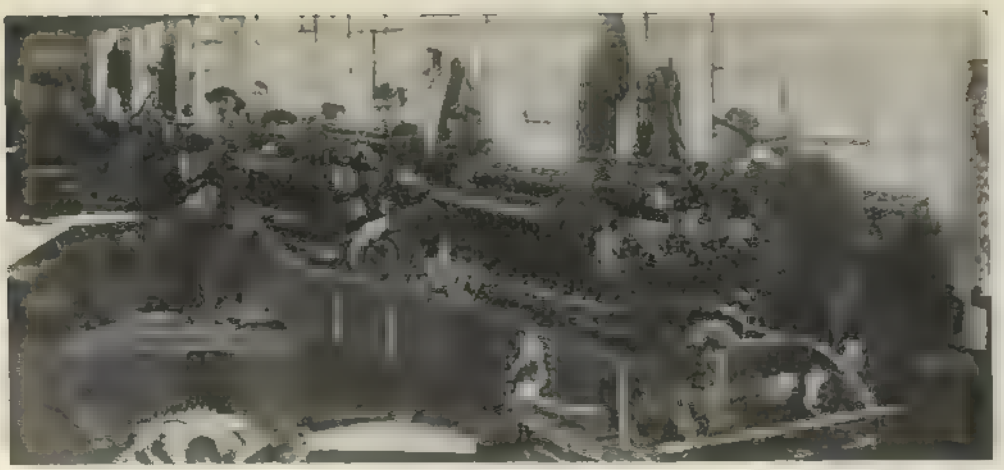
The car has two 12-cylinder airplane engines, one in front and the other over the back axle. Each of these engines develops 500 hp. at its normal rate of rotation, viz., 2000 r.p.m., though if necessary a higher speed and an increased output can be secured.

These engines have their 12 cylinders set in two rows of six at an angle of 60 deg. Each cylinder has four valves and there are four overhead camshafts for each power unit. The bore and stroke are 122 x 160 mm. (approximately 4 13 16 by 6 5/16 in.) so the piston displacement of each engine is, roughly, 1380 cu. in., or 2760 cu. in. in all. There are four six-cylinder polar-inductor magnetos for each engine and two Claudel carburetors with compressed air feed.

The chassis frame consists of two massive side rails of pressed steel 4 mm. thick, nearly 2 ft. in depth at one point and over 14 in. deep throughout the greater part of their length. The side members extend well behind the rear axle, the extreme end carrying a gas tank with a capacity of 33 gal. At the front there are dual dumbirons on each side, one unit curving down from the top of the frame and the other curving up from the bottom, the two meeting in a bracket on a stout tubular section cross member. Through the beetle horn front ends of the frame thus arranged, the



Major Segrave's 1000 hp. Sunbeam with two 500 hp. 12-cylinder engines



Sunbeam sprint car with body removed. Note the massive frame side rails with double spring horns at front

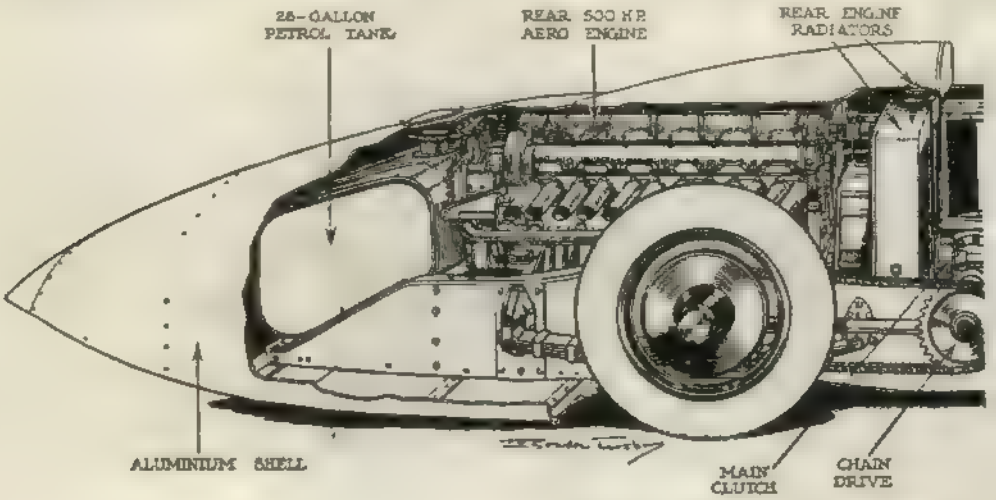
front axle passes from side to side, while the rear axle—solid and cranked to pass below the rear engine—passes through an oval-shaped hole in each side member, which at this point has its maximum depth. Each engine, weighing 1100 lb., is mounted on a subframe with three spherical points of support.

The way in which the two engines are coupled together and to the transmission is a special feature of the design. At the back of the front engine is a large friction clutch, inside of which is a dog clutch and from this extends rearward a shaft coupled up to the rear engine. When the car is to be used the front engine is first started by compressed air, the friction clutch is engaged and this has the effect of starting the rear engine. At this stage the dog clutch is allowed to engage and thereafter the two engines run solidly together.

In the length of the coupling shaft between the two engines is a multiplying gear connected through the main control clutch to a three-speed gearset, the primary shaft of which is caused to rotate 2½ times as fast as the engines. The main clutch is of the plate type with 11 bronze and 11 steel plates running in oil.

From the three-speed gearset the drive passes to bevel reduction gearing on a universally jointed countershaft having at each end a sprocket for the side chains, which form the final transmission. There is no differential.

Offhand it may be difficult to understand why a multiplying gear on the engine or power side of the main clutch and gearset is used and a reducing gear on the other side of the gearset. The idea is to make it possible to use a main clutch and gearset of dimensions similar to those previously used in Sunbeam racing cars, since, with the higher speed of the shafts the torque



This pen sketch of the Sunbeam was

stresses on teeth and shafts are less than they would be at engine speed. But for this arrangement an immense clutch and an equally immense gearset would be required, calling for a chassis very much higher off the ground; moreover gear shifting would be an extremely heavy and difficult operation.

As indicating the size of the gears that are considered necessary to transmit engine torque directly, it may be said that the reducing gear on the power side of the three-speed gearset has teeth approximately 2 3/16 in. wide, the overall diameters of the driving and driven gears being respectively 13 in. and 5 in.

The car, it will be realized, has no direct drive; nevertheless the efficiency of the transmission is said to be approximately 85 per cent on the top gear ratio, which is 1.017 to 1. The other ratios are: Second, 1.56 to 1; first, 2.968 to 1, and reverse 2.6125 to 1. At the normal engine speed of 2000 r.p.m. the theoretical road speed is 73 m.p.h. on bottom gear, 138 m.p.h. on second and 212 m.p.h. on high.

Four-wheel brakes, pedal-operated through a Dewandre vacuum servo, are used; a hand lever actuates the shoes in the rear drums only. The shoes have cast-iron friction facings.

The wheelbase of the car is not excessive, being 141 in.; the track, however, is wider than usual, viz., 62 in., while the complete overall length is 23 ft. 6 in. and the overall width 72 in.

Specially made Dunlop high-pressure tires are used (36 x 6¾ in.) on wide base rims with security strips. The tires have very thin treads, for obviously at the high speeds expected a thick tread could not be held to the casing against centrifugal force.

The top, which incloses both of the engines and the rear wheels, is only 46 in. above the ground and the ground clearance at the lowest point is, roughly, 7 in. Armor plates are fitted around the tires and around the driving chains to guard against damage in the event of a tire tread or chain flying off at speed.

Driver is Well Protected

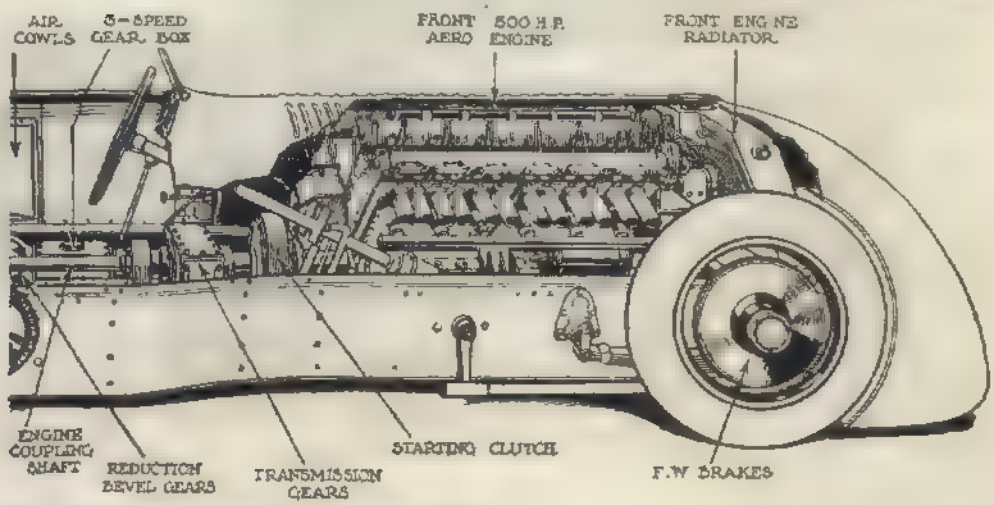
To give the driver a reasonable chance of escape from serious injury in case of accident the car is fitted with an undershield of steel plate 6 mm. (roughly ¼ in.) in thickness, the idea being that the car will slide along the ground on this shield if by any chance a wheel should come off. In front of and behind the driver are stout steel hoops within the body to prevent it from being crushed in if the car overturns.

The actual wind resistances at various speeds are as follows:

Speed	Wind Resistance
180 m.p.h.	740 lb.
190 "	830 "
200 "	930 "
210 "	1020 "

Experiments have shown that there will be some remarkable forces at work when this car runs at its maximum speed. In the first place, air pressure on the front portion will tend to force the "nose" and wheels into the ground, and at the rear end a smaller force will try to raise the tail. Roughly, the pressure downwards on the nose is 700 lb. while lifting pressure at the tail is 200 lb. It is estimated, too, that at a speed of 200 m.p.h. something like 500 hp. will be necessary to overcome wind resistance alone.

Note—A speed of 166.51 m.p.h. was attained in the Sunbeam by Major Segrave in his first test at Daytona Beach, March 24. This breaks the official world record for Daytona Beach, but not the world mark of 174.2 m.p.h. by Capt. Malcolm Campbell in Feb. at Pendine Sands, Wales.



drawn by a staff artist of the British Autocar

New Cars and Models

The New Dodge Senior Six at $1,595 is Announced

Latest Addition to Its Line is Notable for Its Straightforward Design and Also Its Four Wheel Hydraulic Brakes

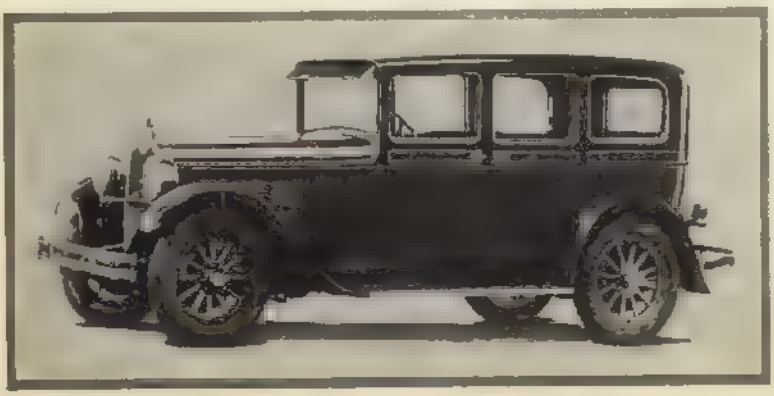
By Athel F. Denham

REPRESENTING the first entry of Dodge Brothers into the six-cylinder field, the new Senior Line which is now being introduced involves no radically new features of design. While only a single body type is available at present, a four-door sedan, which lists at $1,595, Detroit, other models including a four passenger coupe and a cabriolet roadster will be added.

An unusually heavy crankcase features the engine used in the new car, which although built by Continental has been designed and developed by Dodge Brothers, other chassis units with the exception of hydraulic four wheel brakes being based on the corresponding units in the present four cylinder line, including a single plate clutch, standard shift three speed transmission, semi-floating spiral bevel rear axle with torque tube drive, semi-elliptic springs, I-beam front axle, and worm and sector steering gear.

Incorporated in the six-cylinder L-head engine, with a bore of 3¼ in. and a stroke of 4½ in., is a 69 lb. crankshaft, having seven main bearings, the front bearing which also takes the thrust being 2⅜ in. in diameter, while the others are 2⅜ in. Crankpin diameters are 2⅜ in. throughout. A total of eleven inches of main bearing length is used, divided up as follows: Front 2 1/16, Center 1⅞, rear 2 5/16, intermediates 1 3/16. With a total piston displacement of 223.98 cu. in., this gives a ratio of only 7.91 cu. in. per. sq. in. of crankshaft bearing projected area. N.A.C.C. rating for this engine is 25.3 hp.

Driven by a 1½ in. wide, half-in. pitch Morse center guide chain, provided with a manual take-up by means of an eccentric bushing on the generator support, the 5/16 in. lift camshaft is provided with four bearings, decreasing the diameter from front to rear, the diameter and the lengths of the bearings being as follows:



The four-door sedan of the new Dodge Six line

The engine designed by Dodge and built by Continental

	Diam.		Length
Front	2⅝	x	1 23/32
2nd	2 5/16	x	1
3rd	2 9/32	x	1
Rear	1⅛	x	2

Chromium steel cam followers operate the 1 7/16 in. silchrome exhaust and 1⅛ in. nickel steel intake valves. The combustion chamber has been designed to secure maximum turbulence the highest point being immediately over the intake valve, at which point the spark plug is also located.

Pistons are of the Nelson steel strut aluminum alloy, four ring type, all four rings being located above the piston pin, the three upper being ⅛ in. and the lower 5/32 in. wide, the lower ring being of the oil control type. Two snap rings are used to locate the full floating ⅞ in. piston pin in the piston, the pin itself being 2¾ in. long. Connecting rods are conventional in design, I-beam in cross section and 9⅛ in. between centers, the lower ends being of the spun in babbitt type. Lower rod bearings being 3⅜ in. diameter by 1 7/15 in. long, centrifugally cast in the rod.

Lubrication is by pressure to main, connecting rod and camshaft bearings. From the main header, part of the oil is passed through a filter. Thence it is returned to the chain case, flowing back into the pan. The oil pump, which is enclosed in the sump delivers the oil under pressure through drilled passages to the main bearings. Thence it is fed through drilled passages in the crankshaft to the connecting rods, and through drilled passages in the cylinder block casting to the camshaft bearings. Oil pump drive is by means of the accessories drive shaft located vertically at the left center of the engine, and driven by a worm on the camshaft. The distributor is located at the top end of shaft. A feature of the crankpan which is of pressed steel is a separate splash pan which attaches to the main crankcase with the same bolts as the crankpan, a gasket being used on each side of the splash-pan. Crankcase oil capacity is seven quarts.

Located back of and driven by an extension of the fanshaft near the top of the cylinder block is a centrifugal type water pump, which delivers cooling water through a manifold at the side of the engine to the rear cylinders. This manifold is combined with the removable cover plate, which also serves for the oil filter mounting. Water is also carried around between inlet exhaust valve guides, cored passages also extending to valve seats. An outlet riser is provided at the top of the detachable cylinder head, and is provided at the front end with an integral bellows type thermostat. Small passageways are provided through the thermostat valve and between the pump and the cylinder block to prevent the forming of steam pockets through total lack of circulation.

Both water pump and fan load and thrust are taken through two Timken roller bearings incorporated in the fan mounting, the fan being driven by a ⅝ in. Vee-belt. Take-up for this belt is obtained by screwing the front half of the fan pulley towards the rear half. To prevent oil escaping at the fan pulley, an oil thrower is provided at the front end of the crankshaft as well as a cork washer.

North-East six-volt electrical equipment is used throughout. The distributor has been designed for semi-automatic spark advance, 20 deg. manual control being provided. Ignition timing with full manual advance is set at 12 deg. before top dead center, firing order being 1-5-3-6-2-4. The North-East is mounted on a 5/16 in. baseplate and driven by the front end chain through a laminated spring coupling. This method of drive and mounting enables the generator to be removed without disturbing the timing chain. Bendix starter engagement is used.

Two strainers and a gasoline filter are provided in the fuel line, which is of the vacuum type, the tank at the rear of the chassis holding 16 gallons. A Stromberg 1¼ in. carburetor is standard, while an air cleaner is also furnished. The intake manifold is partially jacketed by the exhaust manifold, a double cored passage being provided in the latter. A double butterfly valve at the rear end of the exhaust manifold, controlled from the dash allows the exhaust gas either to pass directly into the muffler through the passage nearest the blocks or forces it to flow around the intake manifold and escape through the second passage.

Four Point Engine Suspension

Engine suspension is of the four point rigid type, the two front supports being cast integrally with the chain cover plate, and resting on the front frame cross member, while rear engine supports are integral with the flywheel housing. In unit with the engine is the 11 in. single plate clutch built for Dodge Brothers by Borg & Beck, and a standard shift conventional three speed transmission, similar to the type recently adopted on the four cylinder Dodge Brothers chassis. Gear ratio in this transmission in low is approximately 14 to one, while about 18 to one is used for reverse.

Both the countershaft gears and the front end of the spline shaft are supported on Hyatt roller bearings. A feature of the clutch is the ball bearing used in the clutch release mechanism, lubricated by a grease cup with a flexible tube, accessible without removing the floor boards in the car. Centering of the sheet steel clutch housing is obtained by counterboring the flywheel housing. A deflector hole is also provided in the flywheel to take any grease and oil away from the clutch plates.

Following Dodge Brothers' practice, a metal universal and a tubular propeller shaft enclosed in a torque tube is used. Gear reduction in the spiral bevel semi-floating rear axle is 4.54 to one, axle construction following the design used in the four cylinder model, with a pressed steel housing of 7/32 in. stock, chrome vanadium heat-treated steel gears and shafts, and adjustable taper roller bearings. The frame also follows closely on the four cylinder design, the major difference being in the provision of front and rear bumper brackets integral with the spring hangers.

Semi-elliptic two-inch width springs are used front and rear, the rear springs being underslung, 55½ in. long, while the front springs have a length of 37 in. Spring shackles are of conventional design, while the springs are provided with rubber stops above the axle supports. Reverse Elliott ends are used on the I-beam heat treated chrome vanadium steel front axle, steering knuckles being of the same material.

Ease of steering is obtained by using a 13 to one reduction in the worm and sector Gemmer steering mechanism and ball thrust bearings between the knuckles and axle ends. Lockheed hydraulic two shoe self-compensating internal expanding four wheel brakes are operated by the pedal while the hand lever operates the rear wheel brakes through mechanical connections, the rear brake shoes being so designed as to permit the optional use of either hydraulic or mechanical operation. Brake drums have an internal diameter of 14 in. and carry an integral reinforcing flange. Brake lining dimensions are 1¾ in. width, 3/16 in. thickness.

While the four door sedan is equipped with wood wheels as standard, it is possible that additional models in the line may be equipped with disk or wire wheels. Tires on all models are 32 x 6.00 balloons mounted on 20 in. rims.

Composite construction is used for the body of the four door sedan. Individuality is obtained through the use of a very narrow nickel plated radiator shell and horizontal louvres, while double belt moldings give the car a low appearance. Exterior finish is in lacquer, the basic color being blue with black belt moldings and yellow striping. Interior finish is unusually attractive. At present the cars are coming through in either dark gray mohair upholstery or light gray broadcloth.

Neat Instrument Panel

The same materials are used for finishing interior panels, while windows are trimmed in burled walnut. Arm rests are provided for the rear seat, while silk toggle grips, draw shades, foot rest and robe rail are all standard. Grouped under a distinctive instrument panel are an eight-day clock, speedometer, oil pressure gage, ammeter, and electric control gasoline gage, an additional gage being provided on the fuel tank at the rear. The instrument panel is lighted by an external lamp.

At the right of the instrument panel are two buttons for operating the choke and the manifold heat control. A locking ignition switch is provided at the left of the panel. Both throttle and spark control levers are mounted on the walnut steering wheel while the lighting switch is located just below the wheel on the steering column.

Standard equipment in addition to that previously mentioned for the four door sedan are front and rear bumpers, shock absorbers all around, vanity and smoking sets, rear vision mirror, vacuum operated windshield wiper and an engine thermometer on the radiator cap.

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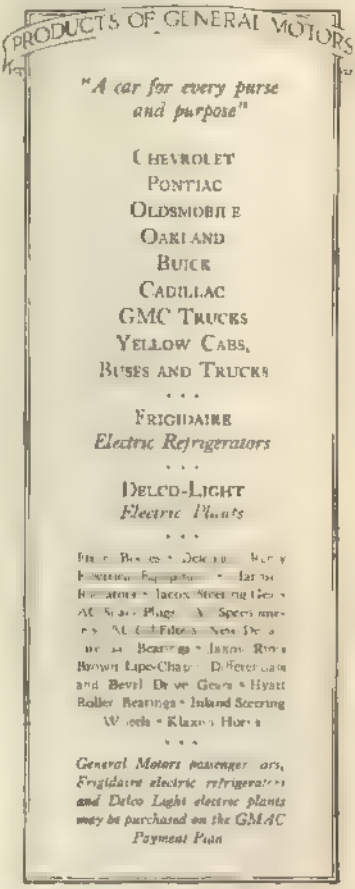

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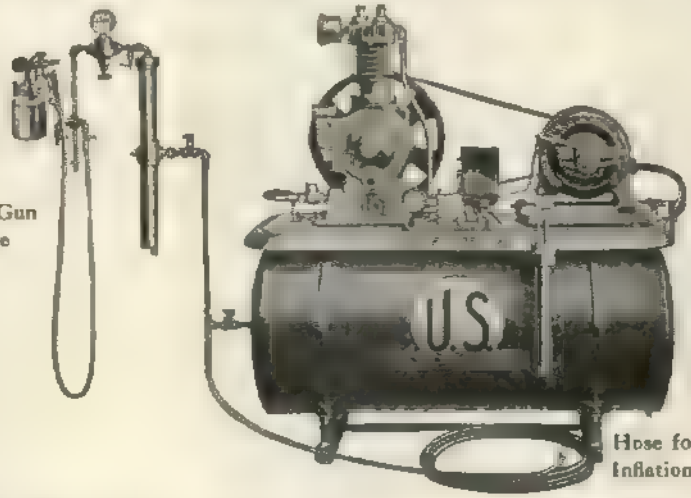

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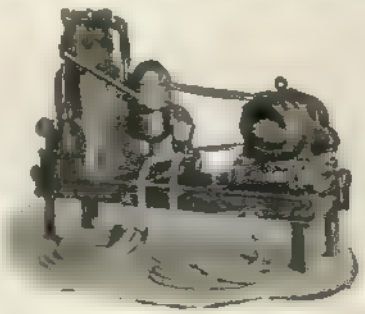

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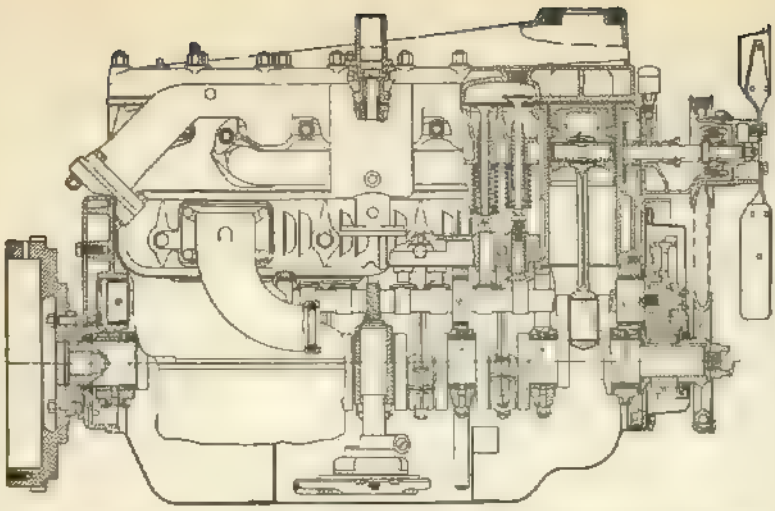


Section through the Wolverine, Reo's latest six-cylinder offering

of 25.2 h.p., and a piston displacement of 199.1 cubic inches.

Seven bronze-backed babbitt lined main bearings are provided on the 2⅛ in. crankshaft. The camshaft is of the four bearing type and driven by a 1¼ in. chain, adjusted manually by means of the movable generator support flange. Minimum lengths of main bearings are 1 7/16 in. for the front, 1 ⅞ in. for center and rear, and 1 3/16 in. for the other bearings. The four camshaft bearings decrease in diameter from front to rear in 1/16 in. steps, the front bearing having a diameter of 2 1/16 in. and the rear 1⅞ in. Lengths are 1 11/32 in. and one inch for the front and rear bearings respectively, intermediate bearings having a length of 23/32 in. Pistons are of the four ring Nelson aluminum alloy type, with a piston pin diameter of 55/64 in. the pin being full-floating and 2 25/32 in. long. Connecting rods are of drop forged steel, 8 1/16 in. from center to center, the lower bearing having a diameter of 1⅞ and length of 1⅝ in. with the bearing spun into the rod.

Crankcase and cylinder block are cast integrally of grey iron, a pressed steel oil pan being used. Cast integrally with the detachable cylinder head is the housing containing a thermostat regulating the water circulation. A circulating water riser is embodied to eliminate any chance of steam pockets forming at the rear of the head. Water circulation is by means of a ball bearing centrifugal pump, a ¾ in. vee-belt driven fan and a Harrison ribbon cellular radiator with a nickel or chromium plated pressed steel radiator shell completing the cooling system, which has a capacity of 3½ gal.

Intake valves are of chrome nickel steel, 1 9/16 in. in diameter. The silicon chrome steel exhaust valves have a nominal diameter of 1 7/16 in., all being actuated by mushroom type valve lifters. A Stewart vacuum system with a 2-qt. tank on the dash supplies gasoline from the 17-gal. tank at the rear of the chassis to a 1¼ in. Schebler vertical outlet type carburetor. Primary air intake for the carburetor follows previous Reo practice, being taken from the crankcase, thus providing a crankcase ventilating system. Full pressure feed to main, connecting rod, and camshaft bearings is provided through a gear pump located in the crankcase, pressure also being provided to the front end timing chain. Piston pins and cylinder walls are splash lubricated.

Engine suspension is of the fourpoint rubber cushioned type, identical with that used in the Flying Cloud. North-East 6-volt electrical units with a Willard 86 ampere hour storage battery are fitted. The model LB-120215 generator is of the unit type, and the model SBH-3604 starter motor is fitted with an Eclipse Bendix starter engagement. Semi-automatic spark advance is provided in connection with the TU-10820 distributor, 22 deg. of the total 42 deg. advance being automatic. Distributor drive is by means of a vertical shaft through the center of the block, the unit being centrally located on top of the block.

An unusual feature of the ignition system is that the manual advance control is located on the dash where it is operated similarly to the choke control. It is rarely necessary to use this as the timing of the engine is based on a full manual advance, the distributor points opening with the flywheel one inch before top dead center. Spark plugs are ⅞ in. standard. Included in the lighting system are Tilt-Ray filament bulb headlights, 3 cp. cowl lights and a rear traffic signal in addition to dome, dash and tail lights, the latter two being wired in series.

A Borg & Beck 10QL single plate clutch and a Warner Gear model AS23-T-64J three-speed selective gear transmission are built in unit with the engine. Gear reduc-

New Cars and Models

Reo Announces Wolverine, a Low-Priced Six

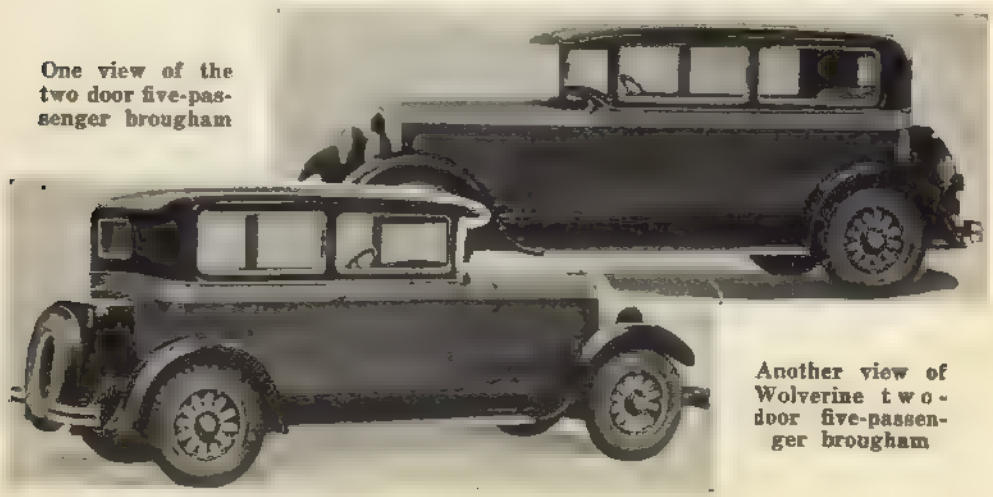
By Athel F. Denham

REO has brought out a companion car to the "Flying Cloud." Built in a single body style, a two-door five passenger brougham, the "Wolverine" Six will be marketed through the regular Reo organization. It has a wheelbase of 114 in. and is priced at $1,195, representing the lowest-priced six-cylinder closed car ever marketed by the Reo Motor Car Company.

With present production schedules on commercial cars and buses in addition to the large production of "Flying Cloud" models, taking up practically the entire capacity of the Reo plants, and in order not to delay the appearance of the "Wolverine," a radical departure from previous Reo practice has been inaugurated in that stock units for the new car are being purchased outside. A special built Continental engine, Borg & Beck clutch, Warner Gear transmission, Salisbury axles and Hayes-Ionia bodies make up the major units of the "Wolverine."

The writer rode in one of the new models which had been subjected to practically 10,000 miles of hard experimental driving, including a trip to the Pacific Coast and back. While nothing had been done to the car, according to Reo officials, except a few minor adjustments, performance was excellent. A high speed of from 60 to 65 m.p.h. according to the speedometer, was easily maintained, acceleration from five to 25 m.p.h. took roughly somewhat less than 20 seconds, and no well defined periods of vibration could be noted anywhere in its speed range.

Although the six-cylinder Continental "L" head engine embodies a number of features of Reo design, it is fundamentally of the same type as used in two other slightly higher priced cars recently placed on the market. Bore and stroke are 3¼ by 4 in., representing an N. A. C. C. rating



One view of the two door five-passenger brougham

Another view of Wolverine two-door five-passenger brougham

tions are 3.114 in low, 1.69 to one in second and 3.78 to one in reverse with direct drive in high. A transmission brake with an eight inch diameter drum, two inches wide is provided and connected to the emergency brake hand lever. Two Universal Products metal type universal joints are fitted to the one piece tubular propeller shaft.

Both front and rear axles are of Salisbury make. The model M 1649E rear axle is of the spiral bevel conventional type, semi-floating and fitted with gears giving a rear axle reduction of 4.45 to one. Annular bearings carry the pinion shaft. The front axle is of I-beam construction with Reverse Elliott ends. Lockheed hydraulic service brakes are fitted on all four wheels. These are of the internal expanding type, drums being 12 in. in diameter, with the lining 1 3/16 in. wide and 3/16 in. thick. The supply system is similar to that used on the Flying Cloud, a reserve tank being located adjacent to the brake pedal providing automatic replenishing of the system.

Steering is effected through a Ross model PA cam and lever steering gear. The steering wheel is 17 in. in diameter and the column shaft has been changed slightly to permit of the fitting of a Hershey coincidental lock. As 80 deg. of steering arm travel are obtained with 2.71 turns of the wheel a turning radius of but 19 feet has been obtained.

Both torque reaction and propulsion are taken by the semi-elliptic springs. These are unusually long, front springs being 37 by 2 and rear 55 by 2 in., metal shackled. Although provision is made on the car for fitting of Lovejoy shock absorbers these are not fitted as standard, the long springs alone giving the car very good riding qualities.

Pressed 5/32 in. channel steel, 6 in. deep is used for the members of the frame, which has a kick-up over the rear axle and 2 in. wide flanges. Tubular cross members are provided at either end with four pressed steel cross members amidship. The usual type of tie-rod is also provided below the frame back of the flywheel to absorb twisting stresses in the frame.

Eighteen-inch wood wheels, mounted on tapered roller bearings with 28 x 5.25 in. balloon tires, on 18 x 4 in. split rims, are standard equipment, while Zerk pressure gun fittings are used at chassis points requiring lubrication.

While the body on the "Wolverine" from the cowl back closely resembles that of the two-door Flying Cloud brougham, the fluted radiator shell and hood and two sets of horizontal louvres give the new car a distinctive appearance. Bodies are of composite construction. Upholstery is in striped mouse gray velour and exterior finish in duo-tone lacquer with colored window reveals and single belt molding. A rather neat instrument panel contains the speedometer, ammeter, oil pressure gage and dash gasoline gage, the instruments being lighted indirectly. The dash gasoline gage is of the dual electric type, an additional dial being mounted on the tank at the rear. Spark and choke controls are mounted to the right of the panel on the instrument board. The lighting switch is mounted on the steering wheel, and the ignition switch is incorporated in the Hershey coincidental switch on the steering column.

Standard-equipment also includes bumpers front and rear, automatic vacuum type windshield wiper, rear vision mirror, locking type tire carrier, black enameled nickel trimmed steel trunk, cowl ventilator, one-piece swinging windshield, cowl lights, door lock, dome light and rear traffic signal. Shipping weight is in the neighborhood of 2800 lb. complete.

New Rolls-Royce Model Increased $2,000

Production by Rolls-Royce of America, Inc., of its "New Phantom" model, an adaption of the improved car recently introduced by Rolls-Royce, Ltd., in England and embodying left-hand drive, four-wheel brakes and other changes needed to meet the American trade, is announced as under way at the East Springfield, Mass., works. The car is said to give one-third more power and is offered at an increase in price of $2,000 over the car produced with the "40-50" or Silver Ghost chassis, which will be continued.

Chandler Adds Coupes

Chandler-Cleveland Motors Corp. has added country club coupe models to its big six and royal eight lines, the former listing at $1,695 and the latter at $2,195. Two color options are offered. Upholstery on the big six model is blue-gray, deep-tufted mohair, and on the royal eight either blue gray mohair or champagne-toned broadcloth.

AC Markets Oil Filter

The AC Spark Plug Co. has placed a complete AC oil filter installation on the market for application on cars not so equipped. The unit package, containing filter and fittings with complete instructions for installation is adaptable for installation on various models of 29 makes of cars.

Letters from Automobile Trade Journal Readers

Questions *Answers*

Current Discussions

Information About Lindbergh's Engine

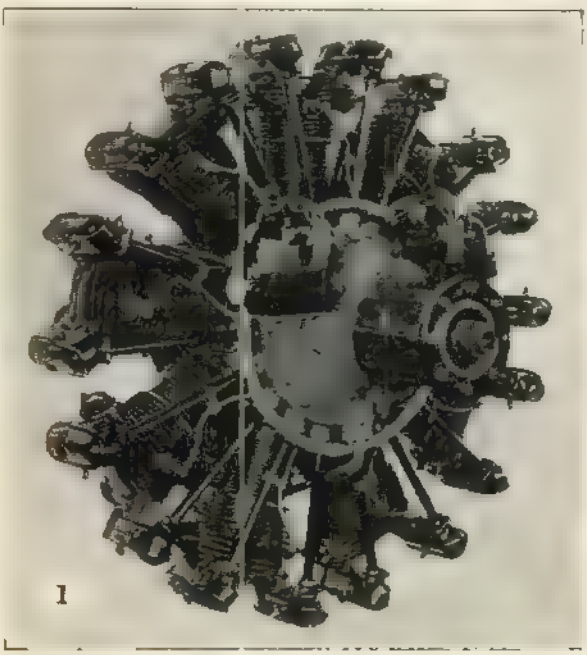
Editor, Automobile Trade Journal:

Will you give us some dope on the engine used in Colonel Lindbergh's Ryan monoplane with which he flew to Paris recently. What we are most interested in is the method of attaching the connecting rods and the firing order?—Gene Burns, Rook St., Denver, Colo.

The Wright Whir wind engine used by Colonel Lindbergh in his New York to Paris flight was of the same make and model as utilized by Commander Byrd and the three engined Fokker which recently completed the San Francisco Hawaiian trip. It is a nine cylinder air-cooled static radial type. The engine operates on the conventional four stroke cycle. The bore is 4½ in. and the stroke 5½ in. giving a total displacement of 788 cu. in.

For the benefit of those readers who are not familiar with the radial type engine it can be stated that the word as applied designates an engine having the cylinders arranged radially (like the spokes of a wheel) about a single point. In a radial engine the cylinders do not revolve—the pistons move up and down in their cylinders in the same manner as an automobile engine.

Without going into extensive detail with regard to method of attaching the connecting rods it can be assumed that practically all modern radial engines (except the fan type) are equipped with a single throw crankshaft and an odd number of cylinders. The Wright Whirlwind has a single throw crankshaft on which is mounted the mother or master connecting rod. Attached to the lower end of this master connecting rod are the 8 crankpins on which ride the additional connecting or link rods, as shown



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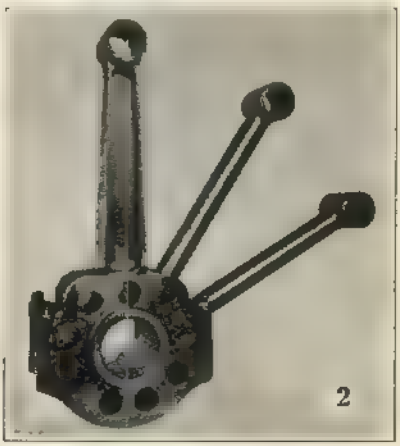

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Left—Fig. 1. Front or propeller end of the Wright Whirlwind engine showing Scintilla magnetos and A.C. spark plugs. Right—Fig. 2. The Wright, like most radial engines, incorporates a mother or master rod to which the other 8 rods are pivoted

at Figs. 2 and 3. It will be seen at Fig. 2 that only the mast rod bears on the crankshaft crankpin. The lower end of this master rod is provided with a steel-backed babbitt-lined bearing while the knuckle and wrist pin bearings are of bronze. On the Wright Whirlwind this master rod lower bearing which also carries the eight knuckle rod pins is of the split type and is provided with four cap bolts as shown. On some radial engines the master rod lower bearing is solid.

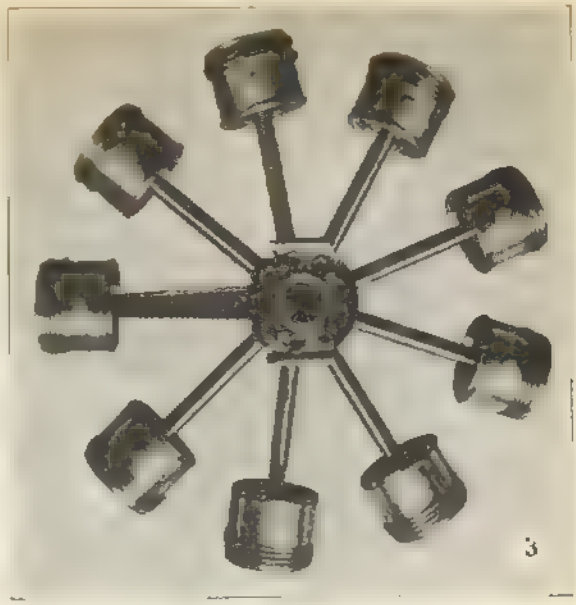
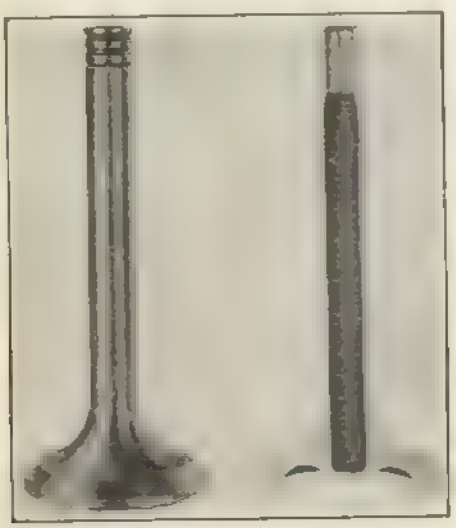


Fig. 3—This shows the crankshaft with rods assembled. Only the master rod lower end bears on the crankpin

Odd Number of Cylinders

Since practically all radial type engines (and there are several makes built here and abroad) have a single crankpin crankshaft the number of cylinders must be odd so that the firing order will follow the direction of rotation of the crankpin and also so that there will be even and equal spacing between explosions. This is easily understood when it is realized that all four cycle engines fire the total number of cylinders one in each two revolutions of the crankshaft. In the conventional radial therefore with an odd number of cylinders on the first revolution we fire the cylinders No. 1, 3, 5, 7 and 9 and on the second revolution the cylinders No. 2, 4, 6 and 8. This firing order assumes that the cylinders are marked in rotation and means that on the first revolution after the No. 1 cylinder fires the next one to fire will be two distant from it, which will be No. 3, and the next one No. 5, etc.

The radial engine is not a new development and was widely used both during and before the war mostly in foreign countries. Comparatively recent developments in cylinder design by American engineers have enabled this country to build one of the really successful air cooled radial engines. These cylinder designs have made possible very high mean effective pressures. It is interesting to note that the modern air-cooled radial operates at mean pressures up to 130 lb per sq. in. which is considerably higher than the 75 to 100 lb. maximum used in the most efficient water-cooled stock automobile engines and on a practical parity with the best water cooled aviation engines of the tandem and vee types.



Thompson salt cooled valves as shown above are used in the Wright engine

Use Thompson Valves

Another feature that has greatly contributed to the excellent power output and great reliability of the Wright and other air cooled radial engines is the use of salt cooled valves. A salt cooled valve is one in which the stem is drilled and filled with a certain salt which assists in transferring the heat from the head to the stem and out through the valve guides to the cylinder cooling fins. After being filled with this salt the valve stem end is sealed closed with a metal plug. The valves used in Wright engines are built by the Thompson Products, Inc., of Cleveland and are of the cup-

ped design. Seat, stem, and tip are all of different hardness adapted exactly to operating conditions. The valves are ground and burnished all over. It is estimated that each valve closed and opened 1,447,200 times during Lindbergh's 33½-hour flight which is said to be the equivalent of a laborer striking fifty 200-pound blows per minute with a sledge for two and a half months.

The average fuel consumption of the Wright Whirlwind engine is one-half to six-tenths of a pound per horse power hour which means about 9¾ to 10½ gals. of gas each hour when delivering its rated 200 horsepower.

Reducing Oil Consumption On Nash

Editor, Automobile Trade Journal:

It may be possible that you can give me some advice on a Standard Six Nash sport touring car, after I relate my following experience. A customer brought this car to me for repairs, it being a chronic oil eater, and after making the following repairs very carefully checking every operation, I am very much disappointed at the results and at a loss to know just the cause of the same. The following operations will give you some idea of the work done:

Head was removed, carbon cleaned, valves refaced and reseated and ground in very carefully. Cylinder block honed out .010 oversize and fitted with light gray iron pistons, allowing .0015 clearance and carefully fitted with Perfect Circle compression and oil rings, lower groove being drilled with 5/32 holes one inch apart. This I considered as near an ideal job as one could make it (cylinders being within .0005 of true as all were micrometered repeatedly to make sure as near perfect fit as possible). This job was run in without power in motor until working freely before being run on own power.

For one month or six weeks this engine performed with perfect satisfaction to myself and owner. (Quaker State Med oil being used in crankcase.) Then by degrees it began to burn oil getting worse all of the time until now about three months after working the engine over the owner is disgusted with the car and I am at a loss to know what has happened to cause same. The compression is still very good, not much "blow back" around rings and car has power and speed but the exhaust is very smoky. Can you help me out on this dilemma, or solve the mysterious action of this motor?

Connecting rods were relined and checked carefully before installing, connecting rod bearing caps filed but slightly, oil pressure good. Could it possibly be that oil pressure was too high, causing excess smoking and consumption of oil?—R. H. France Las Cruces, N. M

We have taken up this trouble with the field representative of the Perfect Circle Piston Ring Co. It is recommended that you do either one of the following:

Remove the pistons and drill additional holes in the lower ring groove to increase the oil return capacity. Or, better still, install an additional oil ring in the third ring land, or next to bottom ring land. If you use the latter method it will be advisable to drill the same number of holes in the third land as you now have in the fourth land. It is our belief that if this is done, the oil consumption will be brought back to normal. We would also suggest that the oil pressure be maintained at normal.

The recommendation on installing the additional oil control ring on each piston, however, is perhaps the best point of attack on this problem.

Don't Grease Buick Springs

Editor, Automobile Trade Journal:

Will you please give us information whereby we can stop the shimmy in the front wheels of a Model 125-55 Buick Master Six. The wheels do not shimmy at slow speed not until it reaches the speed of 40 to 45 miles per hour. We have inserted taper wedges between axle and spring with thick end of wedge toward front of car. This helped quite a little and practically stopped the shimmy as long as the motor is pulling the car, but quit feeding gas and then it starts to shimmy.

We have been having several Buick Master Sixes, 1925 and 1926 models with this trouble usually showing up after the car has been driven about 2500 miles.

The above mentioned wedges used were furnished by Buick Motor Car Co.—Green Bros. Garage, Richmond, Ind.

The local Buick Maintenance Organization suggests that you examine the front springs carefully to see that they are free from lubricant. If the front spring leaves are greased or oiled this, in many cases, will produce shimmy. As you probably know, the Buick Motor Co. strongly disapproves of spring leaf lubrication, and, if the springs on the cars in question have been lubricated it will be advisable to remove them and give them a good cleaning in gasoline or kerosene.

If the wedges referred to seem to have eliminated part of the trouble it is possible that the remainder can be eliminated by the installation of a new pair of half nuts in the steering column assembly. These new half nuts of course can be secured from any local Buick dealer or direct from the factory. It is also suggested that you make sure that all the steering connections from the king bolt backward are properly adjusted and without excessive play at any point.

Oil Pressure on Star

Editor, Automobile Trade Journal:

I am having trouble keeping the oil pressure up on a Star 4 car. I put in new springs and new pump gears and looked at the bearings, but cannot keep the pressure up when the engine gets warm. I would like to have you tell me how I can overcome this trouble.—L. E. Parkis, Bloomfield, Neb.

It is our guess the trouble is due either to loose main, rod, or camshaft bearings, or to excessive clearance somewhere in the pump mechanism, either between the gears and the pump cover or between the pump driving shaft and housing.

To determine definitely what causes the loss of pressure we would suggest you make an oil test on the system, as outlined on page 31 of the September, 1925, issue of AUTOMOBILE TRADE JOURNAL.

A potential market of millions/

THERE is a vast potential market of motor car users—actually millions—who need the protection afforded by a motor heat indicator whether it be dashboard, steering column or radiator cap mountings

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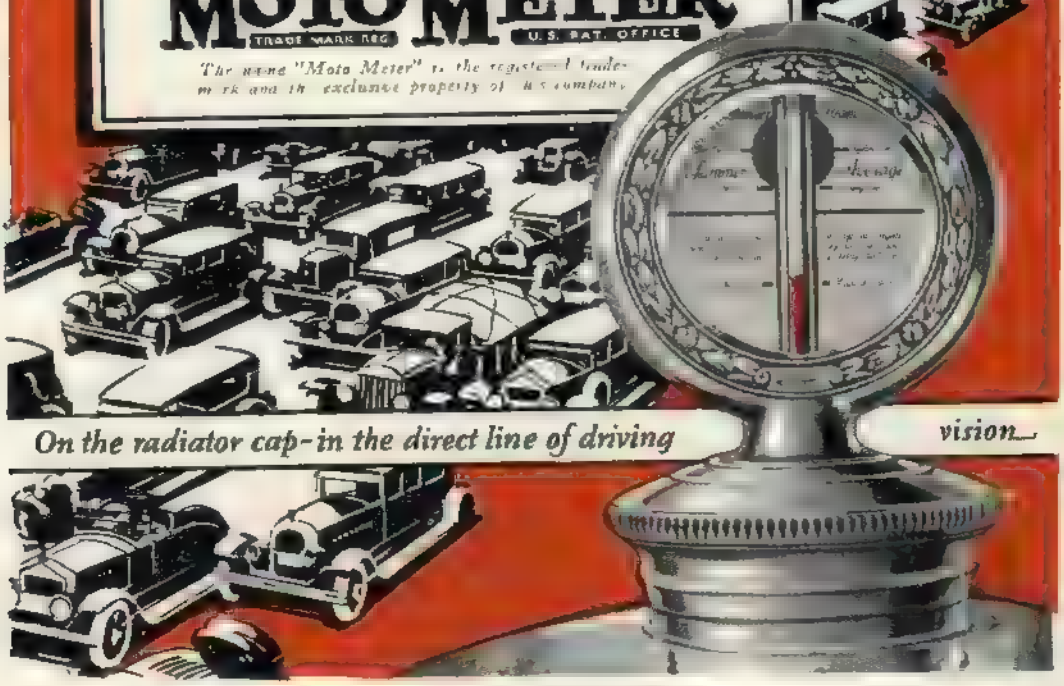

On the radiator cap—in the direct line of driving vision

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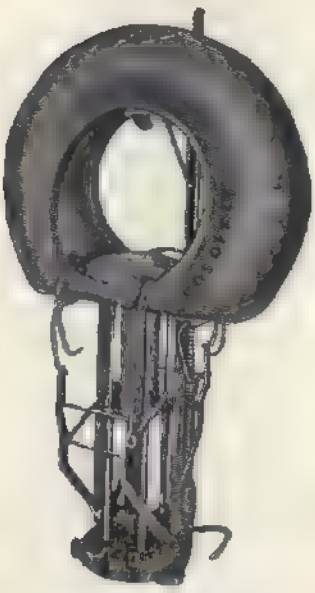

Weaver Power Tire Spreader

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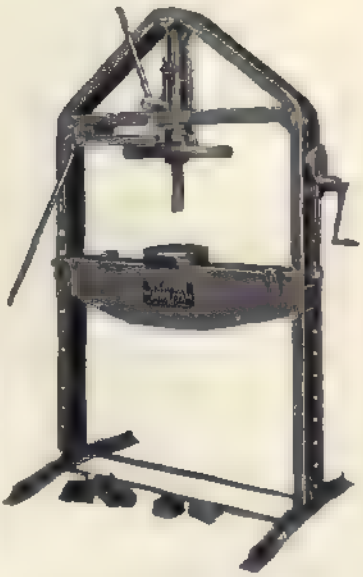

Weaver 50-Ton Hi Speed

A new application of steep [illegible] bearing and [illegible] offers [illegible] pressure jobs. [illegible] quick and [illegible] for light [illegible] Safety [illegible] a [illegible] [illegible]

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[illegible] heavy trucks and [illegible] [illegible] from front side or rear [illegible] [illegible] to raise [illegible] 6 to 8 inches.

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New Cars and Models

Hupmobile Six is Improved in Appearance and Performance

By Athel F. Denham

STRIKINGLY improved in appearance the new six-cylinder line announced by the Hupp Motor Car Company embodies also numerous improvements in mechanical design. Although prices of individual body models differ somewhat from those of the former line, the price range remains about the same, ranging from

Price Ranges from $1,335 to $1,395

$1,335 to $1,395, for the fundamental body styles. The roadster at $1,335 is $50 lower, the two-door sedan is $40 lower at $1,345 and the four-door sedan $10 higher at $1,395. A seven-passenger phaeton, largely for export, at $1,395 replaces the former five-passenger phaeton at $1,325. The new four-passenger coupe lists at $1,385. In addition there will be two custom-equipped lines consisting of the same models with special equipment. With five wire wheels the bodies are listed $80 higher. At this price the models are also obtainable with six disk wheels including fender wells, cowl bars, nickel headlights, cowl lights and tail lights and trunk rack. Similar equipment with wire instead of disk wheels increases the price of the fundamental body syles by $150.

Midland Steeldraulic Four-Wheel Brakes

Leading the mechanical chassis changes is the adoption of Midland Steeldraulic four-wheel brakes. These brakes pioneered

Hupmobile Six four-passenger coupe listing at $1,385 is a new body model in the line

Hupmobile six sedan showing front shackling of springs and integral bumper mounting plates. List price is $1,395. Fender wells as shown are optional at $80 extra

by and perfected in cooperation with Hupmobile are of the internal expanding type using a one-piece shoe with molded composition lining and are self-energizing while the wrapping effect is prevented by flanging half of the shoe. It is claimed that with the molded composition wear is materially decreased, therefore increasing the period between adjustments. The brake being self-energizing only a very light pedal pressure is required. Adjustment when necessary is externally effected.

Cylinder Bore Increased

The new engine of the 1928 model is developed from the engine used in the previous model. However, a number of important changes have been made. The bore is now 3¼ in. as compared with 3⅛ in. formerly, while the stroke is retained at 4¼ in. This change has increased the piston displacement from 196 to 211.5 cu. in., the rated power now being 25.3 hp. as compared with 23.4 formerly. Maximum power has naturally also been increased; the engine peaking at over 57 hp.

While the larger bore is partially responsible for the decided increase in power, a new type of cylinder head design has also contributed towards this end. The new head which is completely machined has the spark plug located over the exhaust valve. This design has been adopted following considerable research which is said to have indicated that the danger of detonation is reduced to a minimum with the spark plug located in the hottest portion of the combustion chamber.

Pressure Oiling to Pins

With the increased power additional cooling has been provided by increasing the water passages by ¼ in. A number of important changes have also been made in the crank train. Connecting rods are now rifle-drilled, providing pressure lubrication to the piston pins. This has involved enlarging the drilled passages in the crankshaft and lengthening of the main bearing and connecting rod oil grooves. Dimensions of crankshaft and connecting rods, however, remain as formerly, the crankshaft being of the four-bearing type with 2⅛ in. crankpins and main bearings ranging from 2 11/32 to 2 25/64 in. in diameter. All bearing caps are of heavier design in keeping with the increased power. Three ring cast iron pistons are continued. Piston pins, however, are larger in diameter, now being 1 in. as against ⅞ formerly. They are now full floating with a bushing in the rod. Valves are unchanged.

Dash Controlled Hot Spot

Among the exterior engine changes is a new fan pulley hub which is now of pressed steel instead of the forging formerly used. The new four-bladed fan is designed to equalize the thrust from the water pump; fan and water pump running on the same shaft. Capacity of the cooling system, including the McCord cellular radiator, is now 13 quarts. A new Stromberg T-2 1¼ in. carburetor is also included. As formerly an air cleaner, gasoline filter and oil filter are standard equipment. A further feature of the engine contributing to better performance is a new design manifold. The latter is equipped with two butterfly valves operated by the same control lever, the larger valve being in the main passage while the smaller one is in the secondary passage. When the lever is put in the "heat on" position the large butterfly is

closed and the small one open and all gases have to pass around the inlet manifold and through the secondary, slightly restricted, portion of the exhaust manifold. In the "heat off" position the gases do not pass around the inlet manifold although there is a slight amount of heating effect. Hupmobile engineers claim that when the manifold heat is in the "on" position quicker intake heating is obtained than in any other design which has come to their notice.

Flexible Clutch Disk Hub

Changes have also been made in the Autolite electrical system, the semi-automatic distributor operating on a new spark advance curve. A new ignition lock adopted on this car locks the distributor through a steel-clad cable. A Willard 100 amp. hr. battery is included in the electrical system. Starter engagement is by Bendix.

Changes in the clutch are toward obtaining smoother operation, a flexible disk center being provided in the driving member. Facings are still 8⅝ in. outside and 6⅛ in. inside diameter, the clutch being a single plate Borg & Beck. As compared with the previous model the clutch housing is heavier and a heavier gage clutch shield has been provided at the bottom.

Wider faced teeth are now used on the constant mesh gears in the Detroit Gear transmission. Gear reductions have also been changed somewhat, low gear reduction now being 3.11 to 1 as against 3.42 to 1 formerly. Chrome molybdenum steel axle shafts have been incorporated in the rear axle which follows the same design as used in the previous Hupmobile 6. Final gear reduction has also been changed somewhat, this now being 4.73 to 1 as compared with 4.90 to 1 formerly. Wheels are smaller, 19 in. in diameter and take 29 x 5.50 balloon tires. The front axle is still of I beam construction, with 1⅝ in. section. Frame is of entirely new design and provided with a double drop, contributing to the lowered bodies; 5/32 in. stock is used with 5⅛ in. depth and 2⅛ in. flanges. With the new frame, smaller wheels and new body design a total decrease in height of about 4 in. has been effected.

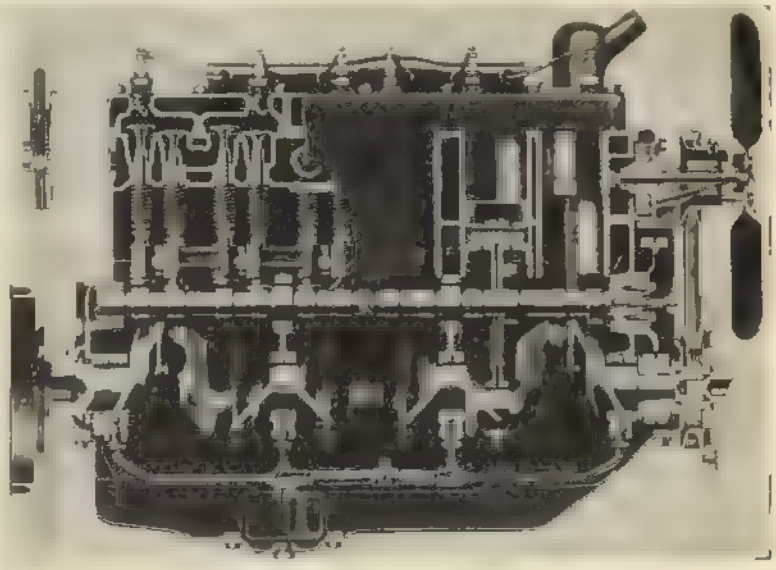
Brake Lever on Left Side

Springs are semi-elliptic all around. Front springs which have a negative camber and are shackled at the front end have a length and width of 37 x 2 in., eight leaves being used. The rear springs are 54 x 2, using 11 leaves. Steering gear is a Ross cam and lever.

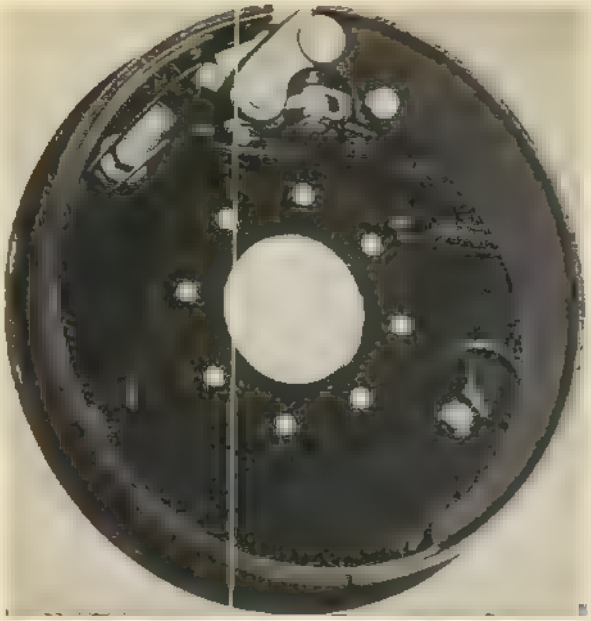
As previously mentioned, molded composition lining is used in the Steeldraulic four-wheel brakes. These have drum diameters of 12 in. fore and aft, with a 2 in. lining width. In servicing lining when necessary, the entire shoe is replaced. A feature of the brake is that it is assembled with 1/16 in. clearance, making for free running. This clearance is taken up in about two inches of pedal travel. The hand lever actuates the brakes on all four wheels. This lever following Hupmobile practice is located to the left of the driver.

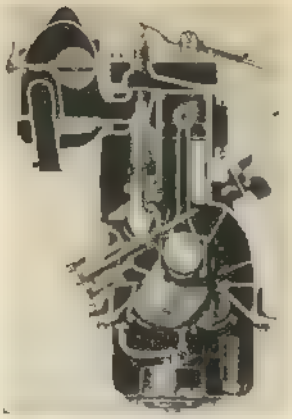
Murray Bodies Used

Bodies are a Murray Corp. product. With their lower lines and rounded contours they represent the most attractive Hupmobile 6 ever offered. Chromium plating is used wherever metallic finishes appear, including radiator shell, head lamp rims, door handles, hood holddown clamps, etc. A novel idea is also found in the hood,



The engine of the latest Hupmobile six has drilled connecting rods supplying pressure lubrication to the piston pins





Top—Engine view showing details of hot spot control

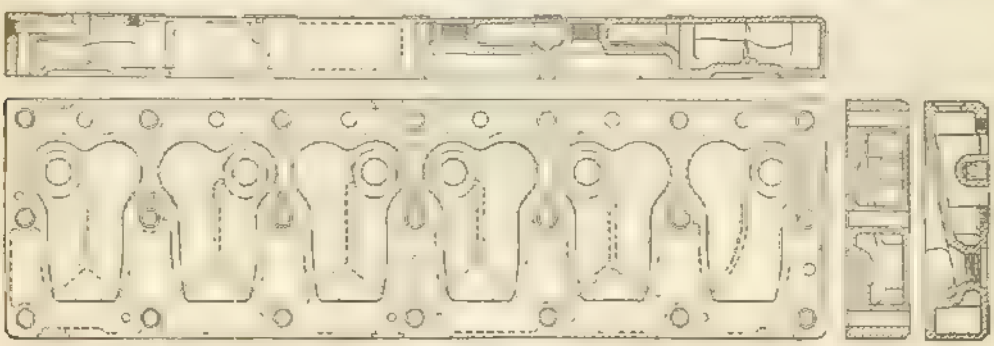
Left — Closeup of Steeldraulic brake used on Hupmobile Six. Note one piece band

where the central piano type hinge has been made quite prominent and chromium plated. A low radiator cap, also chromium-plated, is streamlined into this hinge. On the closed models a swinging type windshield, crank operated, is used while the open models have forward folding windshields. Sun visors on the closed models are of the cadet type.

All projecting chassis parts are covered with sheet metal. In the rear of the body, for instance, the sheet metal cover over the gasoline tank is extended out and over the spring horns. Two tone color schemes in pyroxylin finish are used on the exteriors of the bodies. A molding, slightly darker in shade than the basic body color, runs along the bottom of the bodies and is carried around the fenders. Window reveals are finished in contrasting colors. To carry out the rounded lines of the rear quarters, rear windows are also curved.

On the inside of the body such features as a steering column adjustable to three positions, a full length hinged accelerator pedal, and saddle spring cushions are found. In the coach the individual front seats have rigid backs. The instrument panel, which includes the usual intruments and in addition a dash gasoline gage, has a central Hupmobile monogram. Manifold heat control and choke buttons are on either side of the central panel, with light control, spark advance and throttle levers on the steering wheel.

Included in the standard equipment is the usual rear vision mirror, an automatic windshield wiper, a cowl ventilator, combination stop, reverse and tail light, double filament headlight and shock absorbers front and rear. A trunk rack is standard on the brougham. As mentioned a distributor lock is provided, located on the instrument board. The tire carrier is drilled for a padlock, while locks are provided when wheels are carried in fender wells.



Sectional view of new Hupmobile cylinder head. Note spark plug is located above exhaust valve

New Body Styles Feature Hupmobile Line

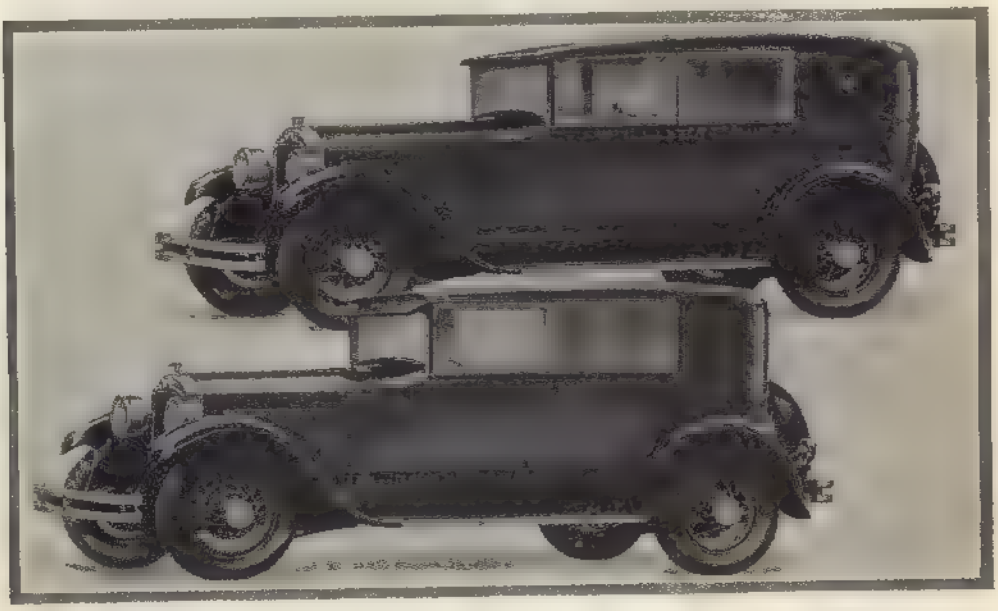
HUPMOBILE'S announcement for the National Automobile Shows will consist of improved editions of its regular six and eight-cylinder chassis. Both lines have been augmented by new body styles while relatively minor mechanical changes and body refinements have been incorporated. New colors will be featured also.

Three special custom-built bodies manufactured by Dietrich will be supplied to order on the eight-cylinder chassis. A two-door brougham will comprise the addition to the six line while changes have been made in the regular six sedan. Prices on the new body styles for both chassis will be announced by the Hupp Motor Car Corporation at the New York show.

To facilitate rapid warming up on the six a dash-operated manifold heat control is installed. While the general layout of the manifolding has not been altered, the integrally formed hot-spot for the intake mixture is designed so that all of the exhaust heat can be concentrated upon the intake header by a butterfly control valve. By means of two valves of different sizes embodied in the hot-spot formed with the exhaust manifold, it is possible to close simultaneously the large valve and open the smaller valve so that the hot exhaust gases from all cylinders will pass through the hot-spot. For ordinary driving after the motor is warmed up the large valve is left open so that the greater portion of the exhaust heat does not pass through the hot-spot, while the smaller valves close at the same time to such an extent that only a small amount of exhaust gas passes through hot-spot.

On the eight-cylinder manifold a single barrel type valve is incorporated which accomplishes the same control as the two butterfly valves on the six.

On the eight-cylinder engine other changes have been incorporated. The oil pump capacity has been increased to provide a higher reserve of pressure. Valves have had their head thickness increased. By raising the valve lift on the camshaft an additional 1/32 in., an increase in power has been obtained. A centrifugal type air cleaner of Handy make is now adopted on the eight engine. To provide for longer belt life, the "vee" fan belt is now of the "cogged" type which allows for greater strength in the lower part of the "vee." Dealing with the eight chassis additional stiffness has been secured by increasing the frame stock from 5/32 to 3/16 in. While employing the same make of Long clutch, the type has been changed from that of a single plate unit to a double plate clutch, the latter being said



Sedan limousine and five-passenger sedan, both custom built by Dietrich for the Hupmobile eight chassis

A Great Eight—Making

Today the eight is the most wanted and the most talked about type of car in America.

This significant change—this swing away from the six of higher price—had its beginning two years ago with the coming of the Hupmobile Eight.

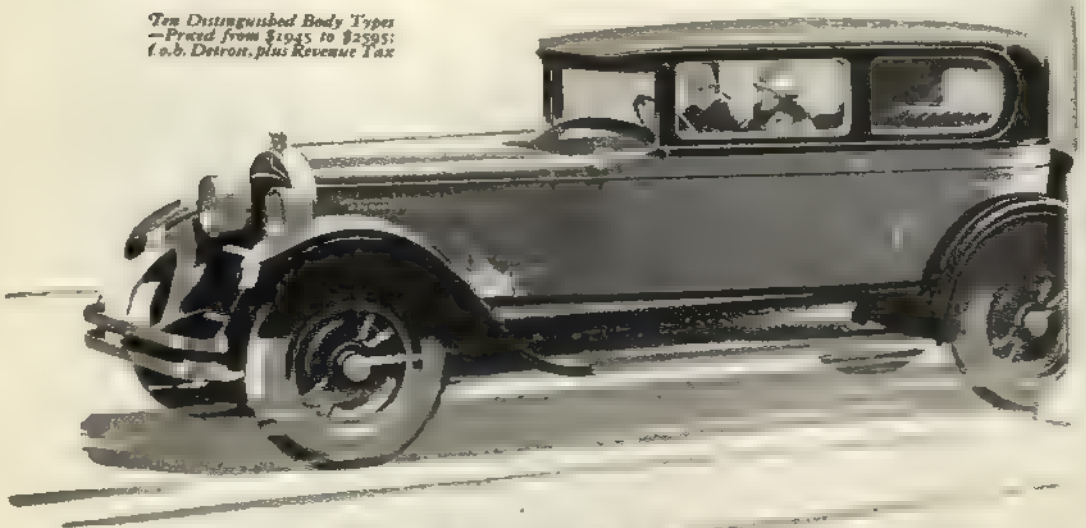
To the smoothness and ease of the eight, Hupmobile added the super-smoothness and ease of its own perfected straight-eight.

Hupmobile gave the eight an economy it had never known before—a generosity of gas mileage that surpassed many sixes. Hupmobile, with engineering and manufacturing sanity, built simplicity where had been complication before.

These things Hupmobile did, and is doing, and the motor car market responded with a rush.

And because this new significance of the eight has swept Hupmobile into the greatest straight-eight volume in the world, the new superiorities to be found only in the Hupmobile Eight are procurable at less than the prices of the finer sixes.

Ten Distinguished Body Types —Priced from $1945 to $2595: f.o.b. Detroit, plus Revenue Tax



Eight HUPM

A Great Six— Motor Car History

Hupmobile has now made this Six the closest-priced six in America, excelling even its own previous peaks of quality and value.

Ten per cent quality-increase—ten per cent more for finer materials and finer manufacturing—but not one penny added to the price.

In performance, reliability, staunch service—in low costs and long life—the owner benefits, and his satisfaction is enough for us.

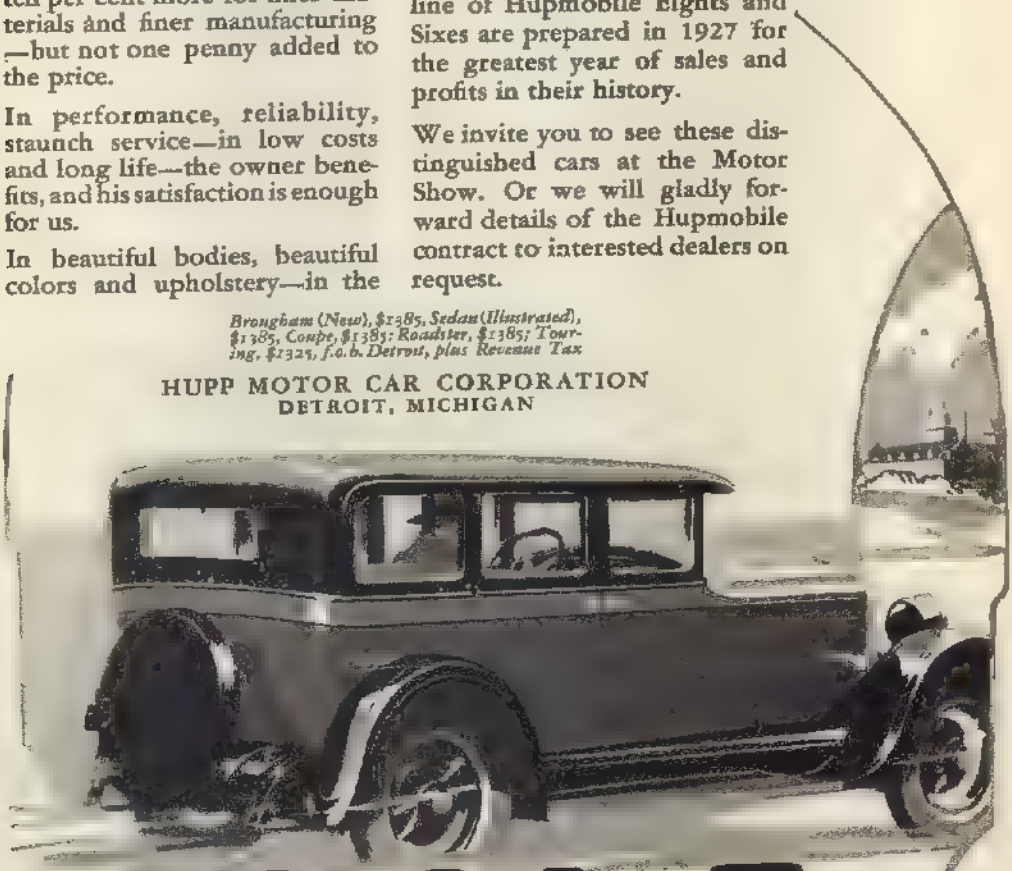
In beautiful bodies, beautiful colors and upholstery—in the wealth of high-grade accessory equipment—you see the results of Hupmobile's ten per cent higher quality.

Dealers handling the complete line of Hupmobile Eights and Sixes are prepared in 1927 for the greatest year of sales and profits in their history.

We invite you to see these distinguished cars at the Motor Show. Or we will gladly forward details of the Hupmobile contract to interested dealers on request.

Brougham (New), $1385, Sedan (Illustrated), $1385, Coupe, $1385; Roadster, $1385; Touring, $1325, f.o.b. Detroit, plus Revenue Tax

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN



HUPMOBILE *Six*

to make for easier engagement and longer life.

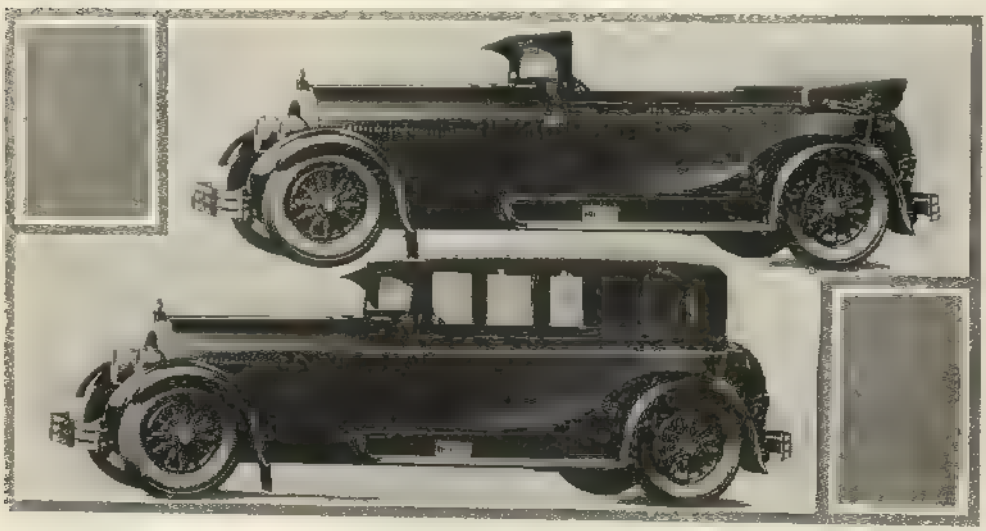
New design instrument panels have been adopted on both cars. All dials are mounted under a single piece of glass and indirectly lighted. Incorporated in panels on each side of the instrument frame are the conventional units which usually are mounted separately on the instrument board.

Headlight controls for both cars are now placed in the center of the steering wheel where they operate two-filament bulbs. On the six chassis an additional three-candle power bulb for parking is installed in the headlights whereas in the eight, cowl lights are provided as previously.

Changes on the six sedan body consist chiefly of adopting "ball" type or fully rounded steel backs for the rear upper quarters. To make for quieter door closing the previous metal center door pillar of this model has been replaced by a wooden member. On previous models plate glass was used only for the windshield whereas on the new models it is employed for all the windows. Slight changes have been made also on the six radiator shell design to give a more massive effect to the general contour. Body alterations on the production eight bodies include remote type door latch handles, heavier outside handles, and remote handles for the rear deck of the roadster so that the rear seat can be opened from the front compartment. Dash gasoline fuel gages are standard on both cars while the eight includes also an electric clock.

The new coincidental lock on the eight is known as the Electrolock and controls the ignition only. By means of armor covering for the wires, a type of theft prevention is secured which justifies the underwriters' "A" rating.

Body design of the new five-passenger six-cylinder brougham follows closely that of the improved sedan on this chassis. It is characterized by the rounded roof effect embodying an integral sun visor and a full rounded rear upper quarter. Disk wheels are optional on the new brougham as on other six-cylinder models. The three Dietrich custom bodies on the "eight" are a seven-passenger enclosed sedan limousine, a sedan for five passengers, and a seven-passenger convertible town car. The bodies are supplied fully equipped with bumpers and a set of five wire wheels.



Kissel Convertible Brougham

The new Kissel All-Year Brougham possesses the advantages of both a touring car and five-passenger brougham model as it can be quickly converted from one form to the other. It is illustrated at the top with the top center members lowered and the windows lowered flush with the sills, giving the appearance of a touring car. The other view shows the car as a brougham with the top and windows up. It is also possible to have the top up with the windows and center members lowered. No tools are required to make the conversion it is stated. Two 32 in. doors are used and the front seats being mounted upon a track slide forward to facilitate entrance and exit to the rear seat

Oakland All-American Has Medium Speed Engine

By Athel F. Denham

IN announcing the Oakland All-American Six, the Oakland Motor Car Company is offering a car which has been entirely redesigned, including a new, more powerful engine, new clutch, transmission, frame, and larger bodies, all on a 117-in. wheelbase chassis and at prices representing a reduction of from $30 to $100 for the various body models.

Reliability has been increased through the adoption of such features as a slower speed engine, and lower rear axle reductions. The AC engine fuel pump has been adopted. Performance has been bettered through the use of a larger displacement engine. Appearance is very materially improved by the use of lower, longer bodies, new fenders, greater hood length, and redesigned rears of bodies.

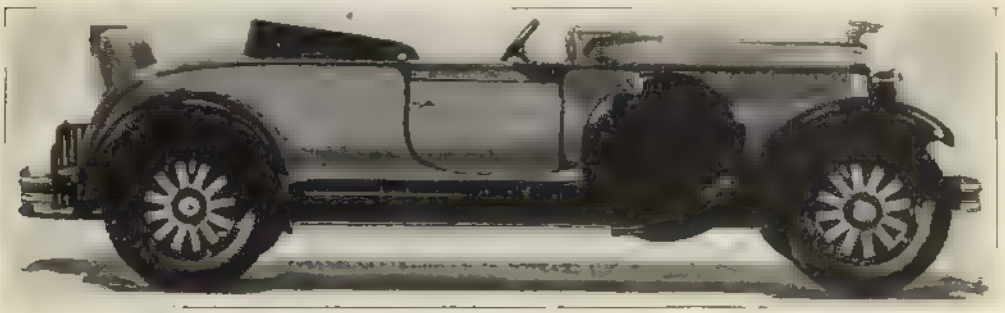
With a bore and stroke of 3¼ by 4¼ in., giving a piston displacement of 212 cu. in., and a N.A.C.C. rating of 25.35 hp., the new six-cylinder L-head engine develops 60 actual hp. at 2800 r.p.m. The more nearly square bore and stroke is another instance of endeavoring to build greater reliability into the engine, since it enables the design of a sturdier crankshaft, with larger main bearings.

The crankshaft itself is of the four-bearing type, and has counterweights forged integral with the shaft. A new type of torsional vibration damper composed in effect of two of the formerly used "harmonic balancers" is now part of the fan pulley. Main bearings, which are of the interchangeable, bronze-backed, babbitt-lined type, are stepped in diameter from front to rear, thrust being taken by the front intermediate bearing. Following are main bearing sizes:

	Diameter	Length
Front	2⅜	1¼
Front Center .	2⅜	1⅝
Rear Center .	2⅜	1⅝
Rear	2½	2⅛

Crankpin bearings are 2¼ in. in diameter and 1¼ in. long. Total weight of the unusually heavy crankshaft is 78⅛ lb.

Connecting rods are drop-forged H section, 9¼ in. long, with the lower bearing die cast in the rod, and the 1 ⅛ diameter piston pin locked in the rod, the piston pin being indentical with that used in the Pontiac engine. Since the bore of the new



Oakland open models of which this roadster is an example, have forward folding windshields

The New Oakland four-door sedan lists at $1,145

Oakland engine is the same as that of the Pontiac, pistons are also of similar design. These are of semi-steel construction with two 3/16-in. compression rings above the pin and one 3/16-in. oil type ring in the skirt. Overall piston length is 4 1/8-in.

Nickel steel (S.A.E. 2330 or 3140) is used for the 1⅝ in. outside diameter intake valves and No. 1 silicon chrome steel is used for the 1½-in. exhaust valves. Tappets identical in design to those used on the 6-54 Oakland are used, while longer 3⅝ in. valve guides have been incorporated. Valve springs, ½ in. longer than formerly, with the upper coils closed to dampen vibration, are used.

Of the four-bearing type, the camshaft is considerably heavier than in the previous Oakland engine. As in the crankshaft, bearing diameters are stepped from front to rear, as follows, the bushings being of grey iron of the replaceable type:

	Diameter	Length
Front	2 1/8	1⅜
Front Center	2 1/8	1⅛
Rear Center	2 1/8	1⅛
Rear	1½	1⅝

A gear is mounted on the center of the shaft for the distributor and oil pump drive. The accessories driveshaft runs transversely of the engine, and at an angle to the horizontal, so that the distributor is at the left side of the engine, and slightly above the camshaft, while the external oil pump is a little below the shaft and at the right side of the engine.

The Oakland head is said to be non-detonating

Front end drive is by means of a 1½ in. wide, ½ in. pitch, fifty-link chain. A vee type fan belt is used to drive both generator and water pump, this pump being mounted in the cylinder block back of the fan and driven through the fan shaft.

Cylinder block and crankcase in the Oakland All-American Six engine are cast integrally, the head being detachable. The crankcase is carried 2¾ in. below the center line of the crankshaft in order to provide maximum rigidity.

An interesting new combustion chamber is used. In this chamber three convex walls are used on the piston side. The spark plug is located in the center of volume of the head, and recessed from it. Absence of any tendency for detonation is claimed for this design. Compression ratio is 4.8 to 1.

Lubrication is by pressure feed to main, connecting rod and camshaft bearings, also direct to chain case. Piston, pin, and cylinder walls are lubricated by splash from vents in the connecting rod lower bearings. An oil return is provided in the system which enables oil to return to the sump in cold weather without passing through the oil pump screen. An oil filter is provided in addition to the large screen in the crankpan, and a new crankcase ventilating system has been incorporated. This system combines pressure and suction ventilation. Air is forced in by fan pressure at the left front end of the crankcase through an air cleaner of the filter type. The outlet is located at the right rear of the engine, turned back so that air draft past the engine will aid through suction. With the addition of this crankcase ventilating system Oakland is recommending the changing of oil only once every 2000 miles in

the summer, or every two months. During cold weather a change of oil every 1000 miles is recommended.

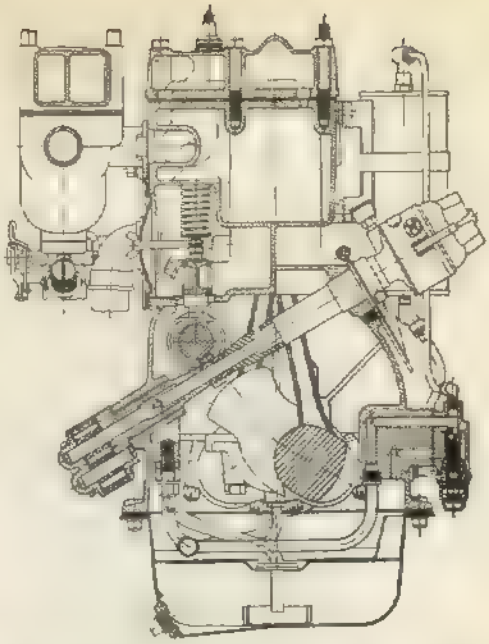
Although of similar design to that previously used in the Oakland, the water pump represents an interesting advancement, in that the impeller is so designed that for speeds up to around 30 miles per hour, there is no thrust on the thrust collar. A Durex bushing, requiring lubrication only every 5000 miles, is used to support the impellor shaft. A thermostat is built into the cylinder head. Water capacity of the Harrison radiator and cylinder block is 14 quarts.

A three-port intake manifold is used in conjunction with a 1-in. vertical type Marvel carburetor. The intake manifold is jacketed by the exhaust manifold in such a way that for the "winter" position heating of the inlet gases is obtained from the exhaust for all cylinders. In the "summer" position the hot spot is inoperative while in the "medium" position half the exhaust gases pass out directly through the exhaust manifold and half around the intake jacket.

In the fuel system, Oakland is pioneering the adoption of the AC camshaft driven fuel pump. In conjunction with this pump a visible type gasoline filter is used. An AC air cleaner is also standard equipment. Rear gas tank holds 13 gal.

Three-point engine support is employed, with the rear supports mounted in rubber washers. A separate truck type flywheel housing is used, supporting the unit clutch and transmission. The clutch is of the single-plate self-adjusting type. Outside diameter of facings is 8⅞ in., with an inside diameter of 5½ in.

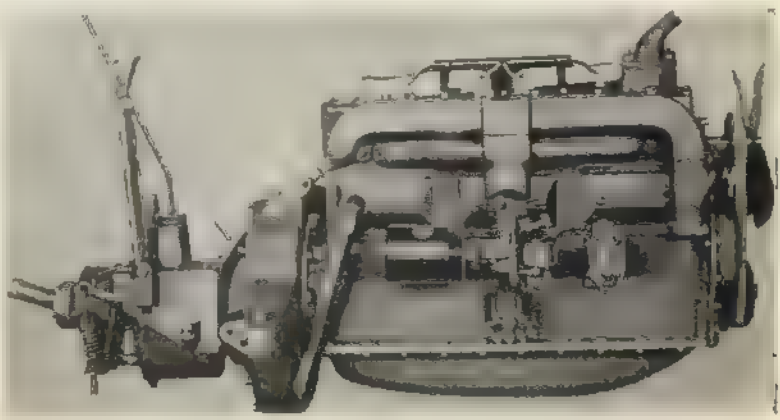
The three-speed transmission is conventional in design. A Hyatt roller bearing is used at the front of the main shaft which now has ten splines, the rear being supported by a ball bearing. The main drive gear bearing is somewhat larger than on the previous Oakland, and a flexible drive is



Section through new Oakland engine showing oil pump and distributor drive layout and pressure relief valve assembly at right

provided at the rear of the main transmission shaft. Countershaft gear cluster is forged from a single piece of chrome-vanadium steel, and runs on bronze bushings on the stationary countershaft.

Mechanics Machine Company metal universal joints are used on the new Oakland. The rear axle is semi-floating and similar to that used on the previous Oakland. Final gear reduction has been lowered, however, now being 4.45 to 1 as compared with 4.7 to 1 formerly. Gears having a 5.2 to 1 reduction are offered as special equipment through dealers. As a result of the decreased axle ratio, engine speed has been materially decreased at 35 m.p.h., the engine turning 1790 r.p.m. Maximum car



Oakland's new engine, showing exhaust pipe of crankcase ventilating system, oil pump directly below carburetor and the AC fuel pump

speed has also been materially increased as a result.

Delco-Remy electrical units are used. The distributor is of the full automatic type and is provided with a scaled lever adjustment making advancing or retarding spark for summer or winter driving a very simple operation. The generator is of the third brush adjustment type. Eclipse Bendix starter engagement is used, entirely inclosed within clutch and flywheel housing. Double filament Tiltray headlights with chromium plated rims are used. These are foot operated by a switch on the floor board of the driving compartment. Cowl light rims are also chrome plated, as are radiator shells and door handles on sport models. A spark plug wire manifold has been added.

The third arm on the front axle I-beam ends has been redesigned and is now separate from the steering arm. Tapers on the steering arms have been increased 1/16-in. in diameter for greater rigidity of the steering system. Service brakes are of the external contracting four-wheel type, with 12⅜ in. drums, 1⅞ in. wide. As formerly the Perrot control is used on the front brakes, to release the outside brake when turning. The parking brake is mounted on the transmission shaft immediately back of the gearcase, and has a 6-in. drum, taking 2½ in. lining. The ratchet and pawl arrangement on the parking brake lever is more rigid than formerly.

Nineteen-inch wheels of the wood spoked type are standard, together with larger cross-section 29 by 5.50 tires. A feature of the original equipment, is that tire and tube assemblies are balanced and marked for proper valve location, thus reducing danger of front wheel shimmy. Minimum pressure of 34 lb. is recommended for these new tires. Steering gear is substantially the same as on the former Oakland, being of the screw and nut type with 15 to 1 reduction.

The frame is of entirely new design. It is characterized by a kick-up over the rear axle which ends in a downward sweep at the rear of the chassis allowing an additional 1½ in. for height of rear body construction. Side rails have been made stiffer by increasing depth ⅛-in., and using ⅛-in. wider flanges. Heavier cross-members are also used.

Additional lowering of the body has been achieved by using eight leaves instead of the twelve formerly used on the front springs. Length and width remain as formerly. Rear springs, however, have been increased 2 in. in length, now being 54½ in. long. Silicon manganese steel is now used for the rear springs.

Full-crowned fenders, narrow front pillars, lower and more sweeping lines characterize the new bodies on the Oakland All-American Six. Seven body types are offered, with list prices as follows:

Two-door sedan	$1,045
Four-door sedan	$1,145
Landau sedan	$1,265
Landau coupe	$1,045
Sport phaeton	
Sport roadster	$1,075
Four-passenger cabriolet	$1,145

The sedans and the landau coupe are upholstered in mohair, while Spanish leather is used for the open models and the cabriolet. An extremely attractive new instrument panel has been developed, consisting really of three separate panels. The center one has a K & S dash gasoline gage in the center flanked by the speedometer at the left and oil pressure gage and ammeter at the right, all indirectly lighted. At the left of the center panel is the light and ignition switch, with seven positions, the single lever used enabling the lighting of either parking or headlights with or without ignition on. A separate position is also provided for use of the high powered backing light, with ignition on. At the right of the center panel is a panel on which choke and throttle control buttons are mounted. Each of the three panels is finished in oak-leaf design engraving.

Individual features of the various body models are, English type side curtains on the roadster, horizontally folding windshields on the open models, felt packed foot pedals on the closed models, ornamental filler caps on all models, and starter button shifted to toe-board. As usual Fisher VV windshields are used on all closed models. Chromium plating is used aside from radiator and lamp rims, on hood latches, side arms of open car windshields, door handles of open models, and front and rear bumpers. The latter are standard equipment on the landau sedan and sport roadster. Automatic windshield wipers, rear view mirrors, stop and backing light, and dash gasoline gage are standard on all models. Sun visors are furnished on all closed models. Trunk racks are standard on both phaeton and roadster. All sedan models have leather-covered smoking sets, the landau sedan, in addition, having arm rests in the rear compartment. All closed models are fitted with door locks.

Hudson Plant in Berlin

The Hudson Motor Car Co. is establishing an assembly plant at Berlin, Germany, as part of an extensive plan of extending its export business. The new plant will be in operation soon. During the first half of 1927 the Hudson company manufactured 168,336 cars of which 127,651 were Essex, an increase of 35 per cent for this type over the corresponding period, last year.

The BIG LIFT *for your business*

WITH *pride* and *confidence* we introduce the complete line of BLACKHAWK Jacks, Hydraulic Oil Power. Tested for many months against every other type, they have shown themselves unequalled for power, ease of lifting and dependability. In general use for five years under another name on the Pacific Coast, they are now further improved and standardized by BLACKHAWK engineering. The sales potential is tremendous.

BLACKHAWK MFG. COMPANY
Milwaukee, Wis.
U. S. A.

BLACKHAWK HYDRAULIC OIL-POWER JACKS

The "Tourist" Jack shown above is a [illegible]st model that will handle practically all popular cars. A child can do it. Readily placed and removed without getting under car.

The "Hi-Way" double lift Jack is low enough to get under axle, with a lift high enough to handle any and all low slung balloon-tire equipped cars without getting under car. The least hand pressure on handle will raise 4000 lbs. Note the hand-adjustable extension for extra high work.

Every driver is a prospect.

Hydraulic

WITH the little 1½-ton capacity BLACKHAWK Jack a child five years old can raise the average car, evenly, easily, safely.

Jack capacities, as rated by BLACKHAWK, are not maximum. They are based on what one man can lift with ease and safety. Jacks are tested at factory far beyond rated capacity.

The slightest hand pressure lifts many tons. Long bayonet lock handle places the jack at long range under the most difficult axle, low chassis, overhang or platform, without getting under car. Short or long stroke raises load.

A long felt want is filled. Low chassis design, balloon tires and all the ordinary jacking disadvantages of low ground clearance, lose their tire-changing terror for the motorist. A BLACKHAWK lifts so easily.

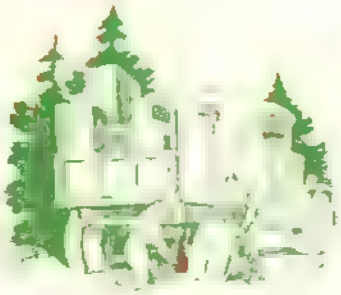
No need for trucks to unload and re-load. No need for busses to discharge. Neither load nor passengers need ever be disturbed. Using a BLACKHAWK soon pays for the jack in time saved and efficient service rendered.

Women use Blackhawk Jacks easily

BLACKHAWK

Oil-Power Jacks

The compact "Motortruck" Jack shown above will easily lift any heavily loaded truck — an easy one man job Simple, safe and dependable.



One lift with a Blackhawk, without removing the load, pays for the Jack Every big truck is a prospect.

Loads are lowered automatically with controlled release valve. The bayonet lock handle opens the release valve for lowering, controls the drop, and withdraws the jack. Lowering is a smooth, quick movement. The operator controls the speed.

The great corporations which are using BLACKHAWK Jacks are conclusive evidence of absolute dependability. Convincing proof comes from the bus field where, in one instance, more than 1,000 BLACKHAWK Jacks have been in service for the past 3 years as standard equipment. This endorsement is the Pickwick Stages System in inter-urban operation—from El Paso, Texas to Seattle, Wash. For this great line of busses, the certainty and speed of BLACKHAWK Jacks have proved of incalculable value in rigid maintenance of on-time schedules.

It is this unequalled power, ease of lifting, ease of control and complete dependability that open wide a tremendous sales potential among motorists, bus and truck operators.

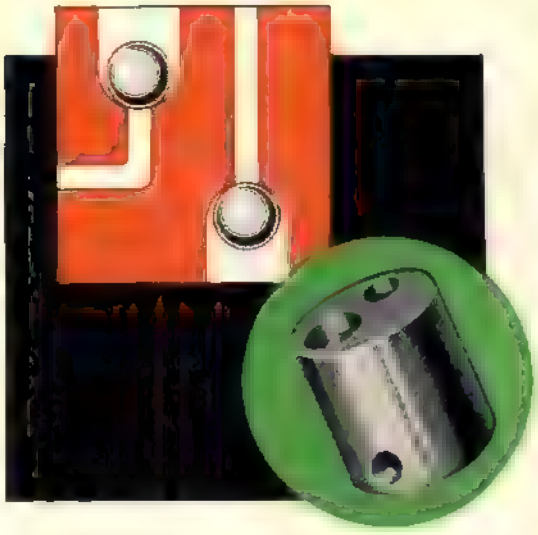
BLACKHAWK MFG. COMPANY, *Milwaukee, Wis.*

The "Motorcoach" Jack for busses and speed delivery fleets lifts seven ons. Easily placed in position Long handle permits easy operation, regardless of overhang or platform Lifts easily, lowers quickly, without effort

Ideal in reach and power for busses

JACKS HYDRAULIC OIL-POWER

The TWIN-CHEK Valve Unit



THIS TWIN-CHEK Valve Unit is the heart of the BLACKHAWK Jack and underlies its success. The entire simple mechanism is revealed in the diagram at the right. Located below the pump (outside the Jack) one minute is sufficient to remove the TWIN-CHEK, clean it or replace it.

TWIN-CHEK (an exclusive, patented BLACKHAWK feature) releases the full advantages of the hydraulic principle applied to Jacks, insuring a sturdy, rugged, trouble-free tool built for years of hard work.

Free Display Shows Jack Operating

This cut out display demonstrates mechanically. With an actual jack placed in position below the axle, the customer can operate the jack handle and see for himself the easy strokes, short or long, required to raise load. The big lithographed car actually rises as the pump is operated, and smoothly lowers automatically by simply opening the release valve located at base of jack. Both pump and release valve operated by means of long handle furnished. This fine dramatic display is typical of the vigor and effectiveness which Blackhawk will bring to bear in merchandising and advertising Blackhawk Jacks. The entire plan and campaign are typical of Blackhawk's aggressiveness.

Ask for prices, discounts and details — from your jobber's salesman or direct from us.

BLACKHAWK MFG. COMPANY
Milwaukee, Wisconsin

AIR

~the Invisible Giant

FOR centuries air propelled ships with huge cargoes across the seas. Then man's genius harnessed this giant and put him to work down in the drab pits of industry.

Twenty-one years ago, Brunner began manufacturing garage air compressors. At first they were used only for tire inflation, but gradually their field of usefulness expanded until they operated gasoline pumps and various shop tools as well.

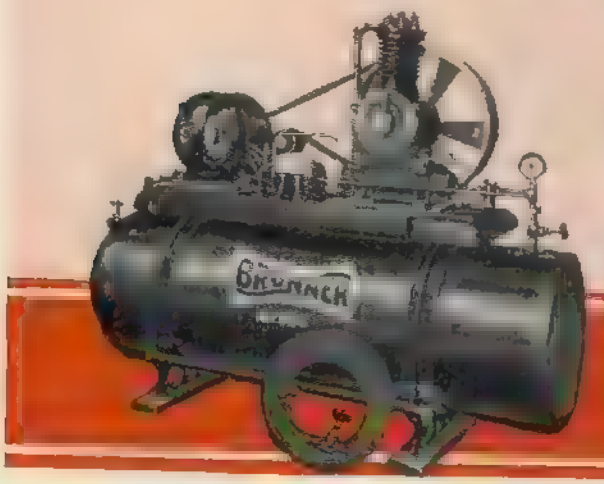
And now Spray Painting, the most profitable use of all, has been perfected by Brunner. Already, Brunner equipment is solving the used-car problem for many dealers throughout the automotive world.

Today this company is the oldest and largest manufacturer of small air compressors. When you buy Brunner equipment you buy the fruits of leadership.

BRUNNER MANUFACTURING COMPANY

UTICA, N.Y.

San Francisco, Cal. Kansas City, Mo. Toronto, Can.



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MODEL 965

Brunner Manufacturing Co.
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Please send me catalogue of Brunner Air Compressors

☐ Paint Spray Equipment

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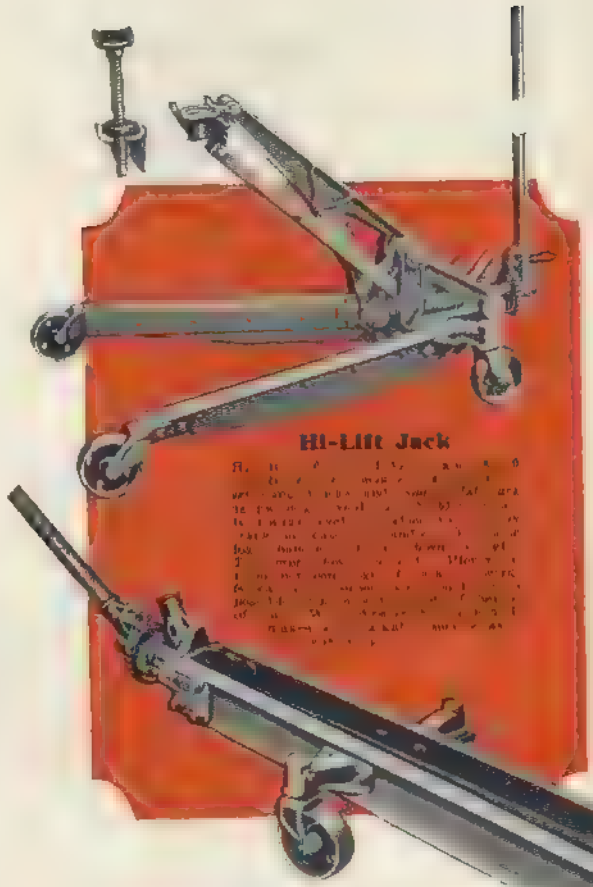
BUY your jack for the job *you* do—and don't just buy a jack. The service shop where buses are repaired needs a different jack than the ordinary garage. Your customers tell the story by the sort of work they bring you.

Study the abilities of these four Weaver Jacks.

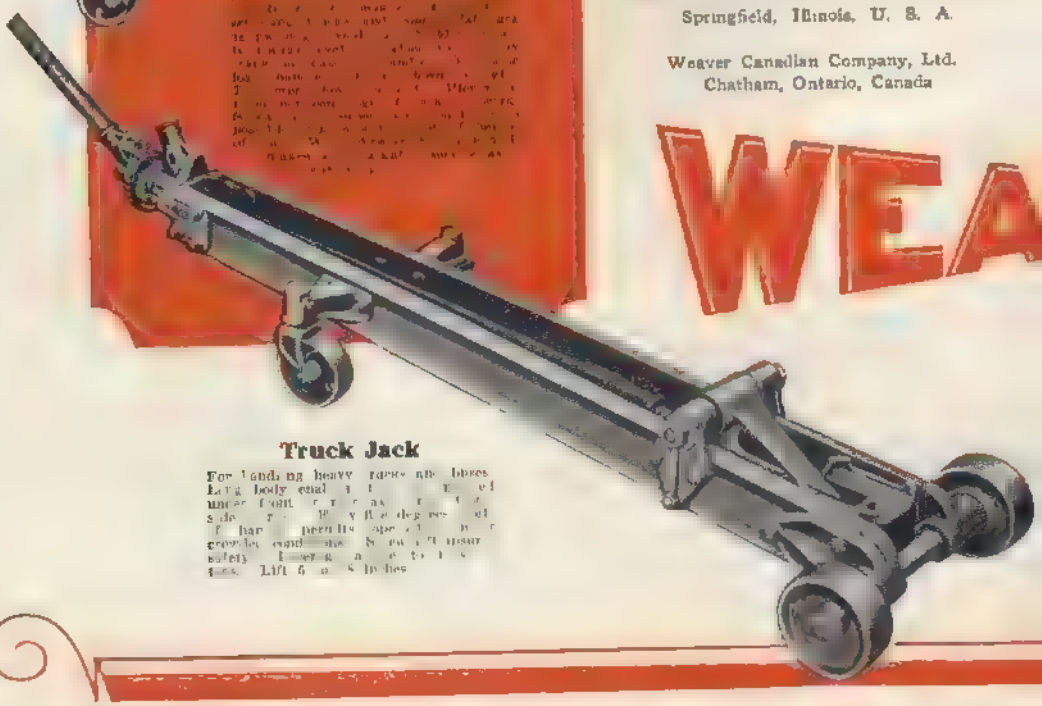
All have a wide range of general usefulness. But each has its special features — its particular kind of helpfulness — its outstanding Jack-ability.

Which would be *yours?*

The Coupon in the Corner Brings You Further Facts—By Mail!



Hi-Lift Jack



Truck Jack

WEAVER MANUFACTURING CO.
Springfield, Illinois, U. S. A.

Weaver Canadian Company, Ltd.
Chatham, Ontario, Canada

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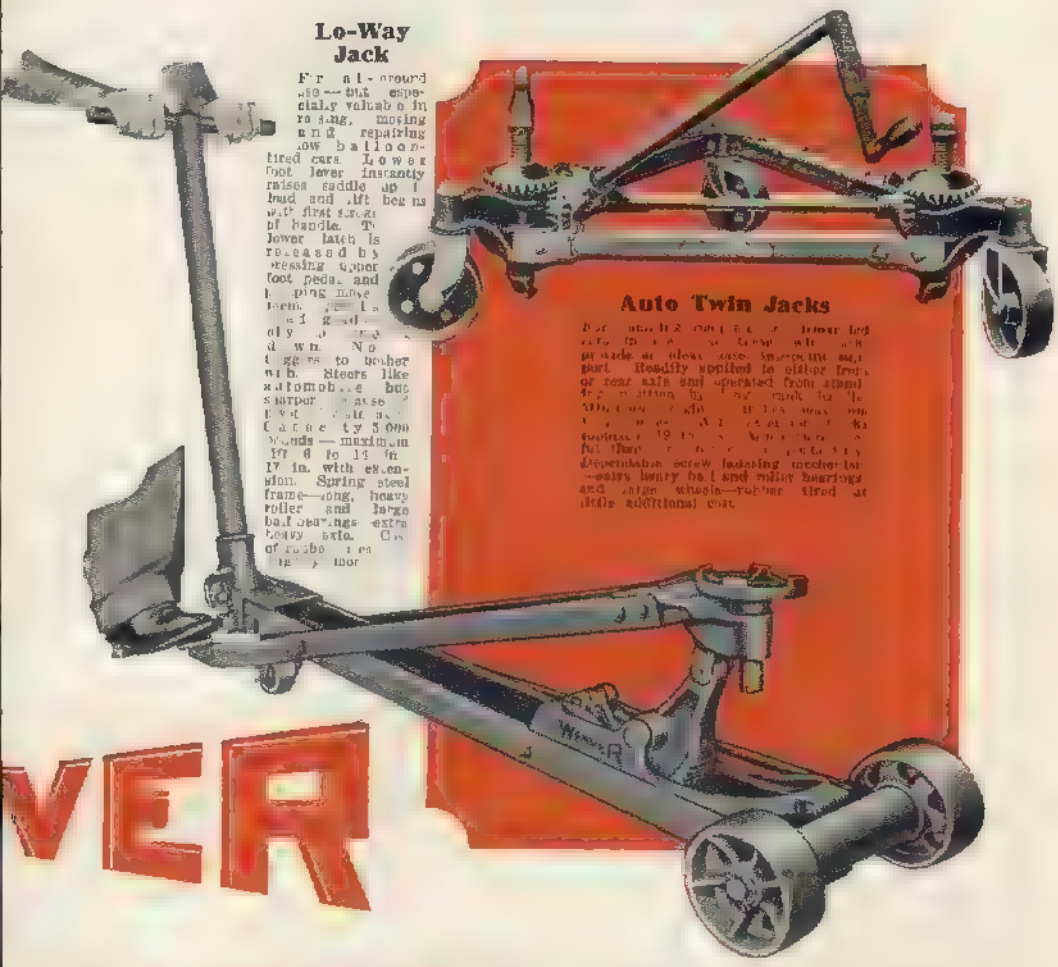
JACK
Your Work Requires ?



Lo-Way Jack

For all-around use — but especially valuable in raising, moving and repairing low balloon-tired cars. Lower foot lever instantly raises saddle up to load and lift begins with first stroke of handle. To lower latch is released by pressing upper foot pedal and [illegible] down. No [illegible] to bother with. Steers like automobile but stronger [illegible] Capacity 5000 pounds — maximum lift 6 to 14½ in. with extension. Spring steel frame—long, heavy roller and large ball bearings—extra heavy axle. [illegible] of rubber [illegible]

Auto Twin Jacks

[illegible] lower bed [illegible] provide an ideal support. Readily applied to either front or rear axle and operated from usual [illegible] Capacity [illegible] pounds [illegible] Dependable screw lowering mechanism—extra heavy ball and roller bearings and large wheels—rubber tired at little additional cost.

VER

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Weaver Manufacturing Company ATJ-9
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City State

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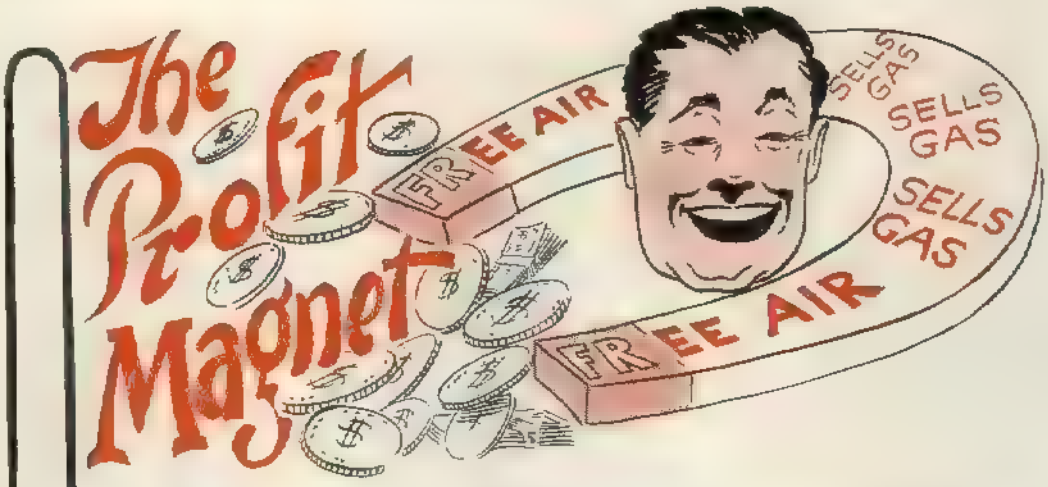

A magnet that draws the motorist and his money that's the American Air-O-Stat and thousands of owners of these modern air-measuring devices have found them the source of their BIGGEST and MOST CERTAIN profit ! !

American AIR-O-STAT

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Simple of construction simple and "fool-proof" in operation

The POSITIVE ACTION Air-O-Stat operates as follows:

(1) Set dial to amount of air pressure desired. Put chuck on tire.

(2 The air flows and a bell rings continuously while tire is inflating.

(3 When correct pressure is reached the air stops, bell quits ringing.

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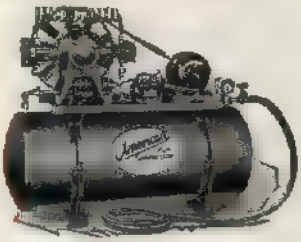
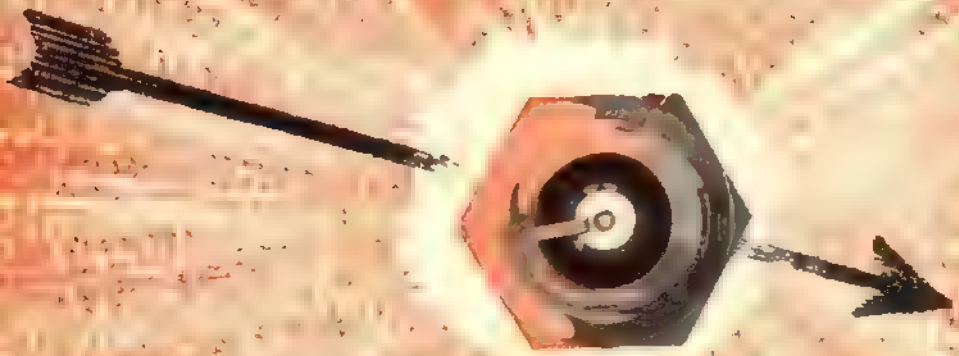
A good, strong, well-made compressor that always delivers the goods. Noiseless operation secured by using plate or disc valves—no hammering. Cylinders are offset from center to crankcase—connecting rods kept straight. Made in 3 sizes.



THE AMERICAN OIL PUMP & TANK CO
1137 Findlay St., Cincinnati
Please send information and prices on American Air O Stat. American Air Compressor

ANNOUNCING
a startling new principle in motor ignition

The MOTO METER SPARK PLUG



IF IT'S A MOTO METER PRODUCT IT'S THE LEADER IN ITS LINE

.....with the *self–*

The greatest achievement
since the invention of the self-starter

THE self-starter was instantly and eagerly accepted by the motoring public, because it *remedied a condition*—supplied a convenience that greatly added to the pleasure of driving.

The Moto Meter Spark Plug is bound to have a public acceptance just as great because it, too, contributes to the joy of quick, easy starting; further . . . it corrects conditions more alarming and vital to the life of the motor. Draining of battery, imperfect combustion, loss of power and many other motor ills are remedied by the self-adjusting spark gap, a feature exclusive with the Moto Meter Spark Plug.

NOW you can offer a spark plug that satisfies completely the demands of easy starting and smooth running, with a proper gap for each condition.

The first real advance
in spark plug design in 20 years

THE Moto Meter Spark plug is the realization of a principle long appreciated in the ignition field—a spark plug with a *self adjusting spark gap*. The advantage of a small gap for starting and a wide gap for running is recognized everywhere — the ordinary spark plug, with but one fixed gap, must necessarily be a compromise: set too wide for easy starting, too short for proper running. Now this condition is remedied — the Moto Meter Spark Plug is *not a compromise*: its spark gap is set cold at 15 thousandths of an inch and when the engine is started, opens instantly to thirty thousandths, thus doubling the length of the spark. When the ignition is turned off, the gap adjusts itself to the original short gap. A single bi-metal strip — a heat responsive electrode — accounts for the self-adjusting feature. Thus, a hot, intensive spark for quick starting and a fat, strong spark for power and smoothness in running. Only in a Moto Meter Spark Plug can this amazing, new principle be obtained, its performance is unfailing.

Priced in line with the market; liberal trade discounts. Investigate; make your spark plug business a real profit earner, not merely an accommodation.

List: for FORDS 75c . . . for other cars 90c. Special for Bus and Truck $1.00

THE MOTO METER COMPANY, INC., Long Island City, N. Y.
THE MOTO METER CO OF CANADA, LTD., Hamilton, Ontario

The name "Moto Meter" is the registered trade-mark and the exclusive property of this company

Designed, built and tested with the same care that enters into the manufacture of the famous Boyce Moto Meter and all Moto Meter products

The MOTO METER
TRADE MARK REG. U. S. PAT. OFFICE

SELF-ADJUSTING
SPARK PLUG

IF IT'S A MOTO METER PRODUCT IT'S THE LEADER IN ITS LINE

adjusting spark gap

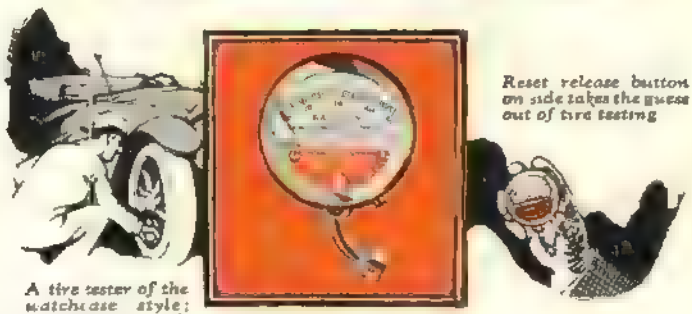
1. Terminal post has two continuous thread sizes—can be used with any type of terminal nut.
2. A gap gauge exactly 15 thousandths of an inch thick is conveniently placed under the terminal nut of every Moto Meter Spark Plug. Easily detached and replaced it simplifies setting of gap to 15 thousandths – for quick, easy starting.
3. Insulator is a new, synthetic chemical material; non-porous with high heat conductivity, almost unbreakable; engine heat will not crack it; great di-electric strength; immune to acids, salts and solvents.
4. Anti-rust shell and coupling nuts beautifully finished; perfectly balanced.
5. Ground electrode is a heat responsive bi-metal product which expands, increasing the spark gap 15 thousandths regardless of engine heat; the wide running gap is constant while the engine is in operation yet adjusts itself to small gap when the ignition is turned off.

Hot, intensive spark for easy starting. Spark gap set cold at 15 thousandths, gap gauge, exactly 15 thousandths thick, furnished with every Moto Meter Spark Plug

Ordinary spark plug gap has no self-adjusting feature; gap set at mean average cannot properly satisfy either starting or running.

Heat-responsive, bi-metal strip used exclusively on Moto Meter Spark Plugs opens spark gap instantly to 30 thousandths, proper running gap.

THE MOTO METER TIRE TESTER



A tire tester of the watchcase style; Scale easy to read.

Reset release button on side takes the guess out of tire testing

Another worthy addition *to the Moto Meter Line!*

ONE of the features of the Moto Meter Tire tester is its simple construction: all geared movements are eliminated and instead, an improved type of Bourdon tube used.

The chromium plate finish combines beauty with durability; the crystal is unbreakable; leather carrying case with each instrument.

Convenient, accurate and dependable; indicator arrow registers and holds pressure figure until released by reset button.

Made in three types: Balloon, Regular and Truck with proper pressure scale for each—same list $1.50 for all models. Stocked by all leading jobbers.

A new Moto Meter Product that will have fast turnover and give generous profits

The MOTO METER COMPANY INC.

LONG ISLAND CITY, N.Y., U.S.A.

Makers of the famous BOYCE MOTO METER *and all types of heat indicators*

Now on the radiator caps of more than 10,000,000 motor cars

IF IT'S A MOTO METER PRODUCT IT'S THE LEADER IN ITS LINE

New Cars and Models

Cadillac's New LaSalle is a V-Type Eight

By W. L. Carver

WITH the advent of the eight-cylinder LaSalle, the General Motors Corporation fills the last open price bracket in the range from Cadillac to Chevrolet. Built and marketed by the Cadillac Motor Car Co. and incorporating the V-type eight-cylinder engine identified with the last fourteen years' history of that concern, the new car is not a small Cadillac but a separate entity. Four years have been spent in development and the result is not a compromise of American and European practice but an individual job of striking appearance and performance.

With a wheelbase of 125 in. and 90 deg. V-eight engine of 3⅛ in. bore and 4 15/16 in. stroke which develops more than 75 hp., the new car shows more than 70 m.p.h. actual maximum speed with commensurate acceleration, flexibility and hill-climbing ability. Frame height is 20 in. and although liberal head room is found in all bodies, the top line of all the body styles is about level with eyes of a person of average height when the car is at the curb. In addition to unusual mechanical make-up and performance, the LaSalle introduces a new two-tone color scheme in which surfaces viewed in any direction are broken up so that an impression of unusual compactness and individuality is conveyed. Hoods and cowls are darker tone than the body proper where in turn the effect is continued by cheat lines at the bottom pillar lines and unusual belt molding effects.

Six body models comprise the line as indicated below:

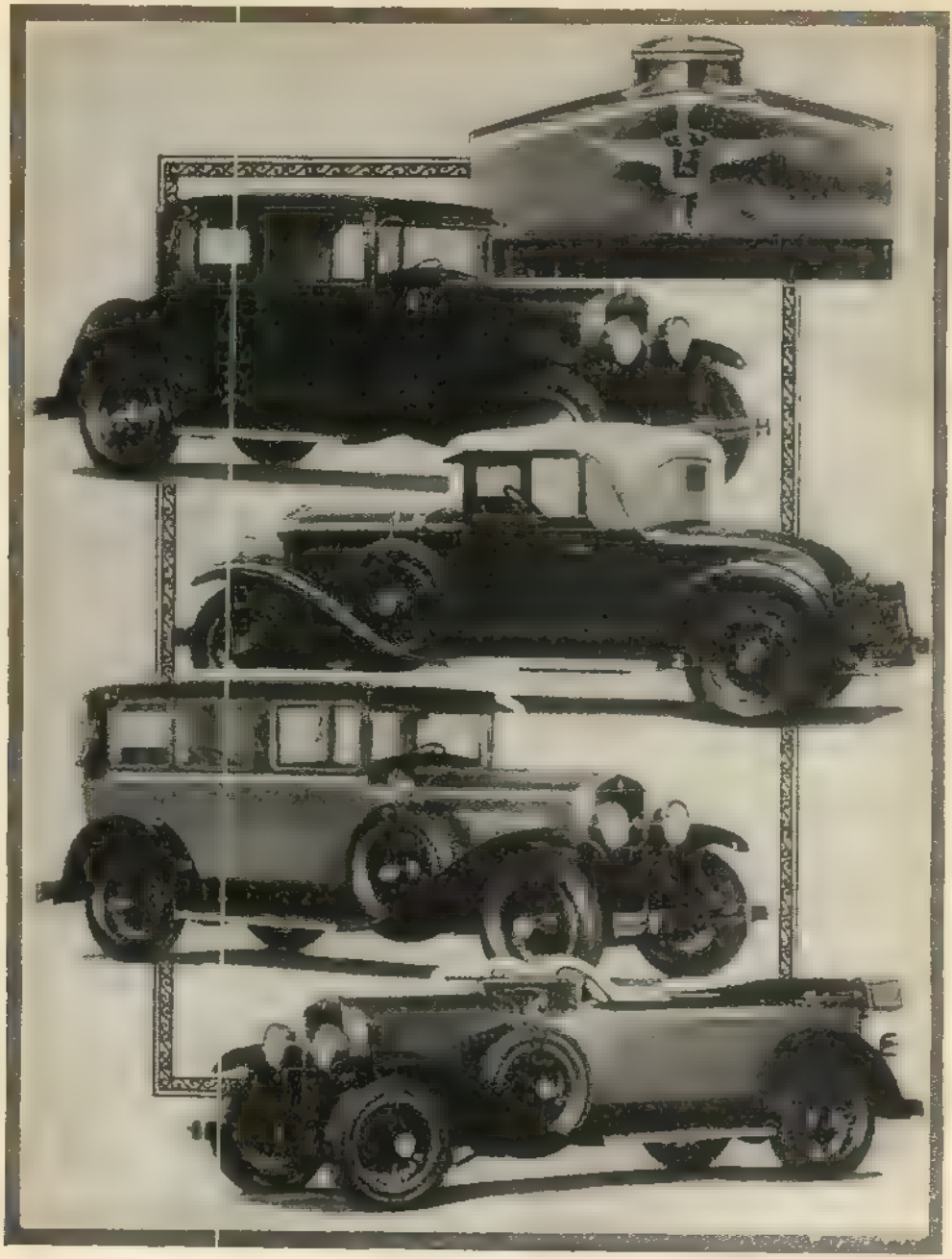
Two passenger roadster with rumble seat	$2525
Five passenger phaeton	$2495
Two passenger coupe with rumble seat	$2585
Two passenger convertible coupe with rumble seat	$2635
Four passenger victoria	$2635
Five passenger sedan	$2685

Particular attention has been paid to the design and appointments of the open bodies as it is believed the market for open cars of distinctive appearance will be a strong factor in this year's quota. Windshields are arranged to fold flat with the top of a wide polished aluminum base which extends clear across the body. Tops also are arranged to fold flat and are equipped with wood bows and polished nickel fittings. While twelve-spoke artillery wheels are standard for both open and closed models, disk wheels are optional and unusual emphasis has been placed on the latter. Present production plans call for the equipment of about 30 per cent of the cars with wire wheels and in this case, two spares are mounted in wells in the front fenders while a folding rack is substituted for the usual tire carrier. Front and rear bumpers are standard equipment on all models.

Completely Equipped

Fisher bodies are used throughout with the V-V windshield fitted to all closed bodies with the exception of the convertible coupe which has a tilting windshield equipped with adjustable nickeled fittings. Closed bodies are trimmed inside in mohair and carry complete equipment suitable for each body type. Typical items are dome lamps, leather covered vanity case, smoking set, foot rest, assist cord, robe rail, arm rests, remote door controls. All interior metal is in Butler silver finish. In addition to the rumble seat for the coupes and roadster, golf bag compartments are included.

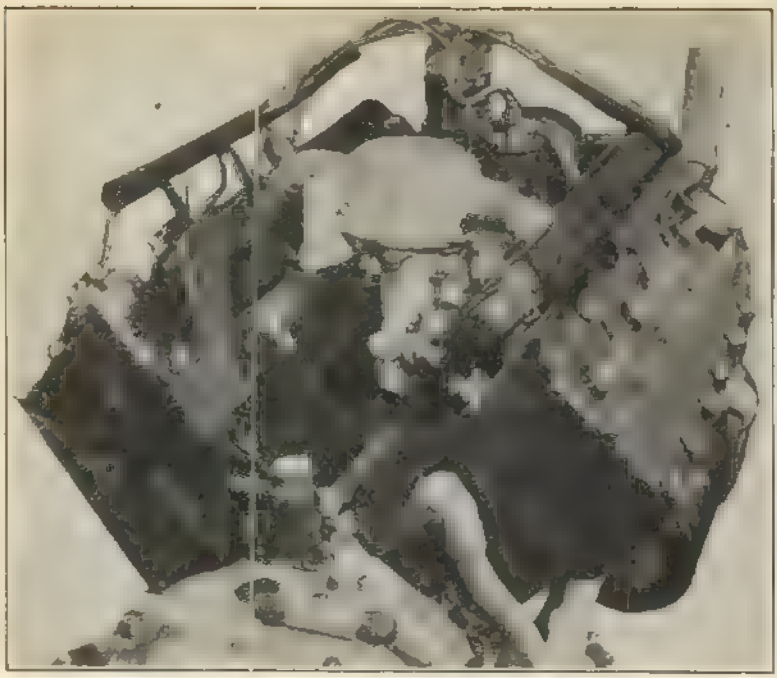
Individual exterior appearance is emphasized by a bead or windbreak effect which is worked into the tips of the fenders and on the backs of the bullet type nickeled head and cowl lamps. A similar effect is continued at the top face of the radiator shell and carried over the top of the low filler cap and along the top of the hood. The radiator is high and deep and relatively narrow with slightly sloping top surfaces. A winged emblem bearing the crest of Sieur de LaSalle is mounted in the triangular



The new LaSalle emblem shown at top right is taken from the old LaSalle coat of arms. The models shown from top to bottom in order are the four pass. victoria, the convertible coupe; the five pass. sedan and the five pass. phaeton

panel at the top front surface. The appearance of depth is amplified by continuing the black enamel appearance of the thermostatic shutters over a great part of the bottom tank of the radiator

Headlamps are mounted on individual stanchions while the cross brace, which also extends to the one-piece full-crowned fenders is interrupted at the center by a LaSalle monogram. At the rear is mounted a combined stop and tail lamp. Both open bodies are fitted with two cowl ventilators which are arranged symmetrically at each side of a conservative arrowhead panel which begins at the top of the hood and blends into the windshield base and belt molding. Three



LaSalle engine with ribbed cylinder heads. The flexible tubing at rear of right block is part of the crankcase ventilating system

standard color schemes including two-tone handling of shades of red, blue and green are optional. The darkest shade is applied to the hood and cowl and extends along the cheat line at the bottom of the body. A dark effect which blends with the Fabrikoid tops is used at the pillars while reveals of light shades surround all windows.

Metal instrument boards are set off by walnut panels, while all instruments are grouped at the center in a die cast aluminum panel equipped with two indirect lights. Included are speedometer, clock, oil pressure gage, gasoline gage and a remote engine heat gage graduated in deg. Fahr. This panel also mounts the carburetor starting control button which is located symmetrically with a similar button for the ignition switch. No lock is used for the ignition but locks are fitted at the doors and at the gear box. Supplementary manual control for the automatic control at the distributor head is by a decorative lever which is mounted on the instrument board immediately ahead of the steering column. At the opposite side of the board is an electric cigar lighter.

All lights including the twin beam arrangement and auxiliary parking lamps in the headlights are controlled by a lever located below the horn button at the head of the steering column.

Tires are 32 x 6 on a 20 in. base. Semi-elliptic springs are used all around and Watson Stabilators are standard equipment. All springs are 2 in. wide while the front springs are 39 in. long and the rear, 58 in. While the front spring suspension is conventional, the rear employs the tension shackles which are characteristic Cadillac practice. As the torque and propulsion are taken through a torque tube equipped with a ball joint engaging with a spherical seat at the back of the gear box, rear springs are shackled at both ends. At the front of these springs, pin type shackles are used, while at the rear, a hardened ball forms the point of attachment between the shackle and the frame.

With the exception of the torque tube arrangement at the rear, axle and brake practice follows present Cadillac practice very closely. The rear axle is three-quarter floating in a built-up steel banjo housing. Ball bearings including a double-row bearing carrying the thrust are used on the pinion shaft while the differential is mounted in taper roller bearings. The standard gear ratio for the spiral bevel driving gears is 4.54 to 1. Ball bearings also are fitted at the axle ends.

Typical Cadillac Brakes

Outside of a reduction of diameter to 14 in., the brakes are typically Cadillac. At the rear equalized contracting bands are foot-operated while internal shoes actuated by an entirely separate system are the emergency brakes. Braking force is equalized between the front and rear. Front brakes are the toggle operated internal band type which are equalized with each other for straightaway operation but compensated for turns.

Although a deep drop is employed at the I-beam front axle, the ground clearance, which is minimum at this point, is 8¾ in. Reversed Elliott construction is used at the axle ends with the king pins slightly inclined and equipped with ball thrust bearings. Front wheels are mounted on ball bearings. Controlled by a worm and sector steering

gear with a ratio of 17.5 to 1, the turning radius is 20 ft.

An offset type of frame, 29 in. wide at the front and 37½ in. wide at the rear, is 6½ in. deep at the middle section and tapers toward each end. Wide flanges are used and the frame stock is 5/32 in. thick. An unusual feature is the reinforcement of ⅛ in. thickness which is incorporated in the front end of each side channel. It is stated the reinforcement of this nature is one of the important factors in the elimination of shimmy.

Seven Cross Members

Altogether, seven cross members tie the two side channels together. A tubular member is fitted at each end of the frame. An intermediate inverted channel is located just back of the gear box and another is placed at the front anchorage of the rear springs. A formed channel is located under the radiator and supports that member and the front ball mounting of the engine. Another channel is placed at the back end of the body adjacent to the 20-gal. gas tank. The seventh cross member is formed by the bell housing feet at the rear of the engine. All channel cross members are gusseted for additional rigidity.

While the engine has all earmarks of Cadillac design, close inspection reveals several pronounced changes from the practice for the larger unit, chief of which are the offset cylinders, location of the starting motor on the lower back of the bell housing, different manifolding, installation of a new vacuum booster pump in the fuel system and slightly different head construction. Characteristic details retained are the four-throw, three-bearing compensated crankshaft, crankcase ventilating system, two-chain arrangement at the front of the engine, and belt-driven fan. A striking feature of the new engine is the wide use of aluminum alloy.

With eight cylinders of 3⅛ in. bore and a stroke of 4 15/16 in., the displacement is 303 cu. in. and the output exceeds 75 hp. at relatively moderate speed. Due to the elimination of the articulated rod arrangement which is standard in the larger engine, the right block is set 1⅝ in. ahead of the left. Assigning odd cylinder numbers to the right side of the engine and even to the left, the firing order is 1-2-7-8-4-5-6-3.

Crankshaft Bearings 2⅛ In.

All crankshaft bearings are 2⅛ in. diameter. Chadwick interchangeable bronze-back, babbitt-lined split bushings which are held in forged copper aluminum alloy caps, range in length from front to rear as follows: 1., 15/16 in., 1⅝ in. with the thrust taken at the rear bearing. As the cast-in lower rod bearings are 1⅝ in. wide and arranged side by side on one throw, the length of the connecting rod bearing on the crankshaft is 2¾ in. The design of the shaft follows that of its larger predecessor very closely. The connecting rod throws are drilled out to 1¼ in. for full length in order to lighten the shaft assembly. Turned copper aluminum shells which incorporate the oil passages are inserted in these holes to complete the assembly. As formerly, the counterweights are bolted on.

Connecting rods are 10 in. long between centers and mount burnished piston pins of ¾ in. diameter in bronze bushings at the upper end. The heads of the rod are turned and the faces of the shank are ground to equalize weight distribution. Lightweight full skirt nickel iron pistons carry three rings above the pin, the lower being a double slotted scraper type in a drilled groove. The detachable cylinder head incorporates the combustion spaces which are designed for high compression and high turbulence. An unusual feature is the use of several small longitudinal cooling fins on the top of each cylinder head casting.

Four-Bearing Camshaft

The camshaft is mounted directly over the crankshaft in four bearings. Three are inserted bronze bushings while the front bearing is in a bolted-in copper aluminum casting which carries the end thrust. Sixteen cams provide individual operation for each valve. Camshaft drive is by a heavy silent chain from the front of two sprockets on the forward end of the crankshaft. As an unusually heavy chain is used, no adjustment is provided in the camshaft drive. At the front the camshaft carries a large pressed steel pulley which drives the six-bladed 20-in. Automotive fan through a V-belt. This fan which includes a plain cast-iron bearing running on a hard shaft with high pressure lubrication by a built-in gear pump is mounted in a slotted bracket arrangement which provides adjustment for belt wear.

Roller type lifters are grouped is assemblies of four in copper aluminum brackets which bolt to the surfaces inclined at 45 deg. to which the cylinders are bolted. The barrel portion of the lifters is light tubular section and the rolls are aligned by projections which engage with slots near the top of the bracket. These projections are located just below the adjusting and clamp screws.

Valves have a clear opening diameter of 1⅛ in. Tungsten and silico-chrome steels are used for the intake and exhaust valves, respectively. Siamesed ports are located at the intake valves while the exhaust ports are individual. Separate intake and exhaust

manifolds are used with exhaust at the front where a header connects both manifolds to the exhaust pipe. A cross manifold which joins the two longitudinal intake manifolds incorporates an exhaust heated chamber. This chamber is connected by slip connections to each of the exhaust manifolds in a manner which allows the entrance of the most heat at relatively low speeds. The vertical carburetor is similar to that used on Cadillac and incorporates thermostatic elements which proportion the mixture according to temperature. Located at the back of the frame, the capacity of the gasoline tank is 20 gal.

While fuel is fed from a vacuum tank on the dash, a vacuum booster pump in the vee near the back of the crankcase assures adequate fuel flow at full throttle opening. This pump is driven by a small eccentric strap from the camshaft. The pump is in a shunt arrangement with the line connecting the intake manifold and top of the vacuum tank. A one-way check valve is placed in the primary or usual line so that the vacuum pump cannot draw from the intake manifold but merely reduces the operating pressure in the vacuum tank to the desired degree during full throttle operation.

Remy-Delco Generator

The air discharge side of the pump which relieves the load on this unit during part throttle operation is connected to the interior of the crankcase.

The regular Cadillac crankcase ventilating system is included in the new design.

A separate silent chain driven by the rear crankshaft sprocket and extending horizontally to the right provides the drive for the generator and water pump. The latter unit is located on the front of an aluminum housing and driven through a flexible coupling from the generator drive sprocket. Both water pump and generator are locked together by a strap which permits them to be swung simultaneously for chain adjustment. The generator is Remy-Delco two-pole type with third brush regulation and is located on the back of the same extension housing which carries the water pump.

A vertical shaft, driven by spiral gears located near the front of the camshaft supplies the distributor drive. This unit made by Delco is mounted on a bracket which extends well up the vee formed by the cylinder blocks. Two breaker arms and a four-lobed cam insure operation at high speeds.

Copper aluminum alloy again is used for the oil pump housing. This unit of the gear type is bolted to the lower side of the front main bearing cap and driven by a vertical shaft which connects with the distributor shaft. A copper tube manifold connects the pump to each of the two rear main bearings while connection to the front is established at the joint between the pump housing and bearing cap. Full pressure is supplied to all main camshaft and lower rod bearings. An AC oil filter is part of the lubrication system. Normal oil capacity of the pan is 8 qts.

The cooling system has a capacity of five gallons. The water pump is located at the right side of the engine, the radiator outlet is at the left side and a rather long hose connection is used to facilitate service work and simplify connections. The pump outlet swings down under the generator and connects to a branch at the midpoint of the right block. On the discharge side of this branch, one leg connects to the right block while the other joins a passage cored across the crankcase for the supply to the left block. Temperature control is obtained by the characteristic shutters at the front of the radiator. A thermostat actuated by the heat at the top tank operates these shutters.

A multiple disk clutch connects the engine and gearbox. Six driven and five driving disks are carbon steel with the latter faced on both sides with asbestos friction material of 7⅝ in. diameter. Driving disks engage the flywheel through the medium of gear teeth while the driven disks contact with six rectangular splines on the forged clutch hub. The gearbox is conventional in every respect with center control of three speeds and reverse. Gear reductions at this point are as follows:

First speed—3.12 to 1	Third—Direct
Second—1.7 to 1	Reverse—3.75 to 1

Operating Noises at a Minimum

Gears are ground and chamfered so that operating noise is reduced to the minimum. In both crankcase and gearbox design, considerable study has been devoted to anti-resonant characteristics. The rear end of the upper shaft assembly carries the speedometer drive gear and back of that unit a universal joint which is inclosed in the spherical housing in which the front end of the torque tube is centered. The gearbox is somewhat more compact than that installed in Cadillac.

An overrunning clutch and positive foot actuation control the starting motor which is placed alongside the gearbox and mounted in the back of the clutch housing.

An Exide 100 am. hr. storage battery is mounted in a pressed steel bracket under the right side of the driver's seat while the space at the left forms the tool box. When fender wells are not utilized for two wire-wheel spares, a rim type carrier is located at the rear. Lubrication of the chassis is accomplished by grease gun.

Adjustment and Maintenance of Stutz Hydrostatic Brakes

By Paul Dumas

ALL models of the Stutz eight-cylinder line of cars are equipped with hydrostatic brakes on all wheels controlled by the foot brake pedal. The actuating fluid is a solution of half alcohol and half water contained in a hermetically sealed system.

Pressure is developed in this system by a plunger linked to the brake pedal. When the brake pedal is depressed the plunger slides into a housing bolted to the side of the transmission case. This housing contains a rubber bellows or diaphragm which is connected to the brake system and filled with the brake actuating fluid. When the brake pedal is depressed the plunger distorts the bellows and builds up pressure in the system. The plunger is approximately 3 in. in diameter. No liquid is in contact with the plunger.

The schematic layout of the brake system is illustrated at Fig. 2.

In each wheel is a brake fluid chamber somewhat similar to a small flat inner tube. This tube is rigidly encased on three sides, the open side corresponding to the tread on a flattened inner tube. Six shoes or segments rest around the circumference of the tube. Six springs and six anchor pins hold the shoes down against the rubber tubes, preventing them from dragging and preventing brake rattle.

When the brake pedal is depressed, the fluid displaced flows through steel pipes and establishes an equal pressure throughout the system, expanding the tubes in the four wheels and pressing the six shoes in each wheel out against the brake drum. The shoes or segments are each restrained from rotating in either the forward or reverse direction by the anchor pins or stops, illustrated at Fig. 2. The entire set of 24 shoes or segments in the brake system is perfectly equalized by the fluid pressure. The pins indicated at Fig. 2 which restrain the shoes from rotating are locked in place by flat laminated springs which hold the shoes against the rubber tube. Each pin is turned to a smaller diameter at its center section and the flat spring fits into the smaller section. The pins are also held in place by a thin head on the outside end and a cotter pin on the inside end.

On the first series of cars the system was similar to the layout at Fig. 2, except that no supply tank was fitted. Later models, however, are supplied with a fluid supply tank to facilitate adjustment.

The methods of adjusting the brakes differs with the two systems and the procedure is explained in the following paragraphs.

On Stutz vehicles equipped with a fluid supply tank which was made regular equipment on cars above No. 83843 and 70161 (and which can be applied to the older models) ordinary adjustment to compensate for wear of the friction lining is accomplished by opening valve N, Fig. 1, unscrewing the plunger knob and pumping a few strokes. The valve is then shut and the brakes are tested. When properly adjusted the brake pedal should pass through approximately half its travel without obtaining any marked brake action. From this point on the pedal should feel quite solid when depressed and maximum brake action should be obtained before the pedal strikes the floor. If too much pressure has been put on the fluid by the pump the brakes will drag or bind. To loosen them it is only necessary to open the valve again and allow it to stand open for a short time which will permit the fluid to pass from the system back into the tank. **The valve is then shut and should remain so during operation of the car.**

Fig. 1—Close-up of dash supply tank

On Stutz cars not equipped with the dash supply tank provision is made at the pedal linkage to restore pedal travel due to worn lining, but this is used mostly as an emergency or road adjustment and will be explained

later. Wherever possible the cars not equipped with dash supply tank should be adjusted by refilling the system as outlined below.

Major Adjustment by Bleeding and Refilling

A "spongy" soft resistance of the brake pedal together with a tendency of the brakes to drag when the pedal is off, and the lack of adequate braking action when the pedal is depressed to the floor boards will indicate there is air in the system. When this condition exists on any of the eight cylinder models the system should be refilled and bled to eliminate air and checked for leakage as described in the following paragraphs.

The operation of refilling and bleeding the brake system is fundamentally the same regardless of whether or not the particular vehicle is equipped with a fluid supply tank. The equipment needed for this operation is not elaborate. Most Stutz service establishments are equipped with a tank as shown at Fig. 3. This is of such construction that will enable it to stand 60 to 80 pounds pressure and it should have a capacity of 10 gallons or more. It is equipped with a large filling cap at the top and with a valve for connecting the air compressor supply hose. An air gage should also be installed at the top. The bottom of the tank should be equipped with an outlet valve and nipple to which is screwed a "Tee" fitting with a nipple and "ell" at each end. A hose line equipped with a shut off valve is placed on each "ell" and the extreme end of each is fitted with a special bleed valve as supplied in each Stutz car tool kit. The other needed item of equipment is a gooseneck stand pipe approximately 18 in. high equipped with a valve as shown. The purpose of the gooseneck shape is to keep out air during bleeding, the principle being the same as incorporated in the conventional wash sink trap.

If the repair shop does not wish to go to the trouble of making up a tank an ordinary hand type tire pump will function in an emergency.

The arrangement of the equipment for bleeding and refilling is illustrated at Fig. 3. The procedure, assuming that the test tank rather than hand air pump is being used is as follows:

1. Fill test tank approximately half full of a mixture of 50 per cent alcohol and 50 per cent water.

2. Allow to stand for at least an hour so as to permit air bubbles to separate from the solution.

3. Shorten the adjustable yoke "y" Fig. 6 at the brake pedal to the limit of its travel. This shortening will bring the bellows plunger to the rear as far as it will go and thus give full capacity to the bellows.

4. Unscrew pipe plug from dash supply tank and insert gooseneck standpipe as shown at Fig. 4. Direct the standpipe into a glass vessel as shown. Connect air compressor line to test tank and when gage on test tank shows 60 pounds pressure, disconnect.

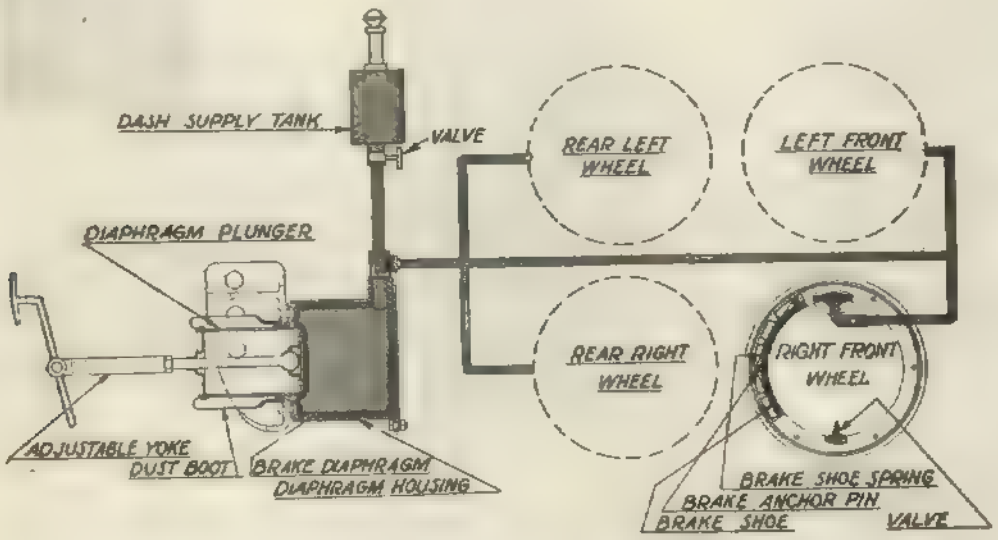


Fig. 2—Layout of circuit Stutz hydrostatic brakes. Although not shown, each wheel carries a rubber expansion element as illustrated on right front wheel

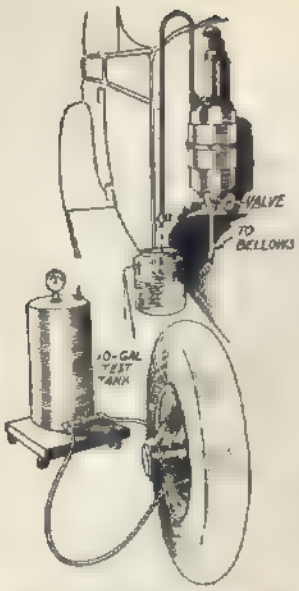


Fig. 3—Arrangement of equipment for bleeding Stutz brakes

5. Now remove dust caps from both front wheel chamber valves and connect the two test tank lines as shown (for one side only) at Fig. 5. The valves are at the lower side of brake housing on front wheels and upper side on rear wheels. Now with both lines attached to wheel chamber valves open the shut off valve at bottom of test tank so as to allow fluid to enter system at the test tank pressure of 60 lb.

6. Open the standpipe valve and allow fluid to pass through brake system until no air bubbles appear in the glass bottle. During this operation the stand pipe valve should be turned off and on, repeatedly "flashing" the system to blow out the air bubbles. When no more air bubbles appear shut off the valves controlling the supply lines and also the valve in the stand pipe.

7. Remove the supply lines from the front wheels and then attach them to the rear wheel chamber valves. Open the standpipe valve and repeat the operation as was done on the front wheels. When air bubbles stop, shut off the valve "N" at Fig. 4; then remove the standpipe and supply lines from wheel chamber. The system will now stand under pressure and this will cause the brakes to be locked.

8. Now bleed or drain off a very small amount of fluid (one to two spoonsfull) from the valve in any one of the wheel chambers until the brakes are free and pedal has movement recommended under instructions for "Normal adjustment" on page 1. Replace all wheel chamber dust caps and check for leaks as outlined under "CHECKING for Leakage."

Refilling and Bleeding on Cars With No Supply Tank

The operation of refilling and bleeding the system as described above applies to the late series cars which were equipped with the dash mounted fluid supply tank. On cars not equipped with the dash supply tank the procedure is similar except the gooseneck bleeder stand pipe is attached to the fitting at top of bellows housing. The valve in standpipe should be flushed to remove air bubbles as described previously and system filled until brakes are locked, then released by draining at one of the wheel valves as previously described.

Refill and Bleed With Hand Air Pump

Fluid may be added to the brake system where it is not necessary to fill the system completely, by means of an ordinary hand tire pump. To facilitate the use of the hand tire pump the standard hose connection should be removed from the end and the elbow bleeder valve which comes as part of the car's regular tool equipment should be inserted instead.

To use the hand pump proceed as follows:

1. Unscrew nut at top of pump barrel and withdraw rod and plunger assembly.

2. Fill pump barrel with a solution of half alcohol and half water. Replace the plunger assembly.

3. Remove dust cap from any one of the wheel brake chambers and attach pump hose. Force the liquid into the system with a single stroke, stopping when the plunger is within three inches of the bottom. The single movement using all but last three inches of the pump stroke is necessary in order to prevent air bubbles from entering the system.

The hand tire pump method is not recommended and the independent repair shop operating in a territory where there are several Stutz cars should construct a test tank for this work.

Fig. 5—Test tank lead connected to one front wheel chamber valve

Fig. 6—The yoke adjustment at pedal linkage, showing variable leverage holes

All of the eight cylinder models are provided with an adjustment to compensate for lack of pedal travel due to wear in linings or loss of fluid. On the cars equipped with the dash supply tank this adjustment is never used but on those cars not so equipped it functions as a road or emergency provision to insure application of the brakes before pedal strikes floor boards. The yoke adjustment is shown at Fig. 6. If pedal strikes floorboards before brakes are fully applied, loosen locknut and turn rod in direction that will lengthen it and thus push the diaphragm plunger closer towards the fluid in bellows. Before filling and bleeding the system for major adjustment always see that this yoke adjustment is shortened to the limit of its travel which means that there will be none or very few threads showing at the locknut end of the rod.

Checking for Leakage

Two methods of checking for brake system leakage are possible. If the test tank outfit is available the test for leakage will be made by attaching one of the supply connections to any one of the wheel chamber valves, and turning on the pressure. Use 60 to 80 pounds pressure and keep test tank valve open while observing for leaks at connections, bellows, and wheel elements.

A simple method which does not necessitate use of the test tank is to use parts of newspapers which may be spread on the floor to cover the entire bottom area of the car. The foot brake pedal is jacked in the applied position and the car allowed to stand for two hours or more. Examine the newspapers carefully after the car has been standing. Leakage of the alcohol water solution will blot the printing and enable the mechanic to easily locate the source of leak. The most frequent source of leakage is loose connections in the brake lines although occasionally a porous fitting may be discovered.

A porous fitting can generally be repaired by sweating with solder as the orifice will be of minute diameter. A possible source of leakage is the valve centers in the brake fluid chambers at each wheel. Valve centers used in these chambers are the short type and particular attention must be given to securing the correct cores for replacement, to avoid the possibility of puncturing the tube with a long type core.

Adjustment of Pedal Pressure

Three different ratios of mechanical linkage between the brake pedal and the diaphragm plunger have been used. Cars numbered up to 80330 were equipped with brake pedals drilled to give a 6 to 1 mechanical ratio. Commencing with car No. 80330 the brake pedal was changed slightly to permit drilling three holes in the pedal, the holes giving, respectively, 4, 5 and 6 to 1 mechanical ratio. Cars numbered from 80330 to 80815 have the diaphragm plunger yoke pinned in the bottom hole giving 4 to 1 leverage. Since car No. 80815 and on all seven passenger cars the plunger yoke has been pinned in the center hole, giving a 5 to 1 leverage. Where complaints of excessive pedal pressure are registered the diaphragm plunger yoke may be pinned in the top hole giving a 6 to 1 leverage. When this change is made it is very essential that the diaphragm housing be realigned to the new yoke position.

The diaphragm housing is held to the side of transmission case by three studs and nuts. The top and bottom holes for these three studs are elongated so that the diaphragm housing may be rocked to the proper alignment for the new yoke position. On a few of the early cars the holes in the diaphragm housing were not elongated and this will necessitate detaching the diaphragm housing and elongating the top and bottom holes. In addition to the vertical alignment of the diaphragm housing it is sometimes necessary to align the housing in a horizontal direction by installing shims between the diaphragm housing and the transmission case to move the housing

Fig. 4—Closeup of dash tank with gooseneck stand pipe installed

to the left, or by dressing off the diaphragm housing pad which fits against the transmission case, in order to move the housing to the right. **The correct alignment of the diaphragm housing is very essential to obtain minimum pedal pressure and this alignment should be checked whenever complaint is made of excessive pedal pressure regardless of whether the mechanical ratio is changed.** The correction of grease and oil leaks as described in the following paragraph is also important in correcting pedal pressure.

Grease and Oil Leaks

To prevent grease from penetrating to the front brakes, a lubricant similar to Pennzoil No. 5 grease should be selected. The wheel bearings must be properly adjusted and the felt packing ring must be in good condition. Oil leaks to the rear brakes may usually be corrected by the use of Pennzoil 650 S Gear Oil in the rear axle. It may also be necessary, after a considerable amount of service, to install new cork packing rings at the inside of the wheel bearings and new leather packings at the outside of the wheel bearings.

Break Squeaks

Brake squeaks or dragging brakes are usually caused by brake shoe springs and pins of the early type which may be defective, or by grease and oil leaks as described above, or by unnecessary openings in the brake shoe housing which should be closed up. Brake squeaks may also be caused by brake lining rivets which come into contact with the drums. The brake lining should be chamfered or beveled on each end and dirt should be removed from the brake lining surface with a steel brush. The brake shoes should fit freely in the channels and should not bind.

Dragging Brakes

Dragging brakes may ordinarily be attributed to defective early type brake shoe springs and pins or air in the brake system. The defective springs and pins should be replaced with new ones of a later type which are procurable from the factory. Air in the brake system can be removed as previously outlined under "Refilling and Bleeding."

General Motors Export Announces Changes

The General Motors Export Co., announces changes in personnel with J. D. Mooney, president, on tour of the assembly operations in South America. R. K. Evans, regional director for Europe, has been elected a vice-president of the company. Robert R. Thien, formerly with the McManus Agency, Inc., has joined the sales department as advertising manager.

M. A. Flannery has been named sales manager and J. A. Morris, supply manager of General Motors South Africa, Ltd. W. R. Fry has been made advertising manager of General Motors South Africa, Ltd.

Electric Roadster Weighs Only 200 Pounds

A miniature 2-passenger electric roadster weighing only 200 pounds, which has a 62-inch wheelbase and will make ten miles an hour, was introduced to the public at the seventh annual Electric Truck Show, in The New York Edison Company's showroom at Irving Place and 15th Street. This roadster is designed for practical service in the city or the country, making short runs to the shops or the club or the beach.

The chassis of the roadster is of the buckboard type, with ash slats, and the wire wheels are supplied with over-size pneumatic tires. An electric motor similar to the starting motor of a gasoline automobile drives the rear wheel by a gear train. The standard storage battery will drive the car twenty to thirty miles, depending on the road, on a single charge. Foot pedals are used to operate both the emergency and service brakes, and also the 2-speed motor control

The roadster is equipped with head and rear lights, a standard size electric horn, and a device which cuts off the supply of electric curent and locks the emergency brake.

Andrews Promoted by Continental Motors

D. A. Andrews has been appointed assistant sales manager of Continental Motors Corp. He has been service manager with Continental for 15 years. His interest in the latter position will be continued in an advisory way. During his connection with Continental he has been closely connected with sales activities.

D. A. Andrews

New Cars and Models

Cadillac's New LaSalle is a V-Type Eight

By W. L. Carver

WITH the advent of the eight-cylinder LaSalle, the General Motors Corporation fills the last open price bracket in the range from Cadillac to Chevrolet. Built and marketed by the Cadillac Motor Car Co. and incorporating the V-type eight-cylinder engine identified with the last fourteen years' history of that concern, the new car is not a small Cadillac but a separate entity. Four years have been spent in development and the result is not a compromise of American and European practice but an individual job of striking appearance and performance.

With a wheelbase of 125 in. and 90 deg. V-eight engine of 3⅛ in. bore and 4 15/16 in. stroke which develops more than 75 hp., the new car shows more than 70 m.p.h. actual maximum speed with commensurate acceleration, flexibility and hill-climbing ability. Frame height is 20 in. and although liberal head room is found in all bodies, the top line of all the body styles is about level with eyes of a person of average height when the car is at the curb. In addition to unusual mechanical make-up and performance, the LaSalle introduces a new two-tone color scheme in which surfaces viewed in any direction are broken up so that an impression of unusual compactness and individuality is conveyed. Hoods and cowls are darker tone than the body proper where in turn the effect is continued by cheat lines at the bottom pillar lines and unusual belt molding effects.

Six body models comprise the line as indicated below:

Two passenger roadster with rumble seat	$2525
Five passenger phaeton	$2495
Two passenger coupe with rumble seat	$2585
Two passenger convertible coupe with rumble seat	$2635
Four passenger victoria	$2635
Five passenger sedan	$2685

Particular attention has been paid to the design and appointments of the open bodies as it is believed the market for open cars of distinctive appearance will be a strong factor in this year's quota. Windshields are arranged to fold flat with the top of a wide polished aluminum base which extends clear across the body. Tops also are arranged to fold flat and are equipped with wood bows and polished nickel fittings. While twelve-spoke artillery wheels are standard for both open and closed models, disk wheels are optional and unusual emphasis has been placed on the latter. Present production plans call for the equipment of about 30 per cent of the cars with wire wheels and in this case, two spares are mounted in wells in the front fenders while a folding rack is substituted for the usual tire carrier. Front and rear bumpers are standard equipment on all models.

Completely Equipped

Fisher bodies are used throughout with the V-V windshield fitted to all closed bodies with the exception of the convertible coupe which has a tilting windshield equipped with adjustable nickeled fittings. Closed bodies are trimmed inside in mohair and carry complete equipment suitable for each body type. Typical items are dome lamps, leather covered vanity case, smoking set, foot rest, assist cord, robe rail, arm rests, remote door controls. All interior metal is in Butler silver finish. In addition to the rumble seat for the coupes and roadster, golf bag compartments are included.

Individual exterior appearance is emphasized by a bead or windbreak effect which is worked into the tips of the fenders and on the backs of the bullet type nickeled head and cowl lamps. A similar effect is continued at the top face of the radiator shell and carried over the top of the low filler cap and along the top of the hood. The radiator is high and deep and relatively narrow with slightly sloping top surfaces. A winged emblem bearing the crest of Sieur de LaSalle is mounted in the triangular

The new LaSalle emblem shown at top right is taken from the old LaSalle coat of arms. The models shown from top to bottom in order are the four pass. victoria, the convertible coupe; the five pass. sedan and the five pass. phaeton

panel at the top front surface. The appearance of depth is amplified by continuing the black enamel appearance of the thermostatic shutters over a great part of the bottom tank of the radiator.

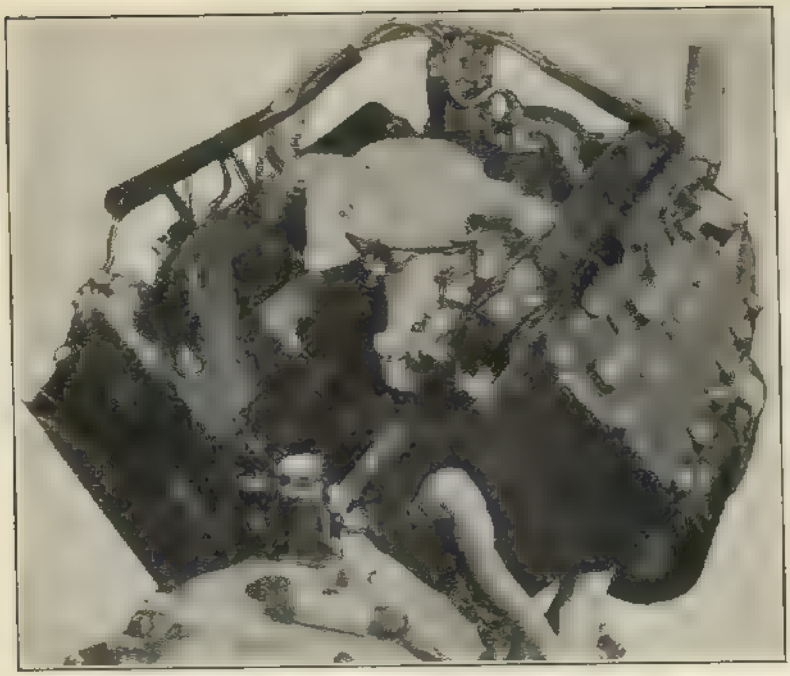
Headlamps are mounted on individual stanchions while the cross brace, which also extends to the one-piece full-crowned fenders is interrupted at the center by a LaSalle monogram. At the rear is mounted a combined stop and tail lamp. Both open bodies are fitted with two cowl ventilators which are arranged symmetrically at each side of a conservative arrowhead panel which begins at the top of the hood and blends into the windshield base and belt molding. Three

There are some things attaching to Cadillac representation which have a great value apart from financial advantage: One is a very real pride in enterprise, which reflects the high character that is Cadillac. Another is the vast confidence which comes with the certain knowledge of Cadillac superiority. Combined, these afford freedom from ordinary competitive difficulties that is rare in the selling of automobiles.

CADILLAC MOTOR CAR COMPANY
Detroit, Michigan - - Oshawa, Canada
Division of General Motors Corporation

New 90 *Degree*

C A D I L L A C



LaSalle engine with ribbed cylinder heads. The flexible tubing at rear of right block is part of the crankcase ventilating system

standard color schemes including two-tone handling of shades of red, blue and green are optional. The darkest shade is applied to the hood and cowl and extends along the cheat line at the bottom of the body. A dark effect which blends with the Fabrikoid tops is used at the pillars while reveals of light shades surround all windows.

Metal instrument boards are set off by walnut panels, while all instruments are grouped at the center in a die cast aluminum panel equipped with two indirect lights. Included are speedometer, clock, oil pressure gage, gasoline gage and a remote engine heat gage graduated in deg. Fahr. This panel also mounts the carburetor starting control button which is located symmetrically with a similar button for the ignition switch. No lock is used for the ignition but locks are fitted at the doors and at the gear box. Supplementary manual control for the automatic control at the distributor head is by a decorative lever which is mounted on the instrument board immediately ahead of the steering column. At the opposite side of the board is an electric cigar lighter.

All lights including the twin beam arrangement and auxiliary parking lamps in the headlights are controlled by a lever located below the horn button at the head of the steering column.

Tires are 32 x 6 on a 20 in. base. Semi-elliptic springs are used all around and Watson Stabilators are standard equipment. All springs are 2 in. wide while the front springs are 39 in. long and the rear, 58 in. While the front spring suspension is conventional, the rear employs the tension shackles which are characteristic Cadillac practice. As the torque and propulsion are taken through a torque tube equipped with a ball joint engaging with a spherical seat at the back of the gear box, rear springs are shackled at both ends. At the front of these springs, pin type shackles are used, while at the rear, a hardened ball forms the point of attachment between the shackle and the frame.

With the exception of the torque tube arrangement at the rear, axle and brake practice follows present Cadillac practice very closely. The rear axle is three-quarter floating in a built-up steel banjo housing. Ball bearings including a double-row bearing carrying the thrust are used on the pinion shaft while the differential is mounted in taper roller bearings. The standard gear ratio for the spiral bevel driving gears is 4.54 to 1. Ball bearings also are fitted at the axle ends.

Typical Cadillac Brakes

Outside of a reduction of diameter to 14 in., the brakes are typically Cadillac. At the rear equalized contracting bands are foot-operated while internal shoes actuated by an entirely separate system are the emergency brakes. Braking force is equalized between the front and rear. Front brakes are the toggle operated internal band type which are equalized with each other for straightaway operation but compensated for turns.

Although a deep drop is employed at the I-beam front axle, the ground clearance, which is minimum at this point, is 8¾ in. Reversed Elliott construction is used at the axle ends with the king pins slightly inclined and equipped with ball thrust bearings. Front wheels are mounted on ball bearings. Controlled by a worm and sector steering

gear with a ratio of 17.5 to 1, the turning radius is 20 ft.

An offset type of frame, 29 in. wide at the front and 37½ in. wide at the rear, is 6⅜ in. deep at the middle section and tapers toward each end. Wide flanges are used and the frame stock is 5/32 in. thick. An unusual feature is the reinforcement of ⅛ in. thickness which is incorporated in the front end of each side channel. It is stated the reinforcement of this nature is one of the important factors in the elimination of shimmy.

Seven Cross Members

Altogether, seven cross members tie the two side channels together. A tubular member is fitted at each end of the frame. An intermediate inverted channel is located just back of the gear box and another is placed at the front anchorage of the rear springs. A formed channel is located under the radiator and supports that member and the front ball mounting of the engine. Another channel is placed at the back end of the body adjacent to the 20-gal. gas tank. The seventh cross member is formed by the bell housing feet at the rear of the engine. All channel cross members are gusseted for additional rigidity.

While the engine has all earmarks of Cadillac design, close inspection reveals several pronounced changes from the practice for the larger unit, chief of which are the offset cylinders, location of the starting motor on the lower back of the bell housing, different manifolding, installation of a new vacuum booster pump in the fuel system and slightly different head construction. Characteristic details retained are the four-throw, three-bearing compensated crankshaft, crankcase ventilating system, two-chain arrangement at the front of the engine, and belt-driven fan. A striking feature of the new engine is the wide use of aluminum alloy.

With eight cylinders of 3⅛ in. bore and a stroke of 4 15/16 in., the displacement is 303 cu. in. and the output exceeds 75 hp. at relatively moderate speed. Due to the elimination of the articulated rod arrangement which is standard in the larger engine, the right block is set 1⅝ in. ahead of the left. Assigning odd cylinder numbers to the right side of the engine and even to the left, the firing order is 1-2-7-8-4-5-6-3.

Crankshaft Bearings 2⅛ In.

All crankshaft bearings are 2⅛ in. diameter. Chadwick interchangeable bronze-back, babbitt-lined split bushings which are held in forged copper aluminum alloy caps, range in length from front to rear as follows: 1., 15/16 in., 1⅝ in. with the thrust taken at the rear bearing. As the cast-in lower rod bearings are 1⅝ in. wide and arranged side by side on one throw, the length of the connecting rod bearing on the crankshaft is 2¾ in. The design of the shaft follows that of its larger predecessor very closely. The connecting rod throws are drilled out to 1¾ in. for full length in order to lighten the shaft assembly. Turned copper aluminum shells which incorporate the oil passages are inserted in these holes to complete the assembly. As formerly, the counterweights are bolted on.

Connecting rods are 10 in. long between centers and mount burnished piston pins of ¾ in. diameter in bronze bushings at the upper end. The heads of the rod are turned and the faces of the shank are ground to equalize weight distribution. Lightweight full skirt nickel iron pistons carry three rings above the pin, the lower being a double slotted scraper type in a drilled groove. The detachable cylinder head incorporates the combustion spaces which are designed for high compression and high turbulence. An unusual feature is the use of several small longitudinal cooling fins on the top of each cylinder head casting.

Four-Bearing Camshaft

The camshaft is mounted directly over the crankshaft in four bearings. Three are inserted bronze bushings while the front bearing is in a bolted-in copper aluminum casting which carries the end thrust. Sixteen cams provide individual operation for each valve. Camshaft drive is by a heavy silent chain from the front of two sprockets on the forward end of the crankshaft. As an unusually heavy chain is used, no adjustment is provided in the camshaft drive. At the front the camshaft carries a large pressed steel pulley which drives the six-bladed 20-in. Automotive fan through a V-belt. This fan which includes a plain cast-iron bearing running on a hard shaft with high pressure lubrication by a built-in gear pump is mounted in a slotted bracket arrangement which provides adjustment for belt wear.

Roller type lifters are grouped is assemblies of four in copper aluminum brackets which bolt to the surfaces inclined at 45 deg. to which the cylinders are bolted. The barrel portion of the lifters is light tubular section and the rolls are aligned by projections which engage with slots near the top of the bracket. These projections are located just below the adjusting and clamp screws.

Valves have a clear opening diameter of 1⅛ in. Tungsten and silico-chrome steels are used for the intake and exhaust valves, respectively. Siamesed ports are located at the intake valves while the exhaust ports are individual. Separate intake and exhaust

manifolds are used with exhaust at the front where a header connects both manifolds to the exhaust pipe. A cross manifold which joins the two longitudinal intake manifolds incorporates an exhaust heated chamber. This chamber is connected by slip connections to each of the exhaust manifolds in a manner which allows the entrance of the most heat at relatively low speeds. The vertical carburetor is similar to that used on Cadillac and incorporates thermostatic elements which proportion the mixture according to temperature. Located at the back of the frame, the capacity of the gasoline tank is 20 gal.

While fuel is fed from a vacuum tank on the dash, a vacuum booster pump in the vee near the back of the crankcase assures adequate fuel flow at full throttle opening. This pump is driven by a small eccentric strap from the camshaft. The pump is in a shunt arrangement with the line connecting the intake manifold and top of the vacuum tank. A one-way check valve is placed in the primary or usual line so that the vacuum pump cannot draw from the intake manifold but merely reduces the operating pressure in the vacuum tank to the desired degree during full throttle operation.

Remy-Delco Generator

The air discharge side of the pump which relieves the load on this unit during part throttle operation is connected to the interior of the crankcase.

The regular Cadillac crankcase ventilating system is included in the new design.

A separate silent chain driven by the rear crankshaft sprocket and extending horizontally to the right provides the drive for the generator and water pump. The latter unit is located on the front of an aluminum housing and driven through a flexible coupling from the generator drive sprocket. Both water pump and generator are locked together by a strap which permits them to be swung simultaneously for chain adjustment. The generator is Remy-Delco two-pole type with third brush regulation and is located on the back of the same extension housing which carries the water pump.

A vertical shaft, driven by spiral gears located near the front of the camshaft supplies the distributor drive. This unit made by Delco is mounted on a bracket which extends well up the vee formed by the cylinder blocks. Two breaker arms and a four-lobed cam insure operation at high speeds.

Copper aluminum alloy again is used for the oil pump housing. This unit of the gear type is bolted to the lower side of the front main bearing cap and driven by a vertical shaft which connects with the distributor shaft. A copper tube manifold connects the pump to each of the two rear main bearings while connection to the front is established at the joint between the pump housing and bearing cap. Full pressure is supplied to all main camshaft and lower rod bearings. An AC oil filter is part of the lubrication system. Normal oil capacity of the pan is 8 qts.

The cooling system has a capacity of five gallons. The water pump is located at the right side of the engine, the radiator outlet is at the left side and a rather long hose connection is used to facilitate service work and simplify connections. The pump outlet swings down under the generator and connects to a branch at the midpoint of the right block. On the discharge side of this branch, one leg connects to the right block while the other joins a passage cored across the crankcase for the supply to the left block. Temperature control is obtained by the characteristic shutters at the front of the radiator. A thermostat actuated by the heat at the top tank operates these shutters.

A multiple disk clutch connects the engine and gearbox. Six driven and five driving disks are carbon steel with the latter faced on both sides with asbestos friction material of 7⅞ in. diameter. Driving disks engage the flywheel through the medium of gear teeth while the driven disks contact with six rectangular splines on the forged clutch hub. The gearbox is conventional in every respect with center control of three speeds and reverse. Gear reductions at this point are as follows:

First speed—3.13 to 1	Third—Direct
Second—1.7 to 1	Reverse—3.75 to 1

Operating Noises at a Minimum

Gears are ground and chamfered so that operating noise is reduced to the minimum. In both crankcase and gearbox design, considerable study has been devoted to antiresonant characteristics. The rear end of the upper shaft assembly carries the speedometer drive gear and back of that unit a universal joint which is inclosed in the spherical housing in which the front end of the torque tube is centered. The gearbox is somewhat more compact than that installed in Cadillac.

An overrunning clutch and positive foot actuation control the starting motor which is placed alongside the gearbox and mounted in the back of the clutch housing.

An Exide 100 am. hr. storage battery is mounted in a pressed steel bracket under the right side of the driver's seat while the space at the left forms the tool box. When fender wells are not utilized for two wire-wheel spares, a rim type carrier is located at the rear. Lubrication of the chassis is accomplished by grease gun.

New Marmon Features High Efficiency Engine

Eight-Cylinder 116 In. Chassis, With Exceptional Riding Qualities, Built in Six Styles, Priced $1795 to $1995

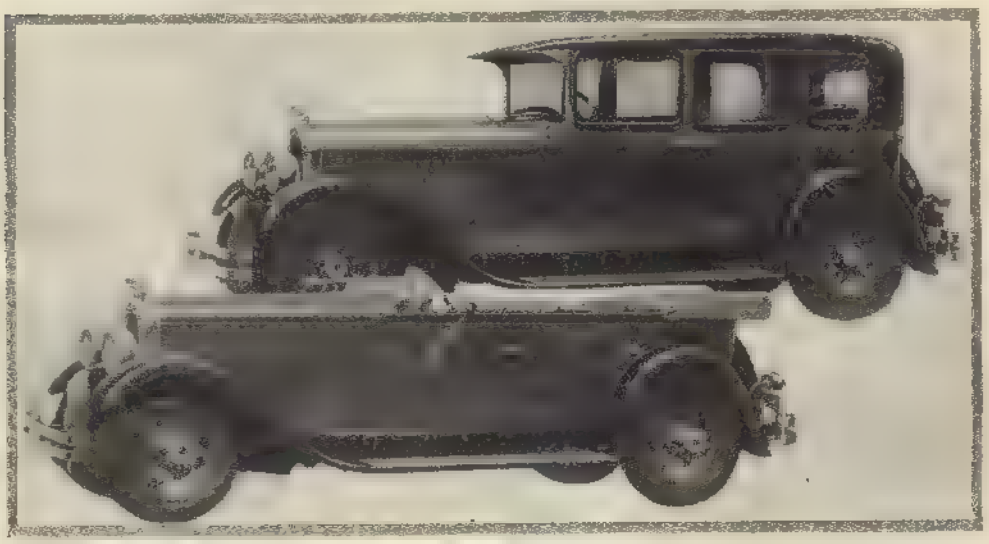
STRIKING appearance, low overall height, exceptional riding qualities and lively performance are among the notable features of the Little Marmon. Six body styles ranging in price from $1795 to $1995 and a complete line of custom bodies are offered on the standard 116 in. wheelbase chassis which is powered with a 2¾ x 4 in. overhead valve, vertical eight engine.

Although the piston displacement of the engine is but 190.1 cu. in., it develops 64 hp. which gives the car a top speed in excess of 70 m.p.h. and good high-gear hill-climbing ability and acceleration. This activity, in combination with the relatively short wheelbase and a minimum turning circle of 36 ft., gives the maneuverability required in traffic as well as high speed for open country driving.

Among the engineering features of the car of particular interest are the provision that is made to supply oil to the cylinder walls as soon as the starter pedal is depressed, a compression ratio of 5.27 to 1, hypoid rear axle reduction gears, details of the frame construction, rubber shock insulators at the springs and three-shoe, mechanical internal four-wheel brakes which function for both service and emergency purposes.

The smart appearance of the various body models is best appreciated by reference to the accompanying illustrations. Their low overall height has been obtained without sacrifice of headroom by designing the chassis to take full advantage of the lowered position of the propeller shaft with hypoid rear axle reduction gears.

The six body styles available consist of a two-door sedan at $1795; a four passenger speedster at $1965; a four-door sedan, two-passenger speedster and two-passenger coupe, all at $1895, and a collapsible coupe



Marmon eight four-door sedan which has a lowerable rear window. Note high sides of the four-passenger speedster body below

27th in 1924

18th in 1925

9th in 1926

4th in 1927

All Chrysler models—"50", "60", "70" and Imperial "80" —will be exhibited at the National Automobile Shows; at the annual special model display at the Commodore Hotel, during the New York Show, January 8-15, and at the Balloon Room of the Congress Hotel during the Chicago Show, January 29-February 5. We issue a cordial invitation to you to visit these Chrysler exhibits.

CHRYSLER SALES CORPORATION, DETROIT, MICHIGAN
CHRYSLER CORPORATION OF CANADA, LIMITED, WINDSOR, ONTARIO

CHRY

"50 ~ 60 ~ 70 ~ IMPERIAL 80"

Chrysler *now* 4th

Celebrating the Most Significant Record in Motor Car History

Chrysler is in *fourth place* at the 1927 National Shows, where rankings are determined by the sales volume of the preceding year.

In three years, public preference has enabled Chrysler to overtake and pass in volume of sales 23 other manufacturers.

This stupendous honor gained only three years after its debut, comes as the result of a production and sales gain of from 32,000 Chrysler cars in 1924 to the astounding total in 1926 of 170,414 Chrysler cars—"50", "60", "70" and Imperial "80".

The fifty million dollar sales record of Chrysler's first year has grown into a staggering volume of $249,194,940 paid for Chrysler products in the past twelve months.

To thinking car dealers this throws into bold relief the competitive pace Chrysler is setting.

It confirms the far-seeing judgment of the many men of national reputation in the automotive industry who have eagerly sought a Chrysler franchise and are making money with it today.

It heralds the Chrysler line of four models of Chrysler Standardized Quality with 36 body styles, priced from $750 to $3595 as undeniable leaders in the four great quality car markets.

Finally, it demonstrates the futility of fighting Chrysler's success with any lesser car or combination of cars—but rather, the wisdom of sharing in its present and future money-making potentialities.

If you still would grasp this opportunity while it is yet available—write or wire for further details. Your inquiry will be kept in strictest confidence.

S L E R

CHRYSLER MODEL NUMBERS MEAN MILES PER HOUR

Left side Marmon eight engine, showing the triangular belt drive and accessibly mounted distributor. The torsional damper is inclosed within the chain case

roadster at $1995. The last three models mentioned have rumble seats which are operated by a lever in the driver's compartment. In the two and four-door sedans, the rear window may be lowered for ventilation.

Two-tone lacquer finishes are applied to the exteriors of all models. In the closed models the upholstery is Laidlaw broadcloth and in the open cars, leather. Instrument board, cowl panel and garnish moldings are finished in walnut, while the hardware is in nickel and Butler silver.

Returning to the chassis, the engine is assembled with the clutch and transmission in a unit power plant which is supported at four points. To provide straight line drive to the rear axle, the powerplant is installed at a slight angle to the horizontal.

Contributing to the smoothness of the engine are a stiff, five-bearing crankshaft fitted with vibration damper at its forward end and light alloy pistons. The main journals are all 2⅜ in. in diameter and the bronze-back, babbitt-lined bearings which support them have the following lengths: No. 1, 1 17/32 in.; Nos. 2 and 4, 1 1 32 in.; No. 3, 1 25/32 in. and No. 5, 1 15/32 in. The vibration damper is located inside of the timing cover where it is completely protected

Steel connecting rods weighing 28 oz. complete with cap and bushing and with a center to center length of 7¾ in., are employed. The big end bearings are babbitted direct to the steel and are 2⅛ in. in diameter by 1¼ in. long. At the upper end a bronze bushing carries the full-floating, 47/64 in. piston pin, which has its bearing directly in the bosses and is retained by snap rings.

The pistons are of aluminum alloy and weigh 11 oz. each. They incorporate the invar strut construction and are fitted with .001 in. clearance at the skirt. The piston length is 3¼ in. with the center of the pin 1 15/16 in. from the top of the head. There are three rings, all located above the pin, the lowest being an oil control of 3/16-in. width. The two upper ones are ⅛ in. wide.

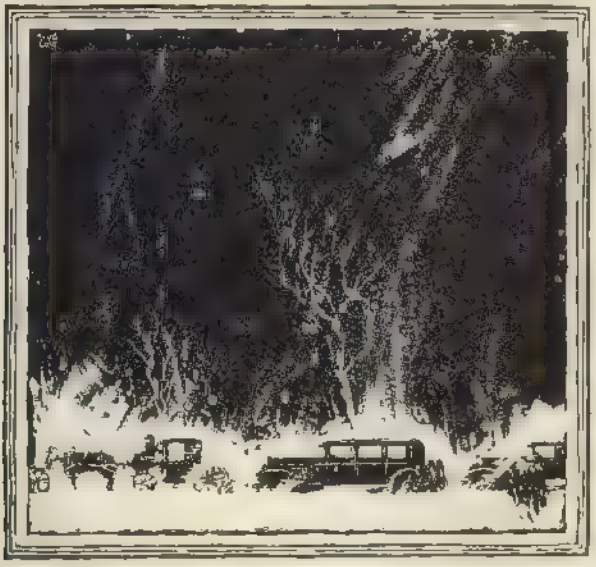
A silent chain, 24 in. long by 1¼ in. wide with 64 links, drives the camshaft which is supported in five bronze-back, babbitt-lined bearings. The valves are operated through mushroom tappets, assembled in two groups of eight, in the conventional manner. There are two rocker shafts, both being drilled axially for lubrication and the ducts thus formed are connected through the two central rocker shaft pedestals by a length of tubing.

The valves operate in pressed-in guides. The inlet is of the tulip type and is made of chrome-nickel steel. It has a nominal diameter of 1 3/16 in. and a lift of 21/64 in. Silchrome exhaust valves of 1 in. diameter are employed, the lift being the same as for the inlet. The firing order is 1-6-2-5-8-3-7-4 and the valve timing as follows: Inlet opens, 6 deg. B.T.C.; inlet closes, 40 deg. A.B.C.; exhaust opens, 40 deg. B.B.C.; exhaust closes, 6 deg. A.T.C.

Both the generator and the fan are driven by a V-belt from the forward end of the crankshaft. The fan hub and pulley are integral and are supported on two ball bearings.

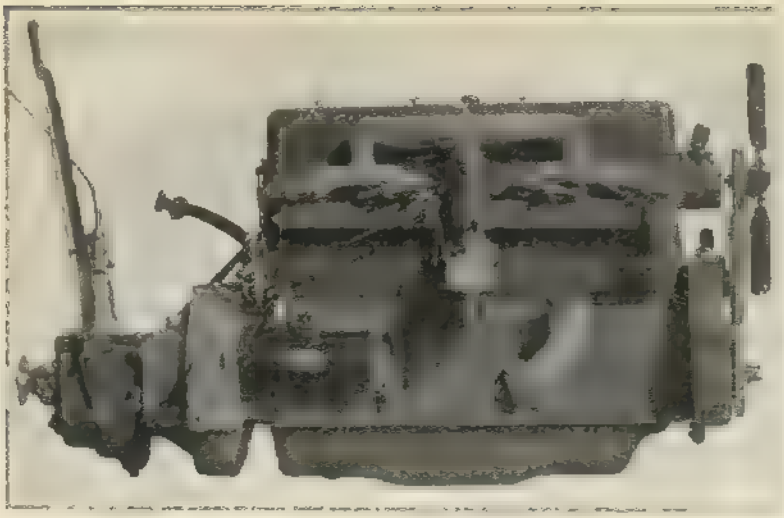
The starter pedal is mounted on a transverse shaft which operates the mechanical starter shift at its right end and a valve in the external oil line to the rocker shaft at its left end. This latter action is accomplished by means of a pin at the left end of the shaft which operates a lever which in

ONE OF THE IMPRESSIVE FACTS IN THE AUTOMOBILE INDUSTRY TODAY IS THE LEADERSHIP, IN PRACTICALLY EVERY PRICE CLASS, OF CARS EQUIPPED WITH BODY BY FISHER



FISHER BODIES

GENERAL MOTORS



Right side Marmon engine, showing down sweep type of inlet manifold. The auxiliary piston oiling mechanism is controlled by an arrangement of rods connected to the starter pedal cross shaft as shown

turn opens a valve. Opening this valve connects the oil pump to a duct milled on the inner surface of the valve tappet bracket. Holes near the bottom of each cylinder lead from this duct to the cylinder walls. In this way the possibility of damage to the cylinder bores through lack of lubrication when the engine is started in cold weather is avoided and, at the same time, there is no over lubrication, the additional oil being provided only while the starter is in operation.

Oil is drained from the crankcase by means of a poppet valve operated by a plunger from above. An oil filter is located on the dash.

Starter, generator, coil and distributor are all of Delco-Remy make. The distributor is of the double contact, four-point cam type and provides 20 deg. of manual and 25 deg. of automatic advance. The battery is a six-volt Prest-O-Lite.

Fuel is supplied to the Wheeler-Schebler 1¼-in. carburetor by a Stewart vacuum tank from a 12-gal. tank at the rear.

Power is transmitted to the semi-floating rear axle through a single plate clutch and three-speed transmission and propeller shaft with oil-tight universals at each end. The clutch shaft is piloted in a roller bearing at its forward end and is mounted in a ball bearing at the rear. The throwout bearing is also an annular ball. The transmission ratios are 3.07, 1.76 direct, and 4.02 in reverse. The main shaft in this unit is carried in ball bearings while the countershaft gears are bushed.

The hypoid reduction gears in the rear axle may be had with ratios of 4.7 or 5.1 to 1. Ball bearings are used at the pinion shaft and differential. The front axle is of I-beam section with reverse Elliott ends. A Ross cam and lever steering gear with 17-in. diameter wheel is employed.

All four brake drums are 12 in. in diameter and 2 in. wide. As mentioned previously, the one set of brakes functions for both service and emergency use. The linkages, however, are so designed that if the brake on one wheel does not operate, the other three will continue to function with normal efficiency.

Semi-elliptic springs mounted in rubber shock insulators are used front and rear. The respective lengths are 38 and 56 in. and the widths 1¾ in. Chrome vanadium steel is employed in the master leaves, the others being of carbon steel.

The frame has a number of interesting features. One is the cross member at the rear of the transmission through which the propeller shaft passes and another is the mounting of the front tubular member. The supports for this tube are integral with the housing for the rubber insulators. The frame is a straight tapered design with a kick up over the rear axle and arched at the front to provide additional vertical clearance for the front axle. The side rails are of channel section, pressed from ⅛ in. stock, and have a depth of 6 in. Wood wheels fitted with 29 x 5.25-in. four-ply tires are regular equipment.

Equipment furnished on all models includes automatic windshield cleaner, dash type cooling system thermometer, electrically-operated dash gasoline gage, front bumper, fender guards, rear traffic signal, cowl lights, double filament headlamps with control on steering wheel, transmission and tire locks, door locks on closed cars, four Lovejoy hydraulic shock absorbers, electric clock, cigar lighter, Fedco numbering system and two-part rear view mirror.

Ready for 1928

New Colors • Greater Luxury Finer Performance in the • • • Willys-Knight • • •

With rich, new color harmonies, beautiful and luxurious interiors, and a new degree of lively pickup and smooth, surging power, the Willys-Knight line anticipates the higher standards of 1928.

The patented Knight sleeve-valve engine is the only great advance in motor construction which is exclusively controlled by one organization. It affords the live dealer a powerful advantage over competition. The Willys-Knight line includes two brilliant Sixes, the "70" and Great Six, ranging from $1295 to $2695. It assures big profits in this price field, now and for years to come.

The Perfected Whippet Forecasts the Trend for the Year Ahead

Every recent new car announcement serves to emphasize the Whippet's leadership in engineering design. In this remarkable car are to be found the leading features that will characterize all light cars of the future.

It is important to remember, however, that steady refinement and improvement of the Whippet go on, while other manufacturers endeavor to cut down the Whippet's tremendous lead.

Whippet dealers occupy an enviable position for 1928. They have a car *of proved superiority* in the biggest price class. The Whippet and Whippet Six range from $625 to $925.

Write for particulars today. Sales Department, Willys-Overland, Inc., Toledo, Ohio. Willys-Overland Sales Co., Ltd., Toronto, Canada.

WILLYS-KNIGHT
Whippet

FINE MOTOR CARS

An advertisement directed to the dealer in small territories

Are the $2500-$3000 Car Buyers Going to Your Competitor?

RETAINING present owners on his lists is one of the most pressing problems of the automobile dealer in small territories. Especially where the car handled is low-priced. Owners are constantly "growing up" financially—passing on to higher-priced makes. Some one else profits.

More and more, progressive small dealers are meeting this situation in the only way it can be met: by extending their line to keep pace with their owners. What are *you* doing to round out *your* line?

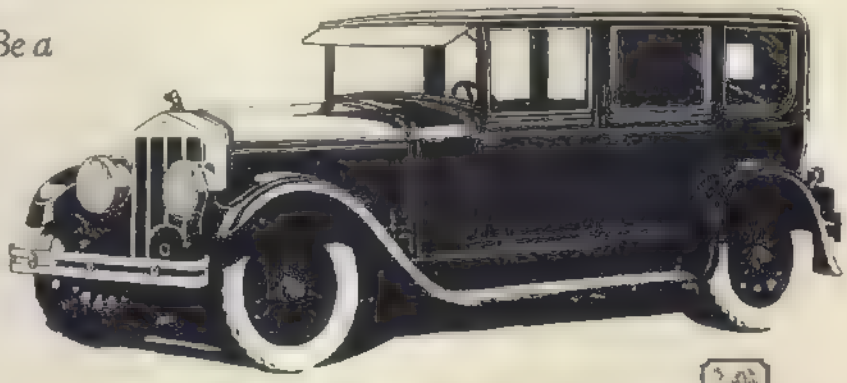
Dividing the motor car field into $500 units, one peculiarity stands out. And that is this: in the class between $2500 and $3000—logically the best-selling section of the fine car field—there are *fewer competitors than in any other.* More than that, Franklin has long been one of its three sales leaders. And only Franklin *completely covers* the field.

In general, you know the fine reputation and sound financial standing of the Franklin Company—the popularity of the new de Causse-styled models, especially at the new prices—the unusual number of dealers who have handled Franklins for many successive years without a break—the high proportion of repeat sales that Franklin enjoys.

Interesting information about this modern dealer trend toward a well-rounded line will be sent you on request.

FRANKLIN AUTOMOBILE COMPANY
SYRACUSE, N. Y.

There Should Be a Fine Car in YOUR Line



FRANKLIN

Air Cooled

Buick Generator May Have Slipping Clutch

Editor, Automobile Trade Journal:

Would like to ask you for some information on a Buick generator which is giving me trouble. When the motor is idling the generator works good and charges 10 amp but when you speed up the motor it will turn loose and show a discharge of about 20 amp. I have set up the brushes and increased the spring tension. That helped some but it still does the same thing, but not so badly. The wiring is all in good shape and the brushes are good. This make of car has a Delco system and is a 1923 model car. Do yo uthink that it is possible that the clutch is worn out or do you think that the brush springs are weak? I was not able to find new brush springs so I just set the old ones up as well as I could. This helped but did not help it entirely. Please advise me what to do.—W. R. Cupp, Maryville, Tenn.

It is possible that you have the ammeter wires reversed on this car which, in connection with the system of wiring which does not incorporate a cut-out, would give you conditions outlined. We would suggest that you turn on the lights with the engine stationary, that is not running, and note whether or not the ammeter hand moves over to the discharge side. If it does it indicates that the ammeter is correctly wired. If it does not it will be necessary to reverse the wires or remagnetize the meter so as to give the opposite polarity. Would also suggest that you operate the engine at a speed approximating 900 r.p.m. and then note whether the armature of the motor generator is turning at approximately the same speed as the drive shaft which incorporates the clutch. If there seems to be a difference in speed, chances are that the trouble is due to the clutch slipping which would account for the discharge. The brush pressure may be incorrect so it will be advisable to hold down on the brushes to increase the spring tension and then note whether or not the output increases. If so, this will indicate either weak springs or an eccentric commutator.

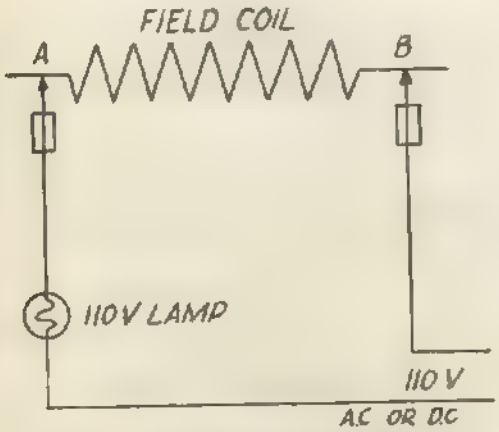


Fig. 55—Testing for open circuit in field coil

Would also suggest that you go over all connections carefully for a ground which may show up only when the engine is turning at a fairly high rate of revolutions.

2 I have a 1925 model Star that the generator won't work. I have overhauled it and installed brushers and wire but it will not show a discharge over 2 amps. It will charge that amount all right but that is all. The ammeter is all OK.—W. R. Cupp, Maryville, Tenn.

We would suggest this generator be removed and tested on a good test bench.

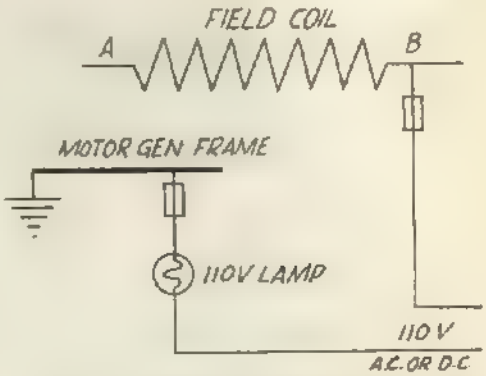


Fig. 56—Test for grounded field coil

The first test is to determine whether or not the unit is defective and consists in connecting the generator terminals to a six-volt storage battery and note the shunting or motoring operation. If the armature rotates slowly and with an even torque it is safe to assume that the generating qualities of the unit are good. If the armature does not rotate steadily or if no rotation occurs, or if a rapid turning of the armature takes place, there is some trouble either in the armature or field coils. Further tests should then be carried out with test points and lamp or a growler.

Test for Open Circuit

To test for open circuit in the field coils use the test points as shown in Fig. 55, by placing one point on each terminal of the particular winding to be tested. If the lamp fails to light it shows the coil is open circuited. If the coil is open circuited it will be necessary to have it repaired or replaced.

To test for grounds place one test point on the frame of the generator and the other one on the terminal of the field coils. If the lamp lights it will indicate a ground. This test is illustrated at Fig. 56. Providing the fields test O.K. we would suggest that you remove the armature and have it tested on a growler for shorts or opens. This will be the quickest and most accurate method. We would also refer you to page 55 of the February, 1926, issue of the AUTOMOBILE TRADE JOURNAL, which gives trouble shooting directions on starters and generators.

Dodge Brothers Officially Announce a New Chassis Model

DODGE BROTHERS, INC., will introduce a supplementary line of higher priced cars about July 1, E. G. Wilmer, president, announced to dealers at the company's annual convention. Mr. Wilmer did not divulge the type of engine or any specifications of the new car but said it would be in production in several months.

Under plans of the company it is understood that the present line will continue to be the main production effort, with the new car made in somewhat smaller volume. The lines will be handled jointly by Dodge Brothers dealers, who, Mr. Wilmer said, have been requesting the factory for a companion line which would embody all the fundamental features which have made possible the success of the present type.

Additional improvements on the Dodge Brothers cars over those announced recently were found on the models exhibited at the New York show

In place of the multiple disk clutch previously used, a single plate unit is now adopted. It is provided with a three-bolt form of adjustment and a special type of push operated throw-out bearing, the latter being oiled from a special fitting conveniently located on the floor board.

With the adoption of a new method of supporting the rear of the engine, the clutch and transmission can now be removed without disturbing the rear engine supports. Formerly, pressed steel rear engine supports were used, whereas on the latest cars cast-iron arms formed integral with the bell housing are now employed. The ends of these arms are bolted to plates riveted to the chassis side rails.

Six splined ends are now used at the front end of the propeller shaft and at the inner ends of the two axle shafts in place of the square shanks formerly employed. This design is said to give less backlash than the previous squared type. In addition to the adoption of a new type muffler, the steering spindles are now provided with ball thrust bearings to make for easier steering. On the standard sedan a soft top type of roof construction has been adopted wherein the sun visor is now formed integral with the roof and curved over the windshield. With this new style of construction the sedan is said to have been lowered about two inches in height with a consequent improvement in appearance.

Improvements Made on Star Six

A NUMBER of detail refinements giving improved appearance, comfort and convenience have been made by Durant Motors, Inc., in its line of Star Six bodies and a self-adjusting spring shackle has been adopted. The Star Four line is continued without change.

Among the improvements in the Star Six is a new walnut finished, steel instrument board with the instruments attractively grouped in a panel under a single glass. This panel is indirectly lighted by a bulb which is controlled by the main lighting switch. The steering wheel now has a walnut rim with walnut finished spider while the spark and throttle levers have been moved to the top of the column and are of the wing type. In the closed models, remote type door handles have been adopted and they serve also as pull-to's. In addition, they operate the door locks by moving them upward. Bullet type head and cowl lamps are standard on all models. The cowl rail is finished in walnut as are the door panels on the de luxe models. All closed bodies have carpet mats with rubber heel pads in the front compartment. Seats, doors and ceilings are finished in two-tone velour.

The six-cylinder landau and sedan have pockets in the rear doors, and robe and foot rails. The former model and the sport coupe also have walnut finish garnish rails, onyx balls on gearshift lever and nickeled hand brake lever handle. The landau also is fitted with vanity and smoking sets. The sport roadster and sport coupe have rumble seats finished in Spanish leather, aluminum steps, luggage rails, and a lowerable rear window in the coupe. The sport roadster is lacquered in gray green below the belt and apple green above while the landau is finished entirely in dark gray except for the black fenders and aprons.

Elcar Announces New Lower Priced Eight

TWO eights and a six make up the Elcar line for 1927. One of the eights, the 8-82, is an entirely new model and is smaller and lower priced than the improved 8-90 which takes the place of the former 8-81. The six is designated as the 6-70 and succeeds the model 6 65.

Included in the body models available on the 8-82 chassis are a four-door sedan at $1790; a four-passenger, two-door coupe brougham equipped with trunk at $1595; four-passenger landau convertible coupe with rumble seat at $1870 and a seven-passenger touring car.

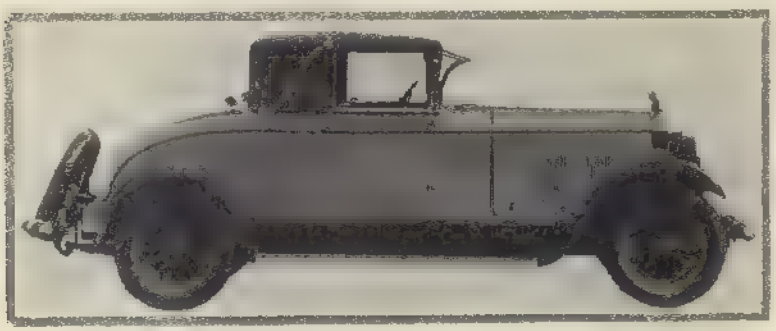
The 123-in. wheelbase chassis is powered by an eight-cylinder 2¾ by 4¾ in. Lycoming engine with a five bearing crankshaft fitted with Lanchester damper, full pressure lubrication, Swan manifold and 1¼ in. carburetor, Delco-Remy electrical equipment, oil purifier, gasoline strainer and thermostat. Oil pressure is varied automatically with the load by an interconnection with the throttle.

All main bearings are 2⅜ in. in diameter, the lengths from front to rear being 1¾ in., 1½ in., 1⅝ in., 1½ in. and 1¾ in. The three camshaft bearings are 2 in. in diameter, the front one being 1 7/32 in. long, the center one ⅞ in. long while the rear one is 1 11/16 in. long. Pistons are cast iron fitted with four ⅛ in. rings, the lower one being a Perfect Circle oil control type. Valve diameters are 1⅜ in. for the intake and the exhaust valve is 1 17/32 in. in diameter, both having a lift of 11/32 in.

The ⅞-in. diameter piston pins operate in bronze bushings, with a total bearing length of 2 9/16 in. Connecting rods are 9½-in. center to center.

The engine cylinders and the upper half of the crankcase form a single casting and the detachable head is of the turbulence type. The camshaft is chain driven while the generator and fan are operated by separate Vee belts. The power plant is supported in rubber at four points and this feature, combined with the Belflex spring shackles and the body construction, contributes much to the quietness of the car.

A Long 10-in. clutch and a Warner transmission are employed, the latter having the following ratios: Low, 3.114; second, 1.69; reverse, 3.78. Other units are Salisbury semi-floating rear axle, Lockheed external four-wheel brakes operating on 14 x 2-in. drums and Ross cam and lever steering gear. The emergency brake is on the driveshaft and operates on a drum 8 in. in diameter and 2 in. wide. Semi-elliptic springs are used front and rear, the latter taking the rear axle torque and propulsion. The front springs are 2 in. wide and 37¾ in. long, while the rear springs are made of ¼ in. wider stock and are 55⅞ in. long. The frame with channel side members of [illegible] by 5/32-in. stock has four [illegible] members and two of [illegible] equipment includes Lovejoy [illegible] shock absorbers, Bowen "One Shot" chassis lubricating system, combination tail, stop and backing light, rear view mirror, radiator ornament, Moto Meter, dash gasoline gage, twin beam headlights and automatic windshield wiper.

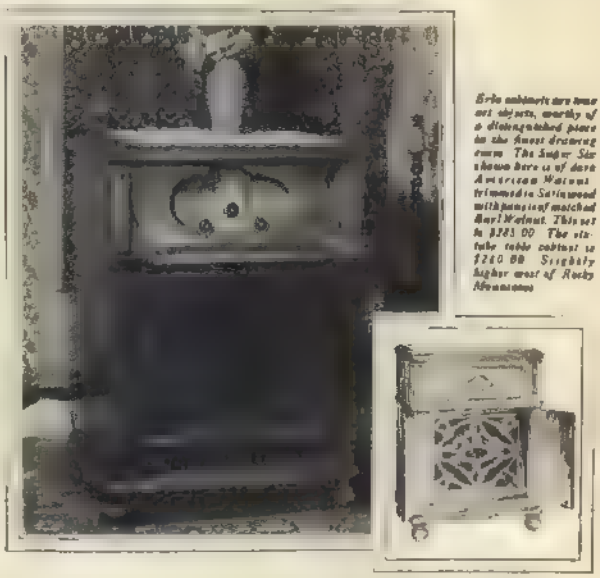


Elcar landau roadster on the new 8-82 chassis

The Outstanding Radio Line for a Profitable 1927

The ERLA SUPER-SIX [RFL] RECEIVER

The crowning achievement in radio for 1927 is the new Erla R F L Super-Six—a six-tube completely shielded receiver with true one-dial control. Reproducing units perfected to the highest limit which deliver broadcast entertainments so faithfully that all former standards of reception have been revised. Surpasses any new type phonograph in quality of reproduction and volume. To appreciate how far advanced this new receiver is over other types, we invite you to compare the Erla Super-Six with any other receiver or phonograph.



Erla cabinets are true art objects, worthy of a distinguished place in the finest drawing room. The Super Six shown here is of rare American Walnut trimmed in Satinwood with panels of matched Burl Walnut. This set is $285.00. The six-tube table cabinet is $260.00. Slightly higher west of Rocky Mountains.

OFFERS YOUR CUSTOMERS ADVANTAGES THAT ARE YEARS AHEAD

Here is your chance to "scoop" your competitors and "cash in" on this new receiver; a chance to get in on the ground floor and take out the big profits while others are getting ready to follow our lead.

The Super-Six operates on an antennae from one foot to 100 feet in length, or on a loop. In its ability to bring in distant stations, it eclipses any receiver ever made. It is super-sensitive yet simple to tune, and squeals and howls are banished forever. It is not critical. The RFL circuit has been perfected to its highest efficiency by Erla engineers and this new receiver is so easy to tune that a child can get distant stations with greatest ease.

In the reproducing elements the Erla engineers have outdistanced the entire radio field. The new Erla Omnitonic unit reproduces all tones of the musical scale. The Erla Concert Grand Audios are the most costly instruments of their kind ever used in any receiver. These in combination with a 92" air column horn will reproduce any instrument, note or harmonic that the human ear has ever heard and reproduce them with volume and faithfulness.

Here is the simplified radio that thousands have been waiting for; as easy to tune as winding a watch—a receiver that makes the novice an expert in getting distant stations. Here is a rare opportunity—a receiver that is so outstandingly superior that it makes others obsolete and opens new fields for sales development—an opportunity that will put you a year ahead of competition if you take advantage of it now.

Sign and mail the coupon and let us tell you about the most valuable sales franchise in radio. But don't put it off. The established Erla policy is to give dealers restricted territories. Only one dealer in each community will have this opportunity; so if you are interested in making more money, sign and mail the coupon for full particulars today.

YOUR OPPORTUNITY

ELECTRICAL RESEARCH LABORATORIES
Dept. J 24 Erla Building, Chicago Grove Ave. Chicago

Gentlemen: Please send me complete literature and details on your new 6 tube Model 10 Receiver with True *single* dial control.

Name _____

Firm Name _____

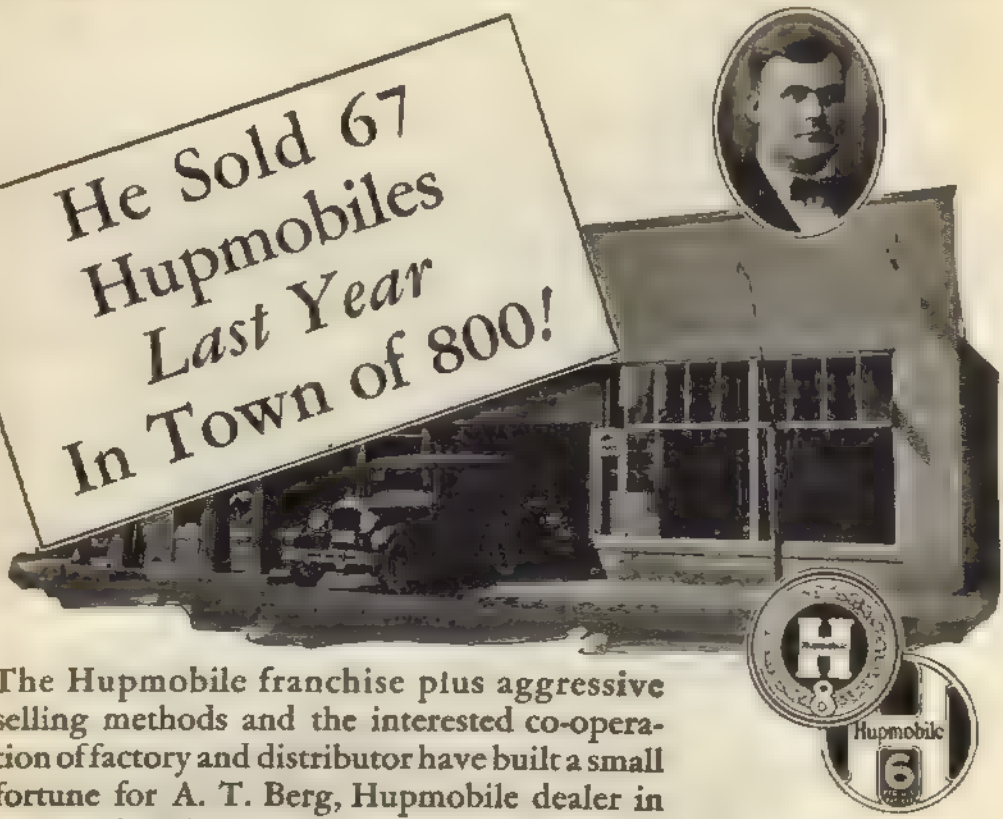
Address _____

(I understand this does not obligate me in any way)

ELECTRICAL RESEARCH LABORATORIES ERLA CHICAGO, ILLINOIS, U. S. A.

HUPMOBILE DEALERS MAKE MONEY

He Sold 67 Hupmobiles Last Year In Town of 800!



The Hupmobile franchise plus aggressive selling methods and the interested co-operation of factory and distributor have built a small fortune for A. T. Berg, Hupmobile dealer in McIntosh, Minnesota.

"When I started in business in 1922, I owed something like $15,000," writes Mr. Berg. "Today I do not owe a dime and have property and cash assets of $40,000—all made through the sale of Hupmobiles."

Mr. Berg owes his success both to the splendid reputation of Hupmobile in his territory and to the intensive selling campaigns he has carried out in the town of McIntosh and nearby communities. How well Hupmobile stands in his district is shown by his record of 45% repeat sales to former Hupmobile owners.

"Hupmobile is the best car I have ever sold, and the Hupmobile contract is the fairest I have ever worked under. Your co-operation has been 100% at all times."

August T. Berg,
Prop., City Garage,
McIntosh, Minn.

Alike in big cities and rural communities, the Hupmobile contract has proved a source of profit to enterprising business men. We will gladly forward full details of the Hupmobile selling plan to interested merchants, upon request.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE
EIGHTS & SIXES

THE DIXI IS ONE OF GERMANY'S TIMKEN-EQUIPPED CARS. IN THE BACKGROUND, WARTBURG CASTLE

Dixi

The sheer volume of Timken business, the universal acceptance of Timken Bearings, and broad Timken advertising are behind every Timken-equipped make of motor vehicle in this country. But what started all of it was the matchless ability of Timken Bearings to improve performance and endurance. Europe is right now repeating this history. In Germany, elsewhere on the continent, and in England, the chief sales effect of Timken Bearings comes directly from better engineering, operation, and economy. Thus the Timken name in Europe acquires its invariable meaning, and Timken Bearings are adopted more and more rapidly To supply Europe there are Timken factories in England and France.

THE TIMKEN ROLLER BEARING CO., CANTON, OHIO

Kissel Adds Light Straight Eight to Line

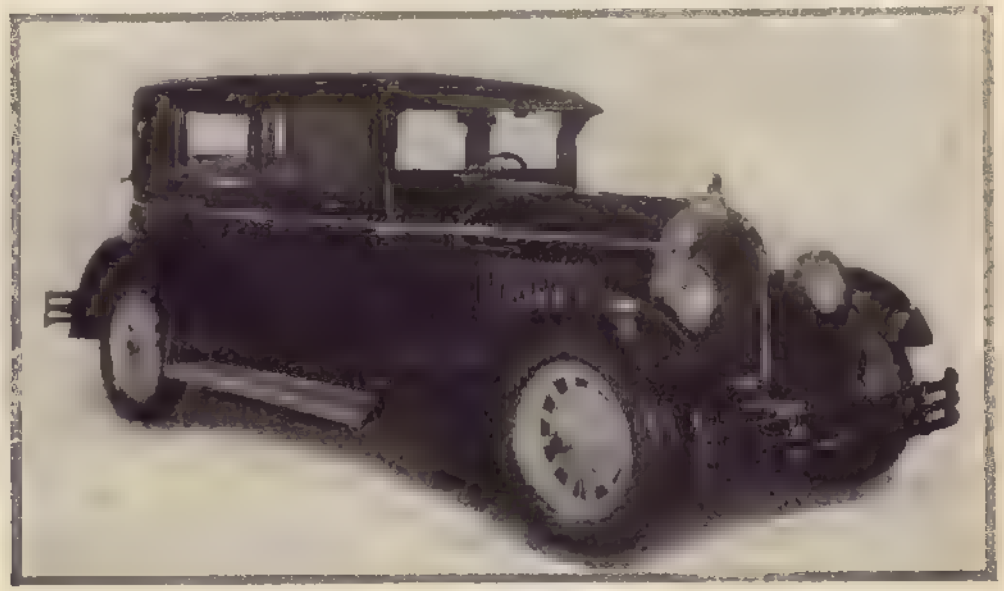
Eleven Body Models, Listing from $1895 to $2095 Complete Line

FALLING in a price class midway between its six-cylinder "55" and eight-cylinder "75" models, Kissel's new "Popular Straight Eight" the 8-65, represents a combination of features of both these chassis. While the wheelbase is one inch longer than that of the six, being 125 in., the chassis units are for the most part interchangeable with that model. The engine is a smaller edition of the model 75 powerplant, while the body models are now for the most part interchangeable with slight modifications on all three chassis.

With a bore and stroke of 2⅞ x 4¾, the engine of the new eight develops a maximum of 65 hp., the piston displacement is 247 cu. in., and the rated horsepower 26.4. As on the larger eight, Lynite split skirt three-ring pistons are used, the lower ring being of the oil control type. Connecting rods are also of Lynite, with a 2¼ in. diameter crankpin bearing. Piston pins are ⅞ in. and the 2⅛-in. crankshaft has five main bearings, with a Lanchester vibration damper fitted at the front end. The 1½-in. valves are of silicon chrome steel, the arrangement being of the L head type. The camshaft is driven by a Link-Belt chain, while a special link chain of composition material is utilized to drive the generator. As on the other Kissel models the engine is cushioned in rubber.

Transmission, clutch, universals and axles are identical with those used on the six-cylinder chassis except that the gear ratio on the new eight is 4.9 to one. Electrical units are Delco-Remy with semi-automatic spark control. Tires are 32 x 6.00 balloons mounted on 20-in. artillery wheels.

A complete tabulated list of body models and prices for 1927, which includes the elimination of a considerable number of bodies from the former line, is given on page 69 in this issue.

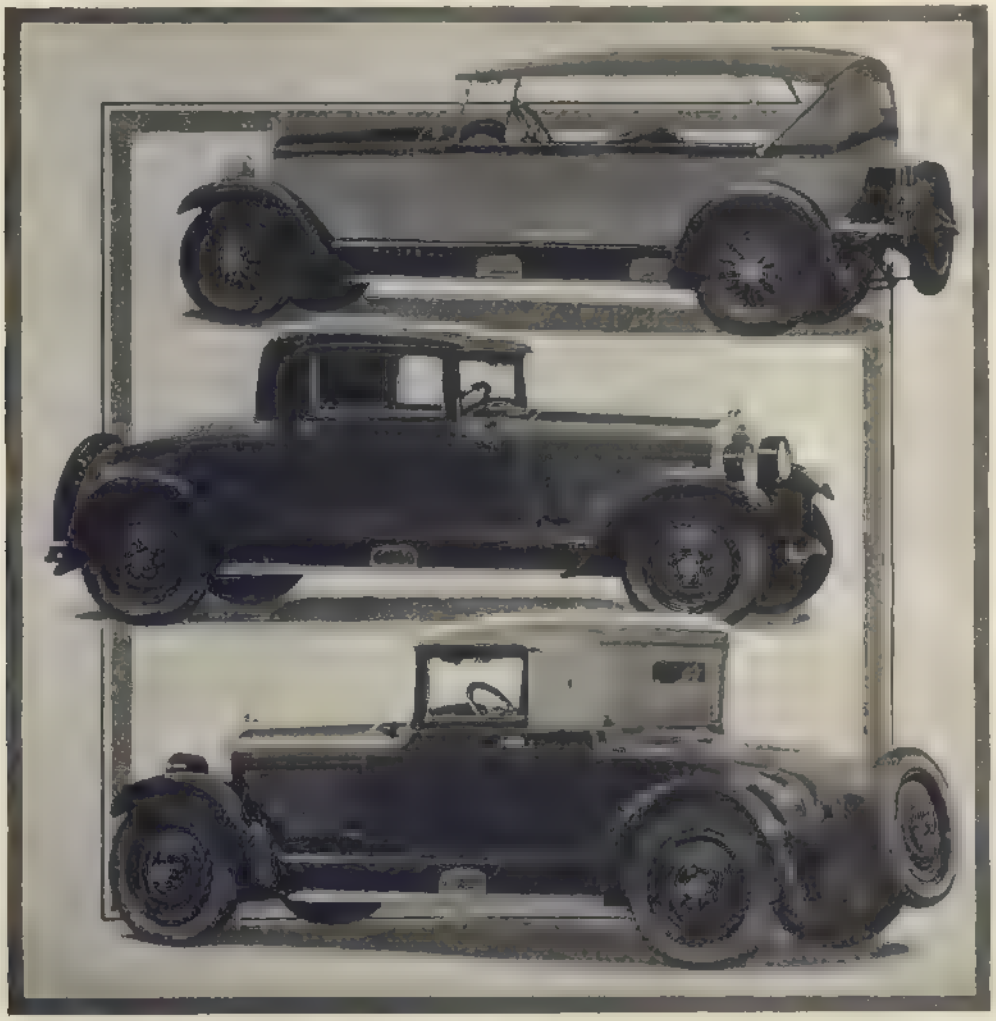


One of the closed models of the new Kissel Popular 8 line

Nash Adds Three New Body Models to Its Line

THREE new body models, including a Cabriolet on the Special Six chassis and a Coupe and a Sport Touring on the Advanced Six chassis, are announced by the Nash Motors Company.

The Special Six Cabriolet, priced at $1290 f.o.b. factory is a four-passenger convertible type of coupe. The folding top, of light colored material, may be quickly lowered and raised and is fitted with nickeled landau irons at each side. The body proper is colored a deep maroon with fenders and running gear in black. Upholstery is leather both in the driving and rumble seats. The side windows may be raised and lowered when the top is either up or down. There is a spacious compartment under the rear deck forward of the rumble seat and opening at the right side for carrying golf clubs or parcels.



At the top is the sport touring, in center is the coupe, both on the Nash Advanced Six chassis, and below the Special Six cabriolet

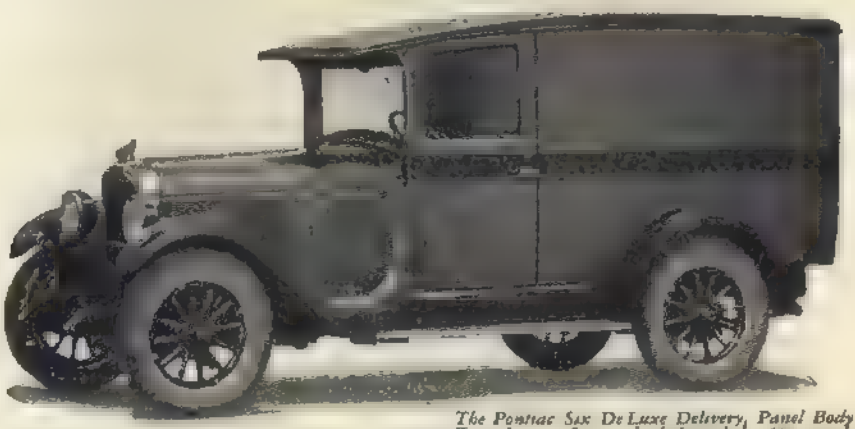
27th to 4th place

Proof of Ever Increasing Public Preference

The money-making possibilities of any automobile franchise, are in direct proportion to the responsiveness of the car-buying public. Chrysler's overwhelming sweep from 27th to 4th place in three years' time, is amazing proof of such ever-increasing preference.

CHRYSLER

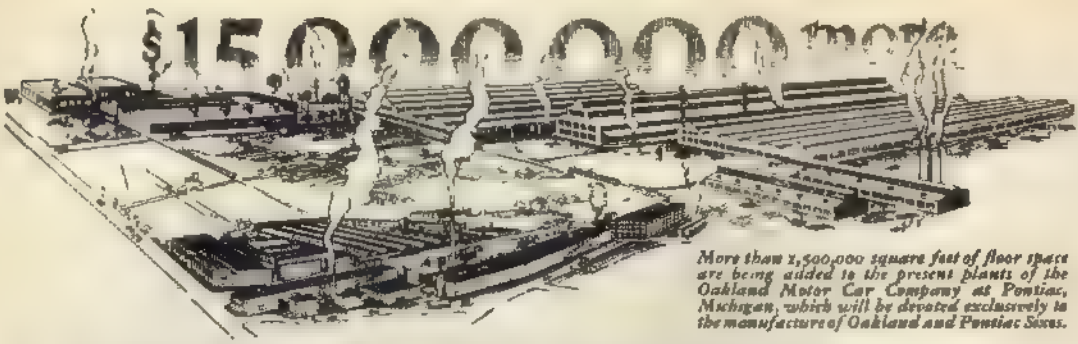
Now—another source of profit is open to *Oakland-Pontiac Dealers*



The Pontiac Six De Luxe Delivery, Panel Body Type, $770 at factory, body included. Also available in screen type, $760 at factory, body included.

INTRODUCTION of the Pontiac Six De Luxe Delivery has opened a new field for sales to the man who holds the Oakland-Pontiac Double-Profit Franchise . . . In the enthusiastic reception accorded the De Luxe Delivery, the Oakland Motor Car Company found conclusive proof that the business world has long needed and wanted dependable six-cylinder transportation at low cost. A wide variety of trade immediately accepted the Panel Body Type for their delivery service and the success of the Pontiac Six for commercial purposes was at once established. Then Oakland added the Screen Body Type, further broadening the market for its dealers . . . Both types are "keyed to traffic" by the famous Pontiac Six engine. They originate a new order of commercial car appearance with their low, rakish lines and brilliant Duco finish. Low first cost, low operating cost and low maintenance cost effect savings which good business demands. And because of these unique and exclusive qualities, the De Luxe Delivery opens a new and fertile sales field to holders of the Oakland-Pontiac Double-Profit Franchise . . . This is one more example of what Oakland does for the man who holds the Double-Profit Franchise — one more source of profit under the Oakland selling agreement. Complete plans for retail sales and aggresive national, vocational and direct-mail advertising campaigns aid Oakland dealers to make the most of this opportunity . . . Just as Oakland achieved leadership in the field of popular-priced six-cylinder passenger cars, so it is headed for a topmost position with the Pontiac Six De Luxe Delivery . . . If you are interested in this and other advantages of the Double-Profit Franchise, write for full information. Priority of application counts, so write Department B today!

OAKLAND MOTOR CAR COMPANY, PONTIAC, MICHIGAN



More than 1,500,000 square feet of floor space are being added to the present plants of the Oakland Motor Car Company at Pontiac, Michigan, which will be devoted exclusively to the manufacture of Oakland and Pontiac Sixes.

$15,000,000 more

to meet the demand for Oakland and Pontiac Sixes

SCARCELY twelve months ago Oakland was only one of many manufacturers striving for preeminence. Today it ranks among the largest builders of motor cars in the world. Responsible for this tremendous success have been a continuous series of triumphs in advanced engineering and a succession of spectacular manufacturing feats.

With the advent of the past year, came the introduction of the Pontiac Six. Wherever shown, it kindled wildfire enthusiasm. So great was the demand it created, that in six months PontiacSix production had exceeded the greatest full year record previously scored by a new make of car. And by the end of the year that record had been surpassed by more than 100%! In July came the Greater Oakland Six with 77 refinements, featured by that epochal engineering development—the Rubber-Silenced Chassis. Again America paid a wholehearted tribute to Oakland engineering vision. And again, in every section of the land, Oakland sales leaped upward.

Now, with its position securely established, Oakland-Pontiac bids for new and greater heights—

—for over fifteen millions of dollars are being invested to provide for greater production.

To dealers who are seeking a franchise that carries a more definite promise of success, this tremendous plant expansion should be the cause of immediate action. For, reduced to its simplest terms, the investment of this staggering sum not only indicates General Motors' faith in these two quality Sixes and in Oakland principles of production and distribution—

—but it stands as a $15,000,000 guarantee that Oakland-Pontiac dealers can be assured of cars to meet their retail requirements.

You know from your experience as a dealer, that a franchise—regardless of its discounts or territory—is worthless unless you can get cars to deliver during the heavy selling season.

For the past eighteen months now Oakland popularity has been swiftly sweeping higher. And the advent of the Pontiac Six a year ago shot Oakland-Pontiac production figures to record-breaking heights.

New dealers by the hundreds came beneath the Oakland banner. In all sections of the land, they began challenging the leaders for local sales supremacy. Production increased—500—600—700—800 cars a day. But that was not enough.

Now these new plants and equipment—the finest in the industry—definitely assure a capacity of 1600 cars a day, without overtime and without sacrificing the present painstaking, scrupulously inspected methods of manufacture.

This definite assurance of deliveries is only one of the many attractive features of the Oakland-Pontiac Double-Profit Franchise. Write Department B and get all the facts from the field representative who is now in your territory.

OAKLAND MOTOR CAR COMPANY
PONTIAC, MICHIGAN

Oakland and Pontiac Sixes on Display at Principal Automobile Shows

OAKLAND-PONTIAC

PRODUCTS OF GENERAL MOTORS

Sixes

Paige Straightaway Eight Has Four Speeds

INTRODUCTION of an eight-cylinder Paige to be known as the model 8-85 or "The Straightaway Eight," and offered in six body types, is the outstanding feature of the Paige-Detroit Motor Car Co.'s offering at the New York Automobile Show. Coincident with the announcement it is stated that all cars built by the above company will hereafter be known as the Paige. Besides the new line the company is also presenting two new bodies on the lighter chassis formerly known as the Jewett. In addition to the eight, Paige will continue its three series of sixes, the 6-75 the 6-55, and the former 6-45's, giving the company a total of 20 models in its complete line.

Prices of the Paige 8-85 are:

Touring, 7-passenger	$2315
Sedan, 5-passenger	2355
Sedan, 7-passenger	2635
Cabriolet roadster, 4-passenger	2655
Coupe, 4-passenger	2655
Limousine, 7-passenger	2905

In general appearance the Paige eight resembles the 6-75's, but is mechanically distinctive in that it is equipped with a four-speed transmission of Warner make. Fourth is direct, but extreme quietness is secured in third by use of an internal external gear construction. Bodies are designed and finished along the same lines as are offered on the big sixes and are characterized by de luxe appointments. The car has a wheelbase of 131½ inches and is powered by a Lycoming eight-cylinder vertical "L" head engine, bore 3¼, stroke 4½, piston displacement 298 6 cu. in., with an N. A. C. C. rating of 33.8 hp. and maximum hp. of 80 at 3000 r.p.m. Heavy rubber cushions are utilized in the engine supports which contact with the frame at four points. The crankshaft which is of the five-bearing type, is equipped with integral counterbalances. A Lanchester vibration damper is also used.

Pistons are of light alloy, with slotted skirt and invar struts to compensate for expansion. Two compression rings and two oil rings are used, all above the wrist pin.

The clutch is a Long Model 10-A dry plate type. Universals are of the all-metal design and the conventional Hotchkiss drive is used. The car is equipped with Salisbury axles, front and rear, with a final ratio of 4.818. Paige-Lockheed hydraulic four-wheel brakes are standard equipment. Emergency brake is on the driveshaft. The artillery wheels carry 32 x 6 tires. Steering gear is of the worm and sector design with ratio of 18 to 1.

Standard equipment for all models includes cowl ventilator, automatic windshield cleaner, dash gasoline gage, combination

Top—One of the sedan models on the new Paige Straightaway Eight. Lower—The new 6-45 cabriolet roadster with rumble seat

stop and tail light, cowl lights, electric clock, coincidental steering and ignition lock, snubbers, and rear view mirror.

Closed car equipment includes rotary window lifts, remote control door handles, arm rests and door pockets.

Interior trim is in walnut finish, including instrument board, garnish moldings and door panels.

In the Paige 6-45, formerly Jewett, a coupe listing at $1165, and a cabriolet listing at $1360 will be the company's other new show offerings.

The coupe may be obtained with either brougham cloth or machine-buffed genuine leather upholstery.

Other features are the walnut steering wheel with light controls at the hub, dash gasoline gage, automatic windshield wiper, rear view mirror, combination stop and tail light, conical headlights, cowl lights and snubbers. Wood wheels are standard and steel wheels can be had for $15 additional.

In design, the 6-45 cabriolet roadster resembles the bigger Paige model. The rear deck conceals a rumble seat which may be opened from inside the front compartment, giving the car a capacity for four passengers. Upholstery is optional, corduroy and genuine buffed leather being offered. Equipment includes Balcrank bumpers, steel wheels, dash gasoline gauge, automatic windshield wiper, rear view mirror, combination stop and tail light, remote control door locks and shock absorbers all around.

Improved Appearance and Detail Revisions Feature Latest Series Chevrolet

NEW body contours, which produce a lower general appearance, addition of a sport cabriolet model, an improved oil pump, and adoption of an AC oil filter and air cleaner of the same make are the outstanding revisions made on the latest series Chevrolet. The new series designated as the "Most Beautiful Chevrolet" models, have bullet type headlights, one-piece fenders of full crown type, and heavier running boards.

All bodies have improved upholstery and are in new colors with a double belt effect of the fish tail type. Windshield pillars are of the narrow type and remote controls are provided for the doors on all closed models. Contributing to the lower general appearance is a new radiator core and shell assembly the latter with rounded corners and a change in the inside contour to accommodate the larger core.

Miscellaneous revisions include a rearrangement of the instruments, adoption of a new type tire carrier which is now fastened to a steel plate anchored to the rear of the chassis frame, a new 17 in. walnut steering wheel and a new lock of the coincidental type operating on steering and ignition system.

The new sport cabriolet has a permanent top of tan whipcord with leather upholstery of the same shade. Balloon tires are now standard equipment on all models as are disk wheels, tank gasoline gage, combination stop and tail light. All closed cars are regularly equipped with an automatic windshield cleaner.

Bendix Brakes Standard on Lincoln Cars

Bendix four-wheel brakes of the internal shoe, self-energizing type have been adopted as standard equipment on all Lincoln cars. For this new feature an extra charge of $200 will be made. With the new models the hand brake actuates the external brakes previously operated by the foot pedal. New bullet-shaped nickel-plated headlights with Parabeam lenses, and a radiator ornament are standard equipment on the latest Lincolns.

Falcon Motors to Build Knight-Engined Six

Announcement has been made by John A. Nichols, president of the Falcon Motors Corp., Majestic Bldg., Detroit, that the company will product and sell a Knight-engined six. The car will be known as the Falcon-Knight and sell in the $1000 class. The car will be shown privately during the National Automobile Shows. The plant will be located at Elyria, Ohio. A full line of bodies will be offered.

ered vanity case and smoking set. A high grade heater is standard equipment on both models. In addition to the features just mentioned the Ambassador also has a steel trunk integral with the rear panel.

Such chassis refinements as rubber mountings for the engine, thermostatic motor control, oil and air filter are continued.

The lower priced companion car of these two new models is the Nash two-door sedan on the Light Six chassis, listing at $925. It seats five passengers comfortably. The front seats are of the parlor car type to facilitate easy entrance and exit. Standard equipment includes five disk wheels, oil purifier, air cleaner, double filament headlights, dash gasoline gage, windshield wiper, combination stop and tail light.

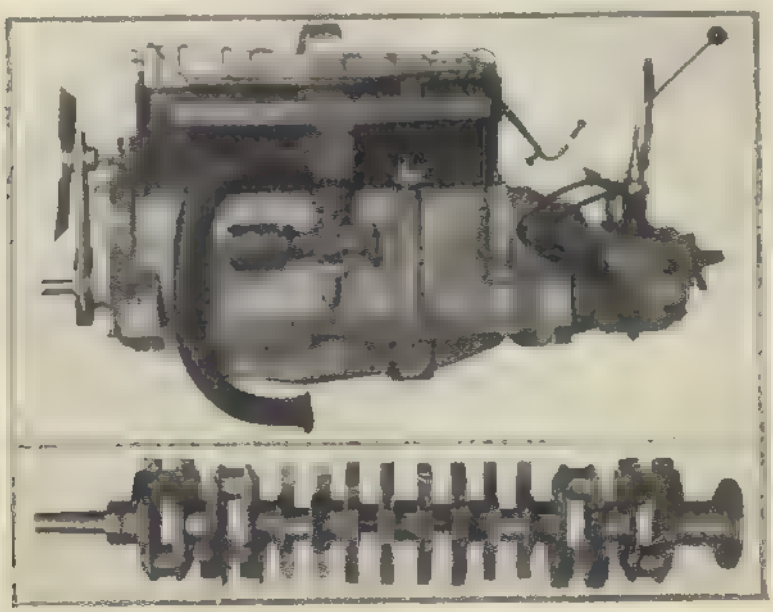
Stearns Introduces New Luxurious Eight

AN eight-in-line double sleeve valve engine, developing 102 hp., and mounted in a 137¾ in. chassis, with a complete line of bodies is announced by the F. B. Stearns Co. This, the G-8 series, is in the $4500 field and the chassis, with the exception of the powerplant and the size of the brake drums, is a duplication of the six-cylinder line recently announced

Seven body models are available: 4-passenger sport touring, roadster with rumble seat, cab-roadster with rumble seat, sedan, and 7-passenger sedan. The design of the bodies is comparable with the six-cylinder line.

Marking a new development in Knight engine design, the adoption of two eccentric shafts to operate the sleeves has made it possible to reduce the overall height of the engine. These shafts, driven by two Morse silent chains, are mounted in nine bearings on either side of the engine and operate the sleeves in the usual manner by short connecting rods.

The engine has a bore and stroke of 3½ in. by 5 in. giving a piston displacement of 384 cu. in. and a rated hp. of 39.2. The engine develops 102 b. hp. at 2600 r.p.m. and has a compression ratio of 4.85 to 1. The counterbalanced 3 in. crankshaft is mounted in 7 bronze-backed babbitt bearings with the end thrust taken by the rear bearing. Tubular steel connecting rods, with a center to center length of 12 in. have a 2¼ in. big



Powerplant of America's first luxury type Knight-engined car. An auxiliary control provides lubrication to the sleeves which are driven by two eccentric shafts. The crankshaft shown below is of 3 in. diameter counterbalanced and carried in seven bearings

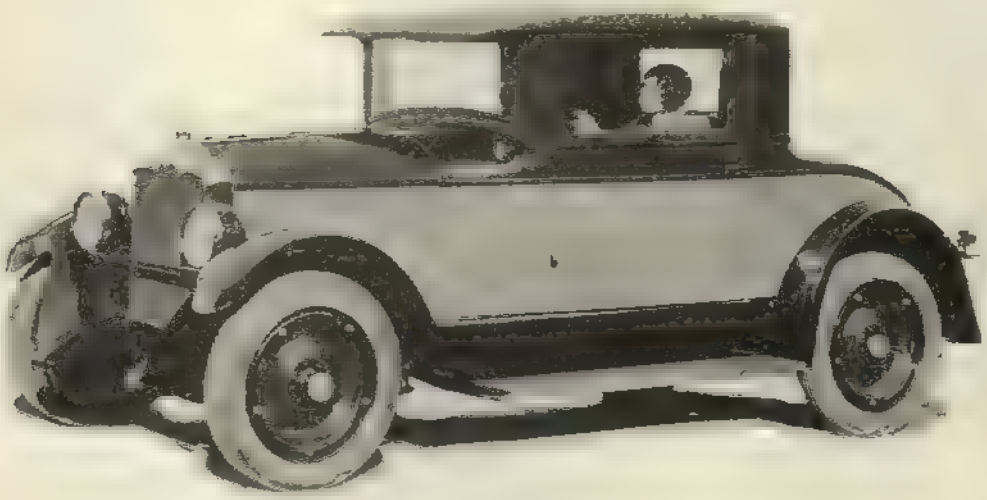
One of the sedan bodies on new Stearns-Knight straight eight chassis

end. The piston pin is locked in the upper end of the rod and the piston is fitted with four ⅛ in. compression rings all above the pin.

The cast iron cylinders form a single casting and with the detachable head are bolted to an aluminum crankcase. The exhaust leading from individual ports into the manifold is led over the center top of the engine where it is circulated through the intake hot spot chamber and from there passes down the front of the engine and on to the muffler. The intake manifold is of the Swan type and the carburetor is a Tillotson with an AC air cleaner.

Special provision is made for lubricating the sleeve valves when running at speed or under heavy load. Oil is taken from the main oil line and after passing through a control device interconnected with the foot throttle passes to the sleeves.

All electrical units are of DeJon make. The starter and generator being mounted on the right side of the engine with the distributor on the other. The latter is driven off the left eccentric shaft. At the rear the engine is secured to the frame through Belflex rubber pads and at the front end, coil springs are used in conjunction with Belflex pads.



Moon Adds Three Bodies to 6-60 Line

Moon has added a "Royal" four-door sedan, a two-door brougham and a cabriolet roadster to its 6-60 line of cars. The sedan lists at $1295 while the other two are priced at $1195. The cabriolet which is illustrated is upholstered in gray leather and is available in a number of color combinations. This model is provided with a one-piece swinging type windshield operated mechanically by means of a crank in the center of the cowl bar and a regulator for opening and closing the rear window. The four-door job has silk curtains, silk assist cord and robe rail to match upholstery and instrument board, cowl rail, and interior moldings finished in walnut. The rear of the brougham is fitted with an aluminum trimmed, black japan trunk finished in Duco to match the body color

They expected to sell 20 cars

Last year they delivered 186

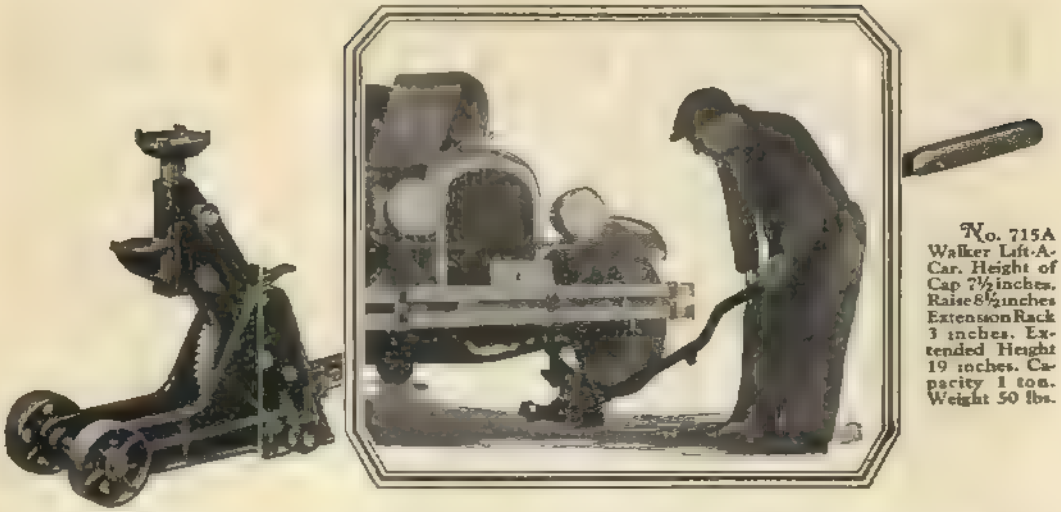
WHEN F. C. Tiedt and Fred Hahn of Western Springs, Illinois, started in 1921 to count up how many Studebakers they thought they could sell in this thriving little community of 3000 inhabitants, they thought 20 would be a peak quota.

But they actually sold 60 Studebakers that year—or at the rate of 1 for every 50 inhabitants of Western Springs.

In 1926, they sold 186 Studebakers. The first three months of this year, they delivered 42 Studebakers and Erskines. A recently opened branch at Berwyn, Ill., has also delivered a substantial number of cars. Business-building such as this is the rule, rather than the exception, in the record of Studebaker dealers all over the country.

If Studebaker is inadequately represented in your locality—or not at all—write today regarding the Studebaker-Erskine franchise. Your inquiry will be held strictly confidential. Address Department 53, The Studebaker Corporation of America, South Bend, Indiana.

STUDEBAKER



No. 715A Walker Lift-A-Car. Height of Cap 7½ inches. Raise 8½ inches Extension Rack 3 inches. Extended Height 19 inches. Capacity 1 ton. Weight 50 lbs.

"I Couldn't Afford to Be Without It"

Aligning Wheels

Adjusting Brakes

"I CAN lift a wheel quicker and easier with a Walker Lift-A-Car than with any other jack I've ever had my hands on"—this is what many a mechanic has said to us.

They don't make an axle too low or balloon tire too big for this jack. It saves time and money in adjusting brakes, putting on chains, changing tires, aligning wheels, and numerous other every-day jobs.

Lift-A-Car is a modern jack engineered and built to handle the new, low swung cars with balloon tires. If necessary the foot-lift will grab an axle 3½ inches from the ground. The high lifting point is 16 inches and with the cap extended it goes up to 19 inches. The 48-inch handle clears all interferences and makes the lift easy.

When you wheel out a sturdy Lift-A-Car you give the impression of modern efficiency that tells your customer he has come to the right place. Ask your jobber's salesman to bring a sample with him on his next trip. Handle it yourself and you'll find you can't afford to be without it.

Orland Walker
President

Walker Manufacturing Company
Racine, Wisconsin

Walker Jacks

"Dependable in Service"

Is your car
"A year and a half behind"?

by

F. E. Moskovics
President

STUTZ MOTOR CAR COMPANY
OF AMERICA, Inc.
INDIANAPOLIS

DURING the New York Show it quickly became apparent that the keynote of up-to-date engineering is *lower center of mass*—yet only two automobile manufacturers showed the courage of their convictions, and followed the lead of the Safety Stutz in adopting the worm-drive—although that is the only way in which a real lowering of the center of mass can be accomplished.

Other methods are half-way measures—cheaper but ineffectual. This is because the problem is reduced to lowering the propellor shaft five inches, and that is achieved only by a worm-drive, such as used in the Safety Stutz.

Another point: You notice the word, "Safety", now being used in connection with various cars, but did you ever find it so applied before we brought out the New Safety Stutz?

And did you observe the copies of Stutz horizontal louvers in the hoods of one car and another? Still other features will surely be copied—but, in the words of Kipling:

"They copied all they could follow,
But they couldn't copy my mind,
And I left 'em sweating and stealing,
A year and a half behind."

For the same reason these manufacturers spend their money to copy Stutz—to keep their stocks from being obsolete—the motor car merchant should guard against selling his prospects ancient models.

And that is one reason why dealers selling the Safety Stutz are uniformly successful. Write me and I'll tell you if you can make money selling the Stutz in your territory.

(Signed) F. E. Moskovics

STUTZ

The American Air-O-Stat (AUTOMATIC) enables you to make money through giving away a commodity that every motorist must have—AIR!

The American Air-O-Stat, latest and best of all air-measuring devices, is already popular everywhere, because it pays for itself quickly and shows a profit for the users.

American AIR-O-STAT
Accurate Air—Brings Customers There

Here's the idea! Mr. Motorist wants accurate air. The station that gives it to him wins his good-will and his GASOLINE, OIL and other patronage.

Here's the way this POSITIVE ACTION Air Stand operates:

Set dial to amount of air pressure desired
Put chuck on tire.
The air flows—and a bell rings continuously while the tire is inflating.
When the correct pressure is reached—click, the air stops, the bell stops ringing and—that's all.
Simple of construction, simple and "fool-proof" in operation.
Maximum service, minimum care. A REAL investment that pays you big dividends.

The American Oil Pump & Tank Co.
1137 Findlay St., Cincinnati, Ohio

The American
AIR COMPRESSOR

Send Coupon To-Day

THE AMERICAN OIL PUMP & TANK CO
1137 Findlay St. Cincinnati, Ohio
Please send information and prices.
( ) American Air-O-Stat
( ) American Air Compressor

Put it in the Bank

the Profit from Extra Sales

of Gas and Oil that comes to You from this

Free Air Service

Follow the Path to Profit

The American Air-O-Stat (Automatic) brings a neat daily profit from a FREE service. Here's a machine that gives Mr. Motorist the exact amount of air he wants, and does it in a jiffy. Will he appreciate it? You bet. No bother to him with this ship-shape equipment.

He just sets the dial of the positive action

American AIR-O-STAT

Accurate Air—Brings Customers There

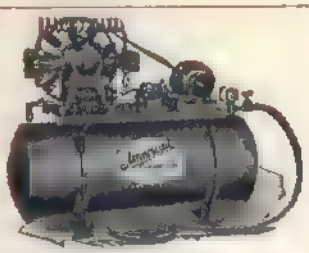
to the amount of air he wants and puts chuck on tire.

Then while the bell rings, indicating that the tire is inflating, he has time to think what else he needs . . . gas and oil nine times out of ten. Bell stops ringing when the air stops flowing. Job's done automatically, accurately, without fuss. He's ready for gas and oil, and YOU have one more sale that another station would have gotten.

The American Oil Pump & Tank Co.

1137 Findlay St. Cincinnati

Check and Mail Now



The American AIR COMPRESSOR

First in construction, operation, appearance, service. Noiseless operation secured by using plate [illegible] valves. No hammering. Cylinders are off-set from center of crank [illegible] connecting rods kept straight. Made in three sizes

Send Coupon Today

THE AMERICAN OIL PUMP & TANK CO.
1137 Findlay St., Cincinnati

Please send information and prices on ☐ American Air-O-Stat.
☐ American Air Compressor.

. . . . . .
. . .
. . . . . .

Positive Action

Here's an air stand you can depend on—it's automatic! Won't vary more than one pound from its setting. Its action is positive and faultless. And, it's *easy* to operate.

The *American Automatic* AIR STAND

Now you can have an air stand which is absolutely *automatic* and *positive* in measuring the inflation of tires.

Set the American Automatic Air Stand for the pressure desired and it *faithfully delivers* that amount, to within a one pound variation, into the tire!

Think what this means to your customer and you. Remember that the air stand is the one piece of equipment in your station that the motorist usually *handles himself*—and, a *dependable, automatic* air stand reflects credit on your station and service. Further, no more will you *lose gauges*—nor time and attention in *giving* them out and *getting* them back.

The American Automatic Air Stand operates on a *diaphragm-switch* principle — not by pressure regulating valve or electrical mechanism. Has no complicated construction — it is easy to operate. It has been "station-tested" and proven worthy.

While air is flowing into tire *the bell rings*—it *stops ringing* when pressure is reached and the air is *instantly* and *positively* shut off, even though the chuck is held on the tire.

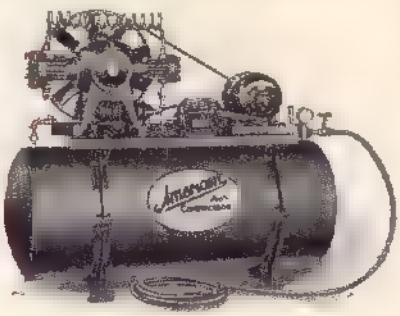
Write today for details on this new automatic air stand—use the coupon

The American Oil Pump & Tank Company

1137 Findlay St. Cincinnati, Ohio

THE *American* AIR COMPRESSOR

For construction, operation, wear and appearance this American Air Compressor stands supreme. Noiseless operation secured by using plate or disc valves—no hammering. Cylinders are offset from center to crank-case—connecting rods kept straight. Made in three sizes. Send coupon for prices and full information.



THE AMERICAN OIL PUMP & TANK CO.,
1137 Findlay St., Cincinnati, O.

Please send information and prices on:
☐ Automatic Air Stand ☐ Air Compressor

1 Perfect uniformity in wall thickness.
2 Perfectly machined wrist pin hole.
3 Accurate ring grooves.

200,000 pistons, 1800 patterns — in stock. Three big warehouses in New York, Chicago and San Francisco. This means SERVICE.

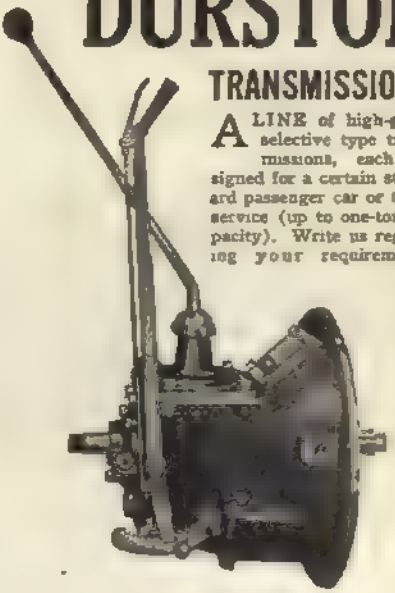
In all details, Houpert Pistons are absolutely accurate.

There is a distributor nearby, with a real service stock. Write for Houpert Catalog and name of Houpert Distributor.

HOUPERT
MACHINE CO.
LONG ISLAND CITY, N. Y.

DURSTON
TRANSMISSIONS

A LINE of high-grade selective type transmissions, each designed for a certain standard passenger car or truck service (up to one-ton capacity). Write us regarding your requirements.



Write for Bulletins
DURSTON GEAR CORPORATION
21 Maltbie St. Syracuse, N. Y.

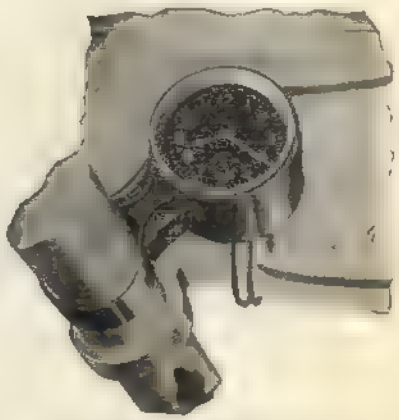
Model AC-15
The Amplion Grand
List Price $135
This remarkable instrument utilizes a new principle of radio reproduction—a combination of soundboard, air-column and cone . . a handsome walnut cabinet 34" x 33" x 18½". Every Amplion Grand is a laboratory model personally tested and approved by Amplion's Chief engineer

Another noteworthy success!
The Amplion Cone
Model AC 12. $30
A proven success because it has established a new standard in radio reception!

Amplion Reproducers from $12 to $135
Place an order with your jobber today
THE AMPLION CORPORATION OF AMERICA
Suite D, 280 Madison Ave., New York City
The Amplion Corporation of Canada, Ltd., Toronto, Ont.

AMPLION

MAGNETIC Self-Winding
Automobile Clocks



FOR STEERING POST MOUNTING

Can be attached by anyone in a JIFFY. Automatically wound by the car battery. Other models for dash mounting. Descriptive matter and discounts on request.

PRICE $12.00—Radium Dial, $1.00 Extra

THE MAGNETIC CLOCK COMPANY
Hartford, Connecticut

ATWATER KENT RADIO

Little town or big town

the story is the same

WITH no object except getting the FACTS, the American Press Association made a survey this year among the newspapers of 6,000 towns under 25,000 population.

The newspapers, in turn, had the radio dealers of their towns answer the questions.

Result of the most important question

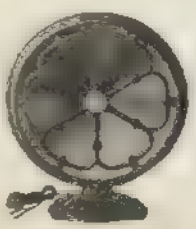
Q "*What radio set is the best seller?*'

A *Atwater Kent* FIRST – *by more than 2 to 1.*

In small towns as well as big towns, merchants who concentrate on Atwater Kent Radio concentrate on the radio people really want and buy. Figures as well as common knowledge prove it.

ATWATER KENT MANUFACTURING COMPANY
4901 WISSAHICKON AVE. *A. Atwater Kent, Pres.* PHILADELPHIA, PA.

EVERY SUNDAY EVENING—The Atwater Kent Radio Artists bring you their summer program at 9 15 Eastern Daylight Time, 8 15 Central Daylight Time



MODEL E RADIO SPEAKER. The ... suit of nearly three years' labo... work. Pa... ... register. With 9 feet of flexible cord $20.

... Crystalline ... el name plate, ...

... and vernier knob, $50.

MODEL H RADIO ... Ebony ... metal. Crystal ... finished in ... With 9 feet of flexible cord, $21

Prices slightly higher from the Rockies West, and in Canada. Write for illustrated booklet of Atwater Kent Radio

CURTIS COMPRESSORS, HOISTS, CRANES, CAR WASH SYSTEMS, PORTABLE COMPRESSOR UNITS

The Motorist goes where he is

Served Best

Here is the ideal unit to have behind your air service—the Curtis Style "V" Automatic Compressor.

Additional facts about the Tower Type Air Stand

Two styles—air only or air and water. Serves complete 32 foot circle. Oil check operating on kerosene works perfectly in freezing weather. Ballbearings protected from elements. Clearance of 8 ft. under lowered arm. Hose and arm reinforced at critical points. Stand finished in Orange Duco.

If "free air" is used to attract customers, then the *safest, most convenient* air service will attract the *most* customers. The Curtis Tower Type Air Stand makes Free Air an investment in goodwill.

A slight pull on the hose brings the arm into position to reach all tires. When released, the arm automatically "hangs up the hose". An oil check keeps the hose from whipping about.

The hose is kept up out of road-tar and oil. It cannot kink on the ground to be run over and cut with gravel. Your hose expense is kept at a minimum.

You will not have to be continually repairing the Curtis Stand. In it is incorporated the same simplicity of design and construction that has been so marked in all Curtis products.

Mail Coupon Today

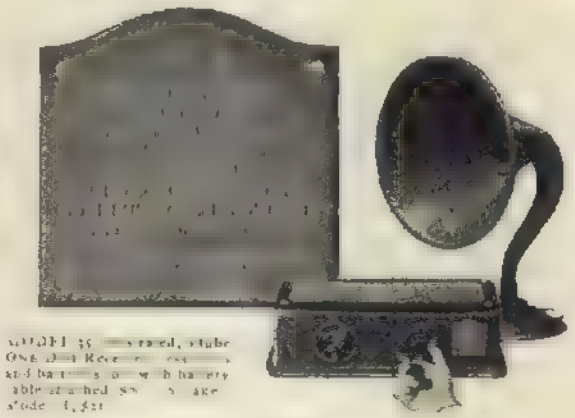
Curtis Pneumatic Machinery Co.,
1913 Wien-ger Ave., St. Louis, Mo.
Sie B Hudson Term., N Y City.
Please send me full information about Curtis Tower Type Air Stand.

Name .....
Address .....
City .....
State .....

CURTIS AIR STAND TOWER TYPE

CURTIS PNEUMATIC MACHINERY COMPANY, ST. LOUIS, U S A.

ATWATER KENT RADIO



The first receiving set sold by the Atwater Kent Manufacturing Company was shipped from the factory in November, 1922.

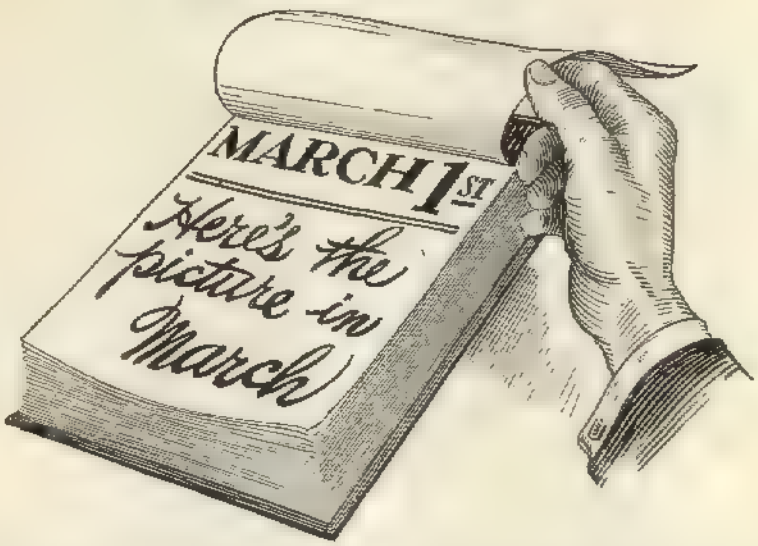
Figures for the intervening years, showing the increasing demand for Atwater Kent Sets, are:

1922-1923 . . . 6,628	1925-1926 . . 331,208
1923-1924 . . 58,927	PRODUCTION OF SETS FOR
1924-1925 . 175,461	1926-1927 . . 600,000

Prices slightly higher west of the Rockies and in Canada

ATWATER KENT MANUFACTURING COMPANY
A. Atwater Kent, President
4801 WISSAHICKON AVENUE, PHILADELPHIA, PA

ATWATER KENT RADIO



PEOPLE used to think that any radio set that would make a noise was wonderful. They know better now.

And the more they know, the stronger is Atwater Kent Radio's position with the public and the trade.

Every one of the more than a million owners is a walking advertisement of satisfaction. That's NOW.

Whenever any large group of people are asked what radio they expect to buy—or buy next—more people say "Atwater Kent" than any other. That's the FUTURE.

The Atwater Kent Manufacturing Company will continue to offer its dealers and the public a product that sells easily and stays sold.

And, of course, its advertising (radio's greatest campaign) will continue through the spring and summer as it has done for the past two years.

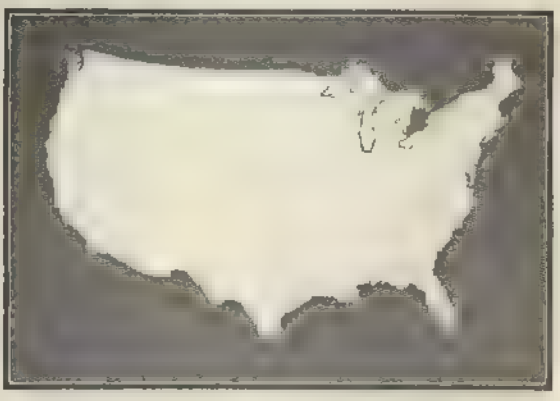
MODEL 35, illustrated, 6-tube ONE DIAL Receiver, less tubes and batteries, $70. Speaker, Model H, $21.

ATWATER KENT MANUFACTURING COMPANY

4801 WISSAHICKON AVENUE, *A. Atwater Kent, President*, PHILADELPHIA, PA.

Write for illustrated booklet of Atwater Kent Radio. *Prices slightly higher from the Rockies west, and in Canada*

ATWATER KENT RADIO



It isn't even sprinkled

WHO CAN TALK of a saturated market when—

63 per cent of homes have automobiles
42 per cent have phonographs
65 per cent have telephones
55 per cent have electricity
22 per cent have radio

Only 22 per cent have what *everybody* wants—radio! And a very large number of the sets now in use are relics of the past—home-made or otherwise obsolete—and will have to be replaced.

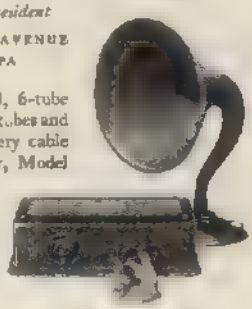
The market saturated? It isn't even sprinkled!

We doubled our sales in 1925. Thanks to the enthusiastic cooperation of our dealers and the advent of the Atwater Kent ONE Dial Receiver, we doubled them *again* in 1926.

For 1927—who in your town have Radio and who haven't? And who among the present owners are ready for better sets—the irresistible Atwater Kent ONE Dial Receivers which no one can try without wanting?

Write for illustrated booklet of Atwater Kent Radio

ATWATER KENT MFG. COMPANY
A. Atwater Kent, President
4801 WISSAHICKON AVENUE
PHILADELPHIA, PA



MODEL 35, illustrated, 6-tube ONE Dial Receiver, less tubes and batteries, but with battery cable attached, $70. Speaker, Model H, $21

Prices slightly higher from the Rockies west, and in Canada

TOMORROW YOU'LL WISH YOU HAD THE AUBURN FRANCHISE

8-77 Sport Sedan

$1495

STRAIGHT EIGHT MOTOR

125-inch Wheelbase

Four full doors, enclosed car, mechanical four wheel brakes. One of the leaders of Auburn's complete line including

6-66 ROADSTER *120-inch wheelbase* $[illegible]5	6-66 SPORT SEDAN *120-inch wheelbase* $[illegible]95	6-66 SEDAN *120-inch wheelbase* $1295	8-77 ROADSTER *125-inch wheelbase* $1395	8-77 SPORT SEDAN *125-inch wheelbase* $1495
8-77 SEDAN *125-inch wheelbase* $1595	8-88 ROADSTER *130-inch wheelbase* $1995	8-88 SPORT SEDAN *130-inch wheelbase* $2095	8-88 SEDAN *130-inch wheelbase* $2195	8-88 7 PASSENGER SEDAN *147-inch wheelbase* $2595

AUBURN AUTOMOBILE COMPANY, AUBURN, INDIANA

AUBURN

TOMORROW YOU'LL WISH YOU HAD THE AUBURN FRANCHISE

Last year, the most competitive in the history of the industry,
-Auburn doubled its production,
-and doubled its sales volume,
-and increased the number of cars per dealer,
-and increased profits for dealers.
Auburn, the fastest growing automobile company, has a running start ahead of the others for 1927.
Volume is up - prices down -
Now is the time to become an Auburn Dealer.

E. L. Ford

AUBURN

Now is the real selling season for light socket radio power devices

Keep your radio department operating at a profit by pushing Balkite —the standard line in this field

Your greatest problem during the coming months is to keep your radio department operating at a profit. It can be done. It's entirely a question of choosing the right lines to push, of concentrating on those which can be sold in volume.

Balkite is one of those lines. During the 1925-26 season the sales of Balkite Radio Power Units were 15% greater after than before January 1st. With Balkite the selling season is 60 to 90 days later than that of most radio lines.

This is logical. Every sale of a radio set creates a Balkite prospect. In a few cases the Balkite sale is made at the time the set is sold, but usually it follows a month or two later. That is why Balkite sales continue to mount months after the peak in set sales is passed.

True as this has been in past years, it will be even more true this year, for this is the greatest of all seasons for light socket radio power devices. Never has public interest in this type of equipment been so great; never have sales been so large. And as usual Balkite is the leader in this field.

Take advantage of this situation for your profit. Feature Balkite, which you know will sell, for the coming months. Prolong your selling season 60 to 90 days, and keep your radio department operating at a profit.

FANSTEEL PRODUCTS COMPANY, Inc.
North Chicago, Illinois

FANSTEEL
Balkite
Radio Power Units

The New Balkite Charger

MODEL J. Has two charging rates: A low trickle charge rate and a high rate for rapid charging and heavy duty use. Can thus be used either as a trickle or as a high rate charger and combines their advantages. Noiseless. Large water capacity. Visible electrolyte level. Rates: with 6-volt battery, 2.5 and .5 amperes; with 4-volt battery, .8 and .2 ampere. Special model for 25-40 cycles with 1.5 amperes high rate. Price $19.50. West of Rockies $20. (In Canada $27.50.)

Balkite Trickle Charger

MODEL K. With 6-volt "A" batteries can be left on continuous or trickle charge thus automatically keeping the battery at full power. Converts the "A" battery into a light socket "A" power supply. With 4-volt batteries can be used as an intermittent charger. Or as a trickle charger if a resistance is added. Charging rate about .5 ampere. Over 300,000 in use. Price $10. West of Rockies $10.50. (In Canada $15.)

All Balkite Radio Power Units operate from 110-120 volt AC current with models for both 60 and 50 cycles. Also a 25-40 cycle model for the Balkite Charger.

Three New Balkite "B"s

Balkite "B" eliminates "B" batteries and supplies "B" current from the light socket. Noiseless. Permanent. Employs no tubes and requires no replacements. Three new models. The new popular priced Balkite "B"-W at $27.50 for sets of 5 tubes or less requiring 67 to 90 volts. Balkite "B"-X (illustrated), for sets of 8 tubes or less; capacity 30 milliamperes at 135 volts—$42. Balkite "B"-Y, for any radio set: capacity 40 milliamperes at 150 volts—$69. (In Canada "B"-W $39; "B"-X $59.50 "B"-Y $96.)

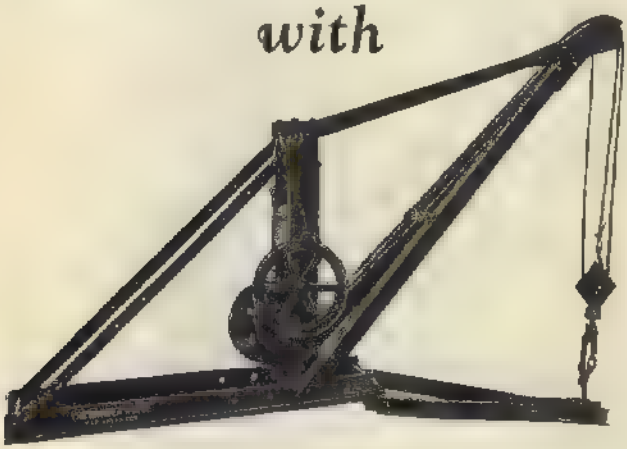
Balkite Combination

When connected to the "A" battery this new Balkite Combination Radio Unit supplies automatic power to both "A" and "B" circuits. Controlled by the filament switch on your set. Entirely automatic in operation. Can be put either near the set or in a remote location. Will serve any set now using either 4 or 6-volt "A" batteries and requiring not more than 30 milliamperes at 135 volts of "B" current—practically all sets of up to 8 tubes. Price $59.50. (In Canada $83.)

THE BALKITE LINE OF ELECTROLYTIC DEVICES IS PROTECTED BY EDGAR W. ENGLE U. S. REISSUE PATENT [illegible] 8,436 DATED OCT. 12, 1926

Gather in the Wrecks

with



BENDER ELECTRIC CRANES

2½ and 4 Ton Capacities

Going out after business and dragging it back to your shop with a BENDER Electric Crane on your service car, pays.

With the BENDER one man can handle any kind of service job, and regardless of requirements, your BENDER will control the situation.

Electrically operated from the storage battery. Priced at $130 and $175—and capable of paying it back in the first half dozen jobs.
WRITE

The MASTER Brake Tester Pays Shop Profits

Provides—at a moderate cost—a method of testing brakes and equalizing them to every owner's satisfaction. It saves approximately 60% of the time required for this necessary service in your shop—and pays for itself accordingly.

Brakes set by the MASTER method of weighing the frictional resistance, give safety and positive assurance of a job well done. They increase brake band and tire life.

Equal frictional resistance means efficient brakes, with resultant protection against side-slip, skidding and unequal wear on brake linings.

The price is only $12.50
Write for complete details

Price $12.50

National Distributors:

Master Mfg. and Sales Corp.

504 Monadnock Blk. Chicago, Illinois

Bender Electric Cranes

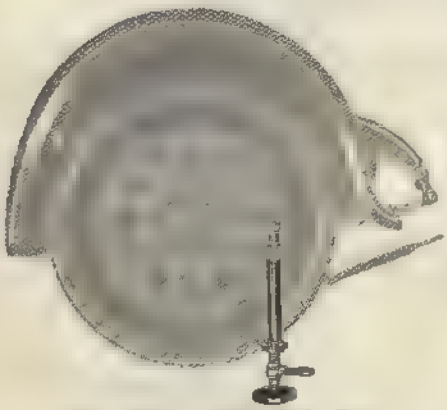
With a Bender Electric Crane one man — not a crew — brings back the wreck and the repair job. It's a big labor saver, a big money maker, *and a big business getter.*

You mount or dismount the 2-ton Bender Electric Crane in 5 minutes—a big advantage to the small garage that doesn't want to tie up a truck for wrecking exclusively.

The Bender 4-ton Heavy Duty Electric Crane is permanently mounted on your service truck. Both cranes with the exception of the cable drums are of all steel construction, and hook up to regulation 6-volt batteries. Big gear reduction makes drain on battery very slight. Write today for important detailed information.

Bender 4-Ton Heavy Duty Electric Crane handling 9000 lb. truck. The one-man wrecking crane that does the work of equipment 3 or 4 times its price

ONE MAN EQUIPMENT THAT MULTIPLIES PROFITS



The Master One Man Brake Tester

Master Brake Tester

With the Master Brake Tester *one* man —not two—adjusts the brakes. This highly developed machine accurately measures the brake power on each wheel, revealing any inequalities which demand brake adjustment or even repair or replacement. A big time and labor saver that wins the confidence of the customer and often proves beyond a question the necessity for new brake linings or brakes. Write today for important detailed information.

Master Manufacturing and Sales Corp.

General Offices: 504 Monadnock Block, Chicago, Ill.

ONE MAN EQUIPMENT THAT MULTIPLIES PROFITS

BENDER
Electric Cranes

Bring Back the Wreck Without a Crew

A Bender Electric Crane enables one man to bring back the wreck and the repair job.

The Bender 2-Ton Electric Crane is mounted or dismounted in 5 minutes—a big saving in equipment to the garage that doesn't want to tie up a truck for wrecking only.

The Bender Heavy-Duty Electric Crane—permanently mounted—handles four tons and more easily. Does the work of equipment priced three or four times higher.

Both cranes hook up to regulation 6-volt batteries. Big gear reduction makes drain on battery very slight. Switches and ball bearing motors fully enclosed and foolproof. With exception of cabledrums, both cranes are of all steel construction. Write today for important details.

Bender 4-Ton Electric Crane handling 9000-lb. truck. Load held at any point desired

Master Brake Tester Eliminates Guess Work

Accurately measures brake power on each wheel

THIS highly developed machine enables one man to measure accurately the brake power on each wheel in a fraction of the time it takes two men to make the test by guess work.

When you've shown your customers the necessity for brake repairs, new linings or even new brakes with a Master Brake Tester, you've convinced them.

It brings more people into your shop and gives you more opportunities for gas and oil sales. The Master Brake Tester is a big business getter and labor saver that you can't afford to be without. Write today for important details.

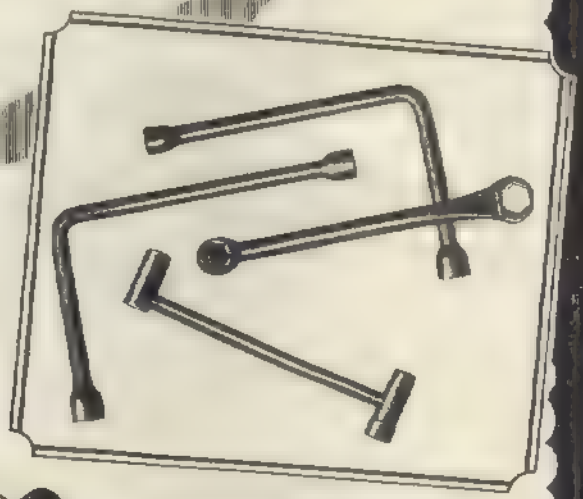
Master Manufacturing and Sales Corp.
General Offices: 504 Monadnock Block, Chicago, Ill.

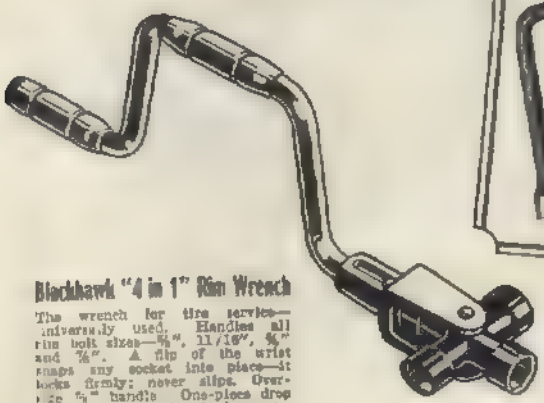
When you see a "Hex" think of Blackhawk

Sell the "Set Idea"
on One-Piece Wrenches

Ford, Chevrolet, Dodge and other owners are live prospects for an inexpensive set of Blackhawks. The first interest they show in any one tool is your cue to push the set idea. Blackhawk One-Piece Wrenches also go big with your garage trade. From your Display Boards or Cabinet you can make up sets for any car—saving time, work and money for the user—and building up volume for you.

Mechanics and motorists prefer the better looks and "feel" of Blackhawk Wrenches. Handles have just the right reach and leverage. Sockets are welded on, and exactly 1/64" oversize. The trim black finish is baked on to stay.





Blackhawk "4 in 1" Rim Wrench

The wrench for tire service—universally used. Handles all rim bolt sizes—⅝", 11/16", ¾" and ⅞". A flip of the wrist snaps any socket into place—it locks firmly; never slips. Over-size ⅝" handle. One-piece drop forged head. Liberal discounts.

List Price: $3.95

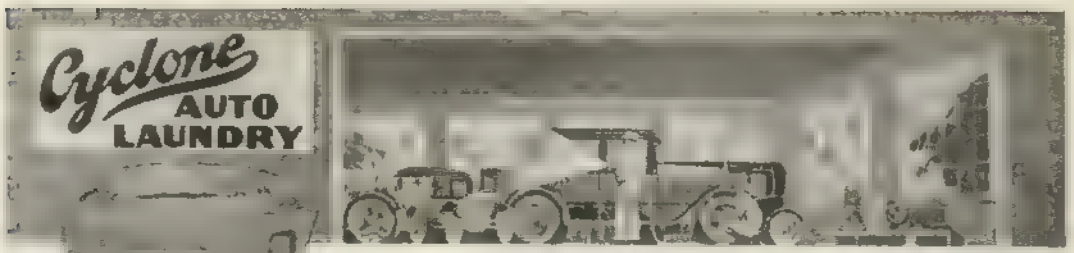
Chevrolet Set No. 30

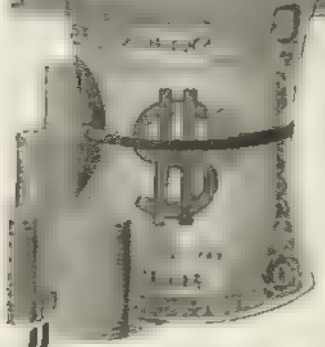
This set of four Blackhawk One Piece Wrenches will handle most of the repair jobs on Chevrolet cars. Blackhawk quality throughout and the famous Blackhawk fit assures grease-tight nuts that will easily but never slip round off, crack or break loose from the handle. Made of special analysis, unbreakable steel.

Ask your jobber, or write us for catalog and discounts

Blackhawk Mfg. Co., Dept G, Milwaukee, Wisconsin

BLACKHAWK





Here Is *Real Money* Waiting for You!

HUNDREDS of garagemen, service stations and wash racks are making big profits by means of the Myers Auto Washing System. If you have suitable floor space available—or can get it—you can do likewise. *Don't overlook this big-money opportunity afforded by*

MYERS *Cyclone* AUTO-WASHER

Quick Work *and* Easy Money

With the Myers Cyclone Washer a car can be washed perfectly clean in a *few minutes' time!* Dirt and grime disappear like magic. For body work the patented gun throws a soft spray that soaks and cleans thoroughly without driving the grit into the finish. For the stubborn mud and grease beneath the fenders and chassis a powerful, high-pressure stream *literally wipes it off!*

GENUINE MYERS QUALITY

The Myers Cyclone Auto Washer is a complete, self-contained automatic unit with all parts enclosed running in oil. Motor drive—for two or four guns. Easily installed and occupies small space. Economical to operate, saves water and multiplies washing capacity many fold.

Write for Booklet *and* Details To-Day

The Myers booklet, "Dollars from Mud and Water," will show you how you can service hundreds of cars weekly and build up a business that pays *extraordinary profits!* The mud and dust of Spring and Summer are ahead of you. Now is the time to get started. Mail the coupon at once.

THE F. E. MYERS & BRO. CO.
5 Orange St. Ashland, Ohio.

The F. E. Myers & Bro. Co
5 Orange St., Ashland, Ohio

Gentlemen: Please send full information about MYERS "Cyclone" equipment.

Name .....

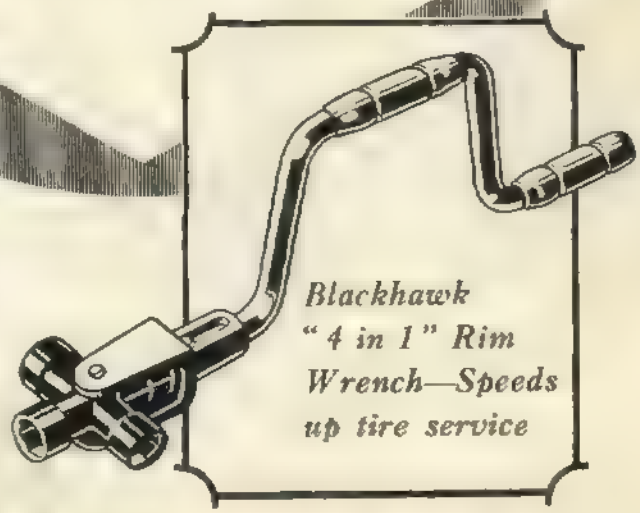
Address .....

At 50 cents they can't resist!

This 50 cent price for well-known Blackhawk quality is a knockout feature. Every motorist is a prospect. These rim wrenches come closer to a "sell on sight" article than any other tool we know of.

Free counter display in bright flashing colors holds one 50c wrench out of stock. Dealer's Rim Wrench Assortment No. 5200 contains 18 rim wrenches of the *three most popular* sizes: 10 of 5/8", 3 of 11/16" and 5 of 3/4", each selling at 50c.

Handles ½" steel, with sockets WELDED on—not pinned or riveted. 4 in. shanks for easy use on *Disc Wheel Nuts.*



Blackhawk "4 in 1" Rim Wrench—Speeds up tire service

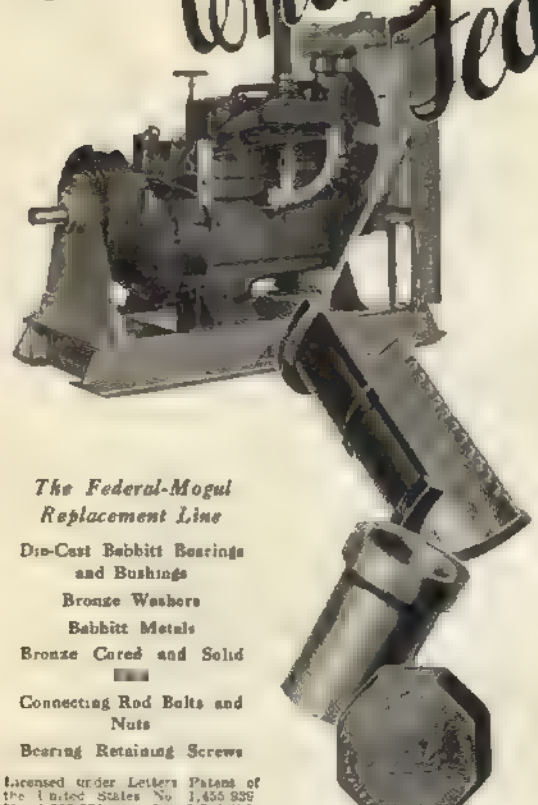
No. 5104. The standard heavy duty tire service tool for tire stations and garages—universally used. Handles all rim bolt sizes changing with a flip of the wrist —5/8", 11/16", 3/4" and 7/8" Liberal discounts Lists, $3.95.

From your jobber, or write us—

BLACKHAWK MANUFACTURING CO.
Dept. G
Milwaukee Wisconsin

BLACKHAWK

ask Waukesha what they think of Federal-Mogul



The Federal-Mogul Replacement Line

Die-Cast Babbitt Bearings and Bushings

Bronze Washers

Babbitt Metals

Bronze Cored and Solid

Connecting Rod Bolts and Nuts

Bearing Retaining Screws

Licensed under Letters Patent of the United States No. 1,455,839 No. 1,302,584. No. 1,302,838; No. 1,340,237

Waukesha engines have long been known for their mechanical excellence — for their ability to stand up under extraordinarily heavy loads.

None but the best of bearings and bushings can meet Waukesha's requirements. And that, of course, means Federal-Mogul.

Whatever difference of opinion may exist among automotive engineers in regard to other items of equipment, *all* are agreed on the quality of Federal-Mogul Bearings, Bushings and Bearing Metals. Waukesha is only one of more than 150 leading manufacturers who use them as standard equipment.

Purchase of the U. S. Bearings Company of Indianapolis, further confirms our position of dominance in the bearing field.

The Federal-Mogul replacement line is sold through 573 distributors. Use it and you can be sure of satisfactory service.

FEDERAL-MOGUL CORP.
Detroit, Michigan

Mogul FEDERAL

Some Waukesha Installations in Which Federal-Mogul Bearings Have Proven Themselves

At the spectacular Atlas fire, Milwaukee, a Federal Mogul equipped Waukesha pumper engine pumped 300,000 gallons of water in 16 hours and 30 minutes, at an average pressure of 145 pounds.

In Breckenridge, Texas, two 100 H. P. Waukesha Motors, operating on waste gas, are each heading a high pressure pump, running 24 hours a day, and having a daily capacity of 380,000 gallons of water at an average pressure of 800 pounds.

In the G. & A. R. R. Versara-Westinghouse bus, a Federal-Mogul equipped Waukesha Motor drives a 12-passenger, 30,000 pound, eight wheel bus at the rate of fifty miles an hour.

"THE REPLACEMENT LINE THAT'S GENUINE"

Now!

Socket Wrench Stock and Cabinet for $30

This *new* Blackhawk Cabinet sets you up in the profitable socket wrench business for $30. Consists of a very complete assortment of the most popular Blackhawk Handles and Sockets so that you can quickly make up sets for any car right out of the cabinet—and the flashing steel cabinet is FREE with first order.

Ask your jobber's salesman to show you this new No. 2 assortment and cabinet.

BLACKHAWK MFG. COMPANY

Dept. G, Milwaukee, Wis.

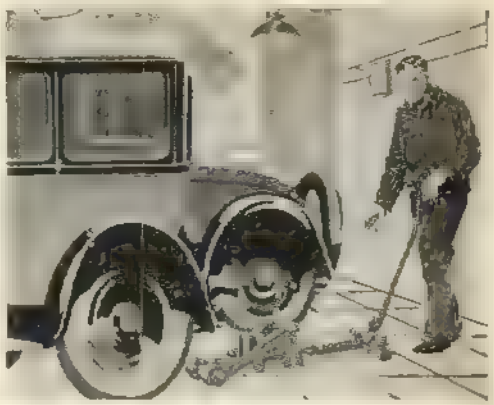
Cased Drain Plug Service Set
No. 23-G

Socket sizes and handle types fitting a wide range of cars—for removing plugs to drain crankcases, also for drain and refill plugs in transmission and differential housings. Consists of 6 hex sockets, 7 square sockets, 7 square plugs, sliding bar handle, extension bar and attachment for drain plugs with slots—all in compact 20-gauge-steel case. List price, $11 90

BLACKHAWK

When a Fellow Needs a Good Jack

In the crowded garage a Reliable Hydraulic Jack proves itself a saver of time, temper and labor and a money-making asset to the shop.



A Line That Meets Every Lifting Need

No. 50. 2½ tons

Reliable Jacks are made in a comprehensive variety of sizes and types to cover every possible lifting need. Here's a husky No. 50, the Hydraulic hoister that has banned backaches and "busted" bones from the business of servicing motor buggies. Low starting point: 4½". ELEVEN INCH LIFT. One inch of handle movement will raise the car. Release valve on handle. The load is always under control. No ratchets, toggles or chains to fuss with. Roller bearings make heavy loads ride easily. Send for our catalog and learn more about it. As a means of speeding up your work and making the shop show more profits, RELIABLE No. 50 is invaluable. 2½ ton capacity.

Bus and Truck Fleet operators—Write for specifications of our new Nos. 70 and 71 Hydraulics—For speeding up servicing of trucks and busses. 7 ton capacity.

Just a Few of the Other Leaders in Our Line

No. 14
Latest addition to our line. 1-ton capacity

No. 15
A remarkably popular balloon tire jack. Long handle control. Lifts 2 tons 10 inches. Wonderful value.

No. 16
A new balloon jack. 3000 lb. capacity. Lifts 9¼".

No. 7
A powerful extra quality jack. Low clearance. Lifts to 17 inches. Long handle control. 5,000 lbs capacity. Money cannot buy a better jack.

For Economy Handle the Complete Line

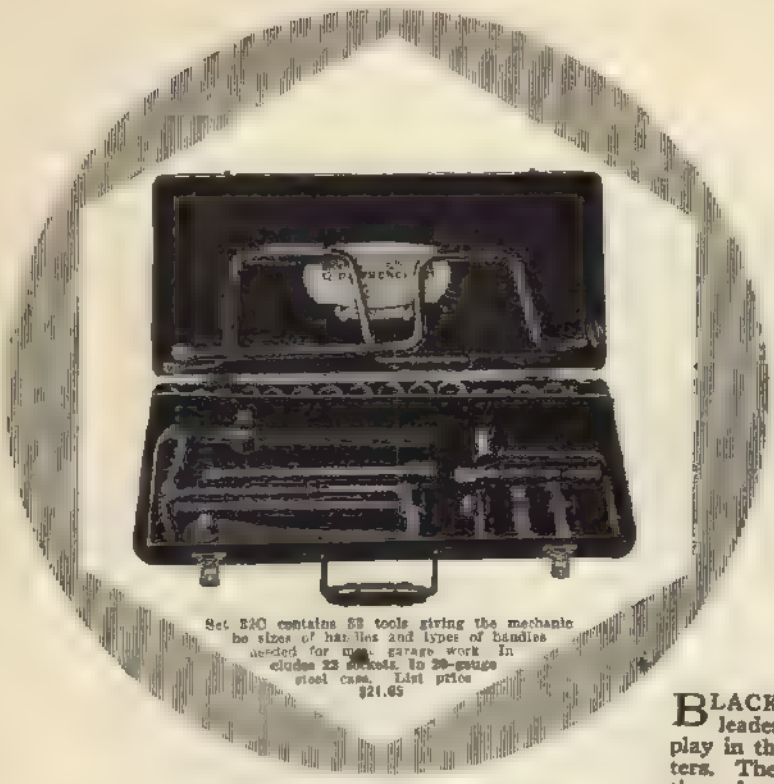
ELITE MANUFACTURING COMPANY
ASHLAND, OHIO

NORTHWESTERN BRANCH:
G. A. Ashton Co., St. Paul, Minn.
(Complete stock carried in Ashton Block)

SOUTHWESTERN BRANCH:
The Carroll Co., Dallas, Texas
(Complete stock carried in Carroll Warehouse)

SALES REPRESENTATIVES
Motor Products Company
149 Church St., New York N. Y.
The L. E. Spencer Company
416 Nashville Trust Bldg.
Nashville, Tenn.
A. E. Mokrig
1450 Pine St., San Francisco, Cal.

RELIABLE BALLOON TIRE JACKS



Set 240 contains 88 tools giving the mechanic the sizes of handles and types of handles needed for most garage work. Includes 32 sockets. In 20-gauge steel case. List price $21.65

Push These Sets— It Pays!

BLACKHAWK Sets are 100% leader goods. They repay display in the window—on your counters. The mechanic wants kits like these because they speed up work and increase his earnings.

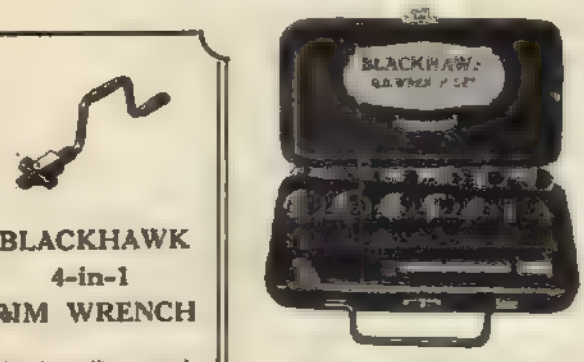
There are seven standard sets in four sizes of steel cases. List prices range from $13.75 for an 18-tool compact set, to $35 for a 43-tool set that gives the mechanic every necessary tool for working on all automobiles and largest trucks.

You can easily make up these and other special sets for any kind of wrench work out of the Blackhawk Display Cabinet.

Blackhawk Socket Wrenches are built for heavy-duty service. Tapered sockets grip the hard-to-reach nuts. Handles (a full range) have just the reach and leverage that mechanics prefer.

Ask your jobber about the good profit and turnover in these Blackhawk Sets.

BLACKHAWK MFG. CO.
Dept. G Milwaukee, Wis.



Set 230 is a drain plug service set. Socket sizes and handle types fitting a wide range of cars—for removing plugs to drain crank cases, also for drain and refill plugs in transmission and differential housings. In 20-gauge steel case. List price $12.20.

BLACKHAWK 4-in-1 RIM WRENCH

The fast-selling standard heavy duty service tool for tire stations and garages—universally used. A flip of the wrist snaps any socket into place. Handles all rim nut sizes—5/8", 11/16", 3/4" and 7/8". List, $3.95. Usual discounts.

BLACKHAWK

Wrench Stock $30
Cabinet FREE

When you see a Hex. think of Blackhawk

This *new* Blackhawk Cabinet puts you in the profitable socket wrench business for $30. Its assortment of 88 tools lists at $50. You net $20. The Cabinet is FREE with first order—all steel in handsome colors. From the very complete assortment of Blackhawk Handles and Sockets you can quickly make up sets for mechanics or any car.

List of socket sizes is on one door of cabinet, and a quick reference chart on the other. "Wrench Set Manual," also furnished free, shows correct sizes for each car

Ask your jobber's salesman to show you this new No. 2 assortment and cabinet that sells wrenches *in sets* that run into real profits.

BLACKHAWK MFG. CO., Dept. G, Milwaukee, Wisconsin

Write for your copy of the Blackhawk catalog

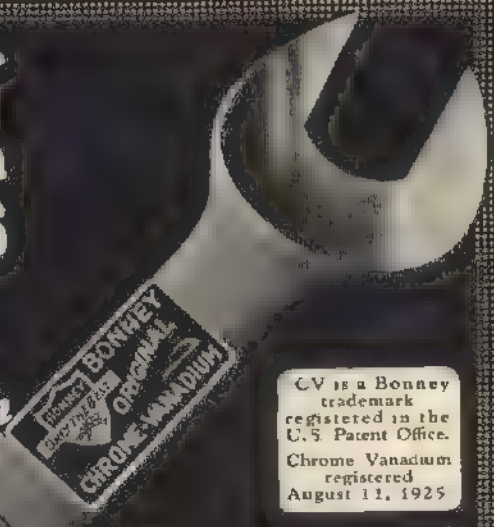
BLACKHAWK

The wrench for tire service and garages—universally used. A flip of the wrist snaps nuts right into place. Handles all rim bolt sizes—⅝", 11/16", ¾" and ⅞". No springs to give way. Saves time and sweat.

List price $3 05

Blackhawk "4 in 1" Rim Wrench

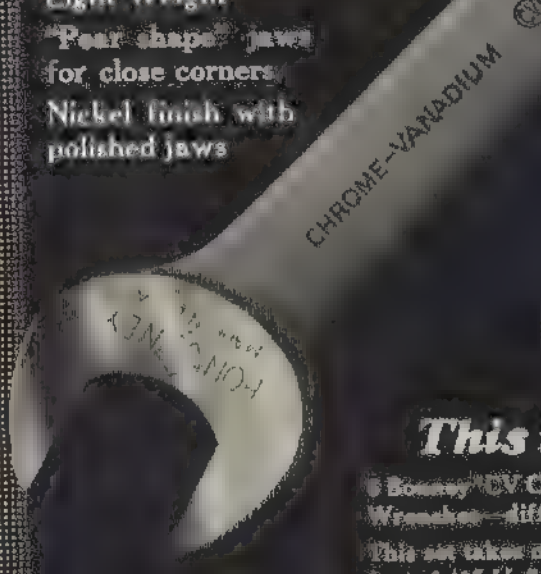
BONNEY
*CV Chrome Vanadium
WRENCHES



*CV is a Bonney trademark registered in the U. S. Patent Office.
Chrome Vanadium registered August 11, 1925

This is the Engineer's Wrench

Tremendous strength
Light Weight
"Pear shape" jaws for close corners
Nickel finish with polished jaws



This is the No. 25 Set

6 Bonney "CV Chrome Vanadium Double End Engineer Wrenches—different size openings at each end.

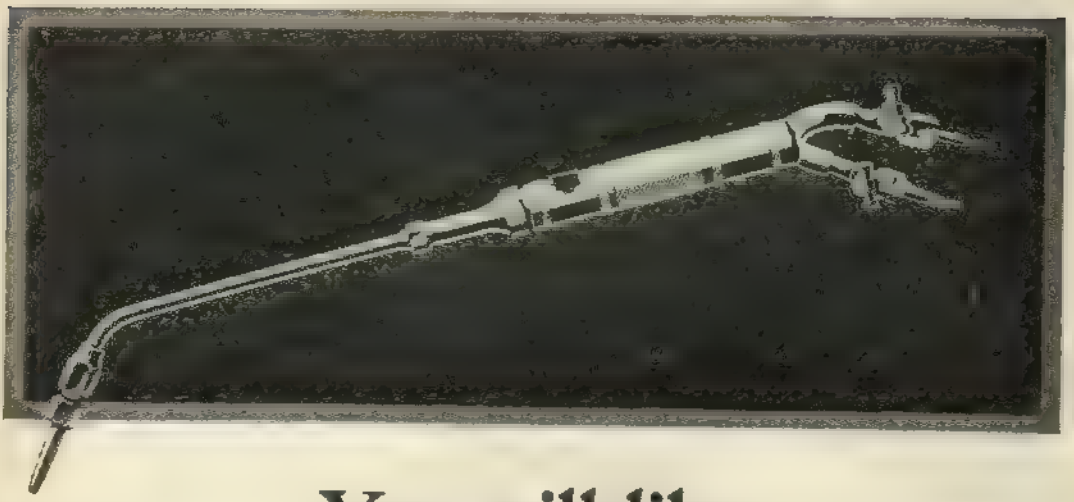
This set takes care of 21 different nuts and bolts from 1/4" U. S. Standard to 3/4" Hex Cap Screws.

Complete as illustrated

$7.85

BONNEY FORGE & TOOL WORKS
ALLENTOWN, PA.

BONNEY WRENCHES
Chrome-CV-Vanadium



You will like Prest-O-Weld Blowpipes

YOU WILL like Prest-O-Weld welding blowpipes because they are designed for convenience as well as for efficiency and economy. They are blowpipes built for welders, by men who are themselves engineers and skilled welders.

For example, the center of balance of the Prest-O-Weld blowpipe is kept well toward the rear, which makes it easy to handle, and the handle itself is knurled to make a comfortable grip.

Prest-O-Weld apparatus belongs to the "equal pressure" type. This means that Oxygen and acetylene are supplied at approximately the same pressure. With this principle as a basis, Oxweld engineers have developed a design that insures thorough mixing of the gases and ease of control.

Prest-O-Weld is good apparatus, reasonably priced, and is sold by jobbers everywhere.

PRICES:

W-101 welding blowpipe with 5 tips and 2 sizes, $27.00

W-102 welding blowpipe with 5 tips $21.00

Prices slightly higher on Pacific Coast.

OXWELD ACETYLENE COMPANY

Unit of Union Carbide and Carbon Corporation

Chicago 5642 Jasper Place | Long Island City, N.Y. Thompson Ave. & Orton St. | San Francisco 1050 Mission Street

PREST-O-WELD

BONNEY *CV (Chrome Vanadium)

No. 4 Sample Kit

*CV is a Bonney trademark registered in the U.S. Patent office

$2.50

Three Bonney C-V (Chrome Vanadium) double end Right Angle Wrenches with openings to fit the six most popular size S. A. E. bolts. The wrenches are designed with a ninety degree angle of opening and "pear shaped" jaws for work in close quarters. They are well balanced, comfortable to the hand, and are guaranteed to be stronger than the bolts which they fit. This is an introductory kit and the price complete is less than the cost of the three wrenches as they sell if purchased separately.

Attractive Discounts to Dealers

BONNEY FORGE & TOOL WORKS
ALLENTOWN, PA.

Makers of Special Service Wrenches of Chrome Vanadium, Open-End, Box and Deep Forged Wrenches, Pipe Wrenches, Vises and Drop Forgings and the Bonney Auto Tools

BONNEY WRENCHES
Chrome-CV-Vanadium

BONNEY FORGE & TOOL WORKS, ALLENTOWN, PA.
Please send me one of your No. 4 Sample Kits for which I am attaching remittance for $2.50

*Name*_____

*Address*_____

PATENTS PENDING

*CV is a Bonney trademark registered in the U.S. Patent Office.
Chrome Vanadium registered August 11, 1925.

BONNEY No. 25 SET
of *C.V. Chrome Vanadium Engineer's Wrenches
$ 8.25

The No. 25 Set consists of 6 Bonney *CV Chrome Vanadium Double End Engineer's Wrenches of different size openings at each end.

This set takes care of 21 different size nuts and bolts from 3/8" U. S. Standard to 1" Hex Cap Screws.

The leading Automotive Jobbers carry these wrenches in stock.

Bonney Forge & Tool Works
Allentown, Pa.

Makers of Special Service Wrenches of Chrome Vanadium, Carbon Steel Drop Forged Wrenches, Pipe Wrenches, Vises and Drop Forgings and the Bonney Rim Tool.

BONNEY Chrome-CV-Vanadium WRENCHES

To secure Mechanic's discount fill in and mail this coupon.

MECHANIC'S COUPON

Bonney Forge & Tool Works,
Allentown, Pa.
Gentlemen:

I am a Mechanic employed at

.....
(Name of auto repair shop)

.....
(Address)

and as such, am entitled to your Mechanic's discount. Am attaching remittance of $5.50 for one of the No. 25 Sets described above, which is to be mailed to me at the address shown above.

.....
(Name)

New BONNEY RIGHT ANGLE C.V. Chrome Vanadium Wrenches

(Patents Applied For)

"CV is a Bonney trademark registered in the U.S. Patent Office. Chrome Vanadium registered August 11, 1925.

BONNEY "Only the Best"

Bonney "C-V" Chrome Vanadium Right Angle Wrenches, 90 degree angle of opening, are designed for work in close quarters where it is impossible to use a 15 degree or 22-1/2 degree opening Wrench. Such places are found in work on brakes, manifolds, cylinder-heads, etc. The heads are pear shaped as in the Engineer's type of Bonney "C-V" Wrenches and the handles are shaped to give the operator a comfortable grip.

Finished in nickel with polished heads. Made in all standard combinations of openings from 5/16" to 7/8". The prices of Bonney "C-V" Right Angle Wrenches are identical with prices of corresponding openings in Bonney "C-V" Engineer's Wrenches.

BONNEY No. 40 KIT

Complete in Leatherette Case **$6.00**

Five Bonney "CV Chrome Vanadium double end Right Angle Wrenches, all neatly packed in attractive leatherette kit. These five wrenches will fit the following:

U.S. STANDARD NUTS	S.A.E. NUTS	HEX CAP SCREWS
1/4", 5/16", 3/8", 7/16", 1/2".	1/4", 5/16", 3/8", 7/16", 1/2", 9/16".	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8".

(In cardboard box without leatherette kit $5.05)

[Attractive Discounts]

You can secure from your Jobber

Bonney Forge & Tool Works

Allentown, Pa.

Makers of Special Service Wrenches of Chrome Vanadium, Carbon Steel Drop Forged Wrenches, Pipe Wrenches, Vises and Drop Forgings and the Bonney Rim Tool.

BONNEY Chrome-CV-Vanadium WRENCHES

Bonney Forge & Tool Works

ALLENTOWN, PA.

Please send me one of your No. 40 Kits for which I am attaching remittance of $6.00.

Name _____

Address _____

BONNEY "CV" (Chrome Vanadium) SOCKET WRENCH SET

ATTRACTIVE DISCOUNTS TO DEALERS

Bonney "CV" Chrome Vanadium Socket Set No. R

Ratchet handle,
Bar for ratchet,
6-inch T handle,
12-inch T handle,
Sliding T handle,
13-inch brace handle,
20-inch sp
6-inch exte
18-inch ex
Universal joint,

All enclosed in a handsome assembled metal case, complete with leather handle.

All sockets and handles are made of the famous Bonney "CV" Chrome Vanadium Steel and are fully covered by the Bonney Guarantee.

"CV" is a Bonney trademark, registered in the U. S. Patent Office.

BONNEY FORGE & TOOL WORKS
ALLENTOWN, PA.
Makers of Special Service Wrenches of Chrome Vanadium, Carbon Steel Drop Forged Wrenches, Pipe Wrenches, Pliers and Drop Forgings and the Bonney Rim Tool.

Chrome Vanadium registered August 11, 1908

BONNEY WRENCHES
Chrome-CV-Vanadium

Prest-O-Weld is easy to use

YOU don't have enough welding to do to employ a full-time welder. So you want welding equipment that any good mechanic can use.

That's Prest-O-Weld.

The price is made for your purse and the equipment is made for your shop. Easy to regulate, easy to operate, sturdy, well-made (in the same factory in which the famous Oxweld injector type equipment is produced).

It means that you can do those occasional welding jobs that you always thought you'd like to do —jobs that are money makers and time savers—and still justify the expense of an outfit as sold by jobbers everywhere. You can if you buy Prest-O-Weld.

OXWELD ACETYLENE COMPANY
Unit of Union Carbide and Carbon Corporation

UCC

Chicago
3642 Jasper Place

Long Island City, N. Y.
Thompson Ave. & Orton St.

San Francisco
1050 Mission Street

PREST-O-WELD

BONNEY
ONLY THE BEST
54% of these Operators use BONNEY Tappet Wrenches
We had a third party write to 1600 bus and truck operators asking them what kind of tappet wrenches they used.
Of the replies received 54% said Bonney Chrome Vanadium Tappet Wrenches. More Bonneys than all others combined—three times as many as the next most popular make.
This overwhelming preference for Bonneys tells its own story.
You can buy wrenches of many different grades and prices but Bonney stands alone. Bonney CV Chrome Vanadium Wrenches are so good that they are the least expensive in the long run.
Your jobber carries them in stock.
Bonney Forge & Tool Works
Allentown, Pa.
BONNEY WRENCHES
Chrome CV Vanadium
Recommended by all the leading car manufacturers

This Prest-O-Weld kit will make money for you

It will enable you to make all kinds of welding repairs by the oxwelding process, and it will improve your service to your customers.

This Prest-O-Weld outfit—W-102—is built especially for your shop. It contains a welding blowpipe for light and medium welding work, such as a garage or repair shop usually gets. It's the kind of tool you want to use because it is well balanced and feels right when you use it.

The outfit also contains regulators, gauges, hose and other accessories that are needed, and, in addition, a special blowpipe for removing carbon from gas engines.

Like all Prest-O-Weld apparatus, this outfit is rugged and built for service, but at the same time it is light and convenient to use.

Price of W-102 welding outfit as pictured $49.50
Prices slightly higher on Pacific Coast.

Prest-O-Weld is good equipment, reasonably priced, and is sold by jobbers everywhere.

OXWELD ACETYLENE COMPANY

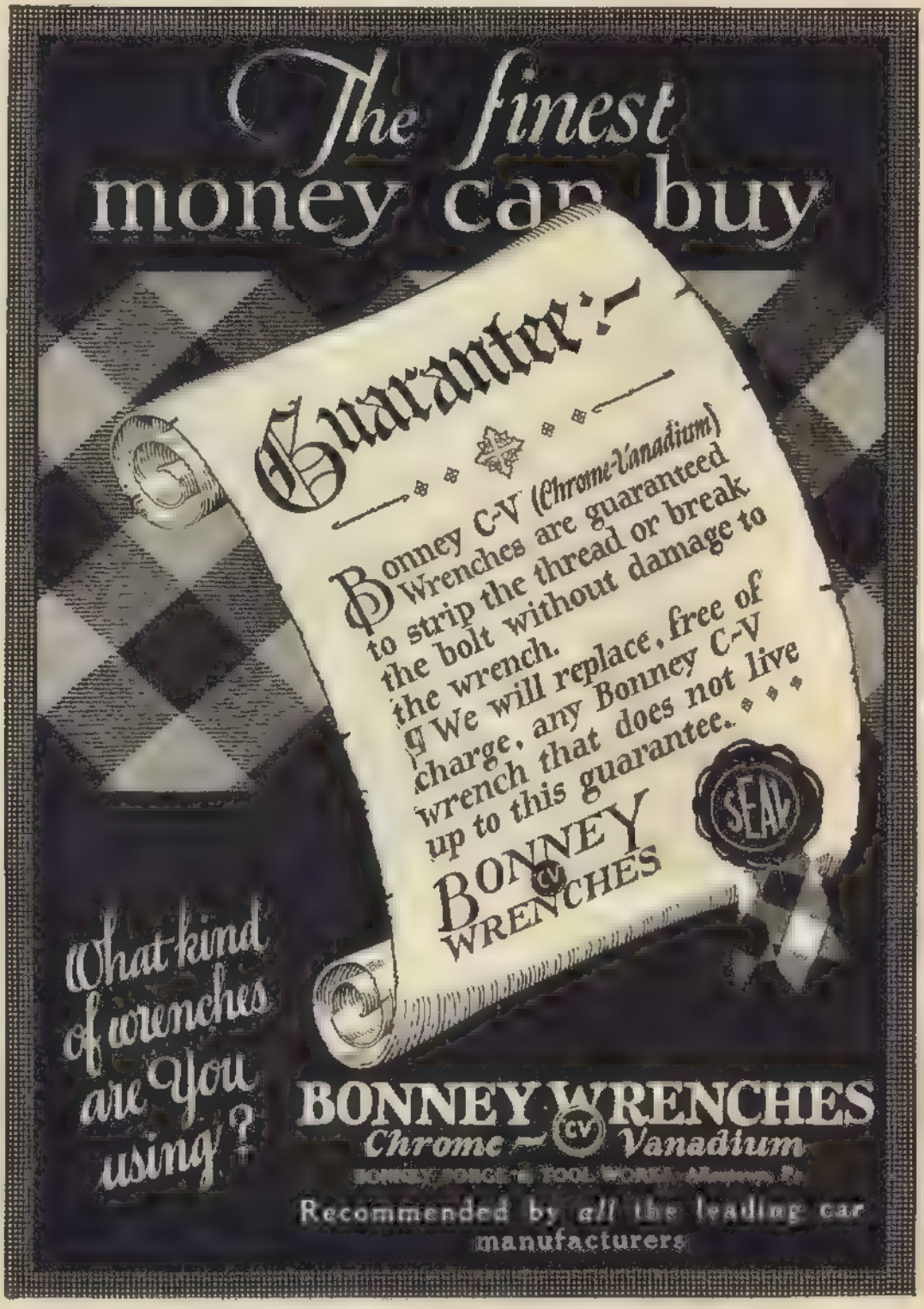
Unit of Union Carbide and Carbon Corporation

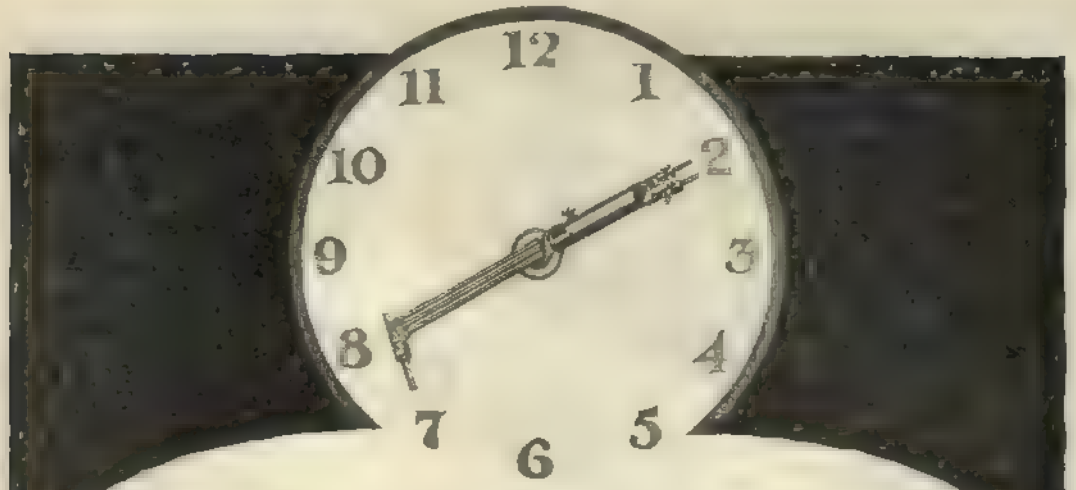
Chicago
1642 Jasper Place

Long Island City, N.Y.
Thompson Ave. & Orton St.

San Francisco
1850 Mission Street

PREST-O-WELD


The finest money can buy
Guarantee:-
Bonney C-V (Chrome-Vanadium) Wrenches are guaranteed to strip the thread or break the bolt without damage to the wrench.
¶ We will replace, free of charge, any Bonney C-V wrench that does not live up to this guarantee.
BONNEY C-V WRENCHES
SEAL
What kind of wrenches are You using?
BONNEY WRENCHES
Chrome — CV — Vanadium
Recommended by all the leading car manufacturers



You can cut all day with a Prest-O-Weld blowpipe

OPERATORS know the convenience of a well-balanced blowpipe, if there is much cutting to be done. The Prest-O-Weld blowpipe is light in weight and balance has been achieved by careful study of blowpipe design and of materials of construction.

But the Prest-O-Weld cutting blowpipe is also rugged, for Oxweld engineers are thoroughly familiar with the severe treatment that cutting blowpipes receive.

Another feature that makes for easy operation is the cutting valve. It is a plunger type valve, so placed that it can be operated without moving the heating flame. It does not leak and is easy to operate because it closes with the gas pressure.

Finally, Prest-O-Weld blowpipes have one piece nozzles made of copper alloy. The high heat resistance and conductivity of this material prevent the overheating and burning of the tip.

Prest-O-Weld is good apparatus, reasonably priced, and is sold by jobbers everywhere.

Price of C-101 cutting blowpipe with 4 nozzles . . $42.00
Prices slightly higher on Pacific Coast.

OXWELD ACETYLENE COMPANY
Unit of Union Carbide and Carbon Corporation

Chicago
3642 Jasper Place

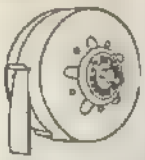
Long Island City, N.Y.
Thompson Ave. & Orton St.

San Francisco
1050 Mission Street

PREST-O-WELD

OTHER BOSCH AUTOMOTIVE NECESSITIES

BOSCH SHOCK ABSORBER



BOSCH ELECTRIC WINDSHIELD WIPER

DOUBLE VISION

BOSCH SPARK PLUGS

BOSCH IGNITION FOR FORDS

BOSCH UNIVERSAL IGNITION COIL

BOSCH MAGNETO and GOVERNOR for FORDSONS

BOSCH AUTOMATIC GAS SIGNAL

direct

Your customers want the safety that a Bosch Traffic-Tuned Horn will bring them. They gladly pay the price for a distinctive warning horn which is dependable.

The Bosch Traffic-Tuned Horn is quicker, more direct and its low pitched penetrating note easily pierces all surrounding noises. This American Bosch Magneto Corporation product instantly gives maximum volume with a tap on the button. It's the warning horn to feature for more and better sales. Now made in a complete line of straight and curved models to meet all trade demands. Ask your accessory supplier or write direct.

Straight Models $18, $12.50, $6.80
Curved Models $25 to $30

AMERICAN BOSCH MAGNETO CORP.

Main Office and Works, Springfield, Mass.
Branches: New York, Chicago, Detroit, San Francisco

BOSCH HORN

BOSCH RADIO receivers are noted for their tone quality, beauty of appearance and simplicity of operation. Wide range of selection is had in 5, 6 and 7-tube receivers, two cone type reproducers and a range of power units.

BOWSER

Personality!

Some pumps are just glass, brass and steel-painted . . . But Bowser pumps all have *personality* — the thing that attracts trade and helps bring it back!

. . . Accurate; good-looking; well-proportioned; mechanically right; exceptionally fast, and in addition, commanding attention and interest—that's an exact description of Bowser's masterpiece — Square Sentry—the "bell ringer" among pumps—so named because it rings a bell at every gallon pumped . . . Square Sentry has looks, speed and sturdiness—personality plus!

. . . For details as to delivery dates and prices, ask any Bowser man, or write the home office—Dept. 52, please.

Owning your own gas pumps and oil outfits pays big dividends in satisfaction, as well as in money—ask us!

S. F. BOWSER & COMPANY, Inc.
Pump and Tank Headquarters
FORT WAYNE, INDIANA.

spring!

The season of new car owners

New drivers, and old timers as well!

SPRING—with the public on wheels—should stimulate dealers to merchandise *every* profitable and worthwhile automotive accessory.

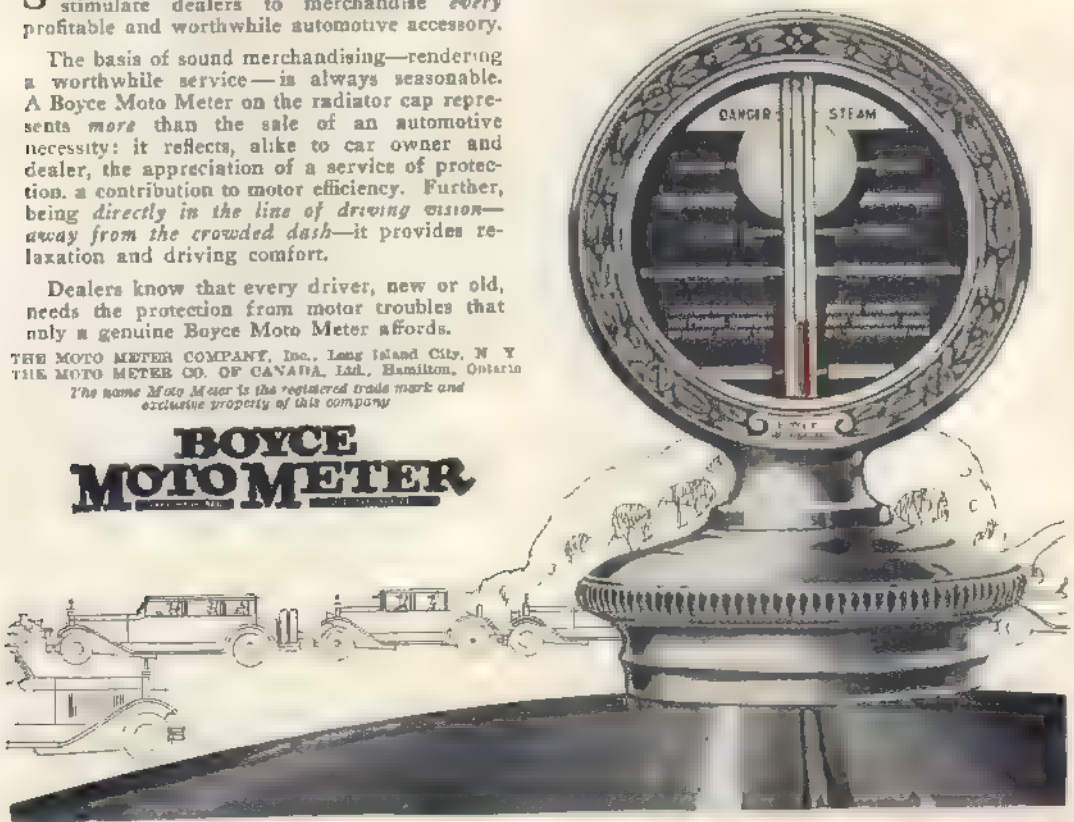
The basis of sound merchandising—rendering a worthwhile service—is always seasonable. A Boyce Moto Meter on the radiator cap represents *more* than the sale of an automotive necessity: it reflects, alike to car owner and dealer, the appreciation of a service of protection, a contribution to motor efficiency. Further, being *directly in the line of driving vision—away from the crowded dash*—it provides relaxation and driving comfort.

Dealers know that every driver, new or old, needs the protection from motor troubles that only a genuine Boyce Moto Meter affords.

THE MOTO METER COMPANY, Inc., Long Island City, N. Y.
THE MOTO METER CO. OF CANADA, Ltd., Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company

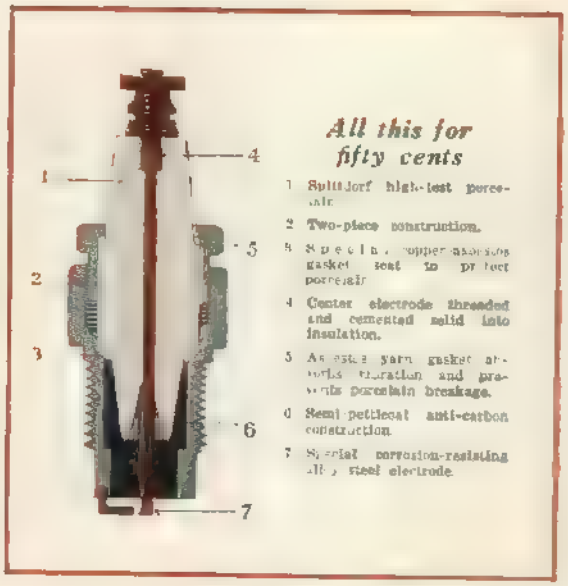
BOYCE MOTOMETER



ON THE RADIATOR CAPS OF MORE THAN 10,000,000 MOTOR CARS

When you "*tune up the engine*"

remember that Splitdorf Spark Plugs are great little engine tuners!



All this for fifty cents

1. Splitdorf high-test porcelain
2. Two-piece construction.
3. Special copper-asbestos gasket seat to protect porcelain
4. Center electrode threaded and cemented solid into insulation.
5. Asbestos yarn gasket absorbs vibration and prevents porcelain breakage.
6. Semi-petticoat anti-carbon construction.
7. Special corrosion-resisting alloy steel electrode.

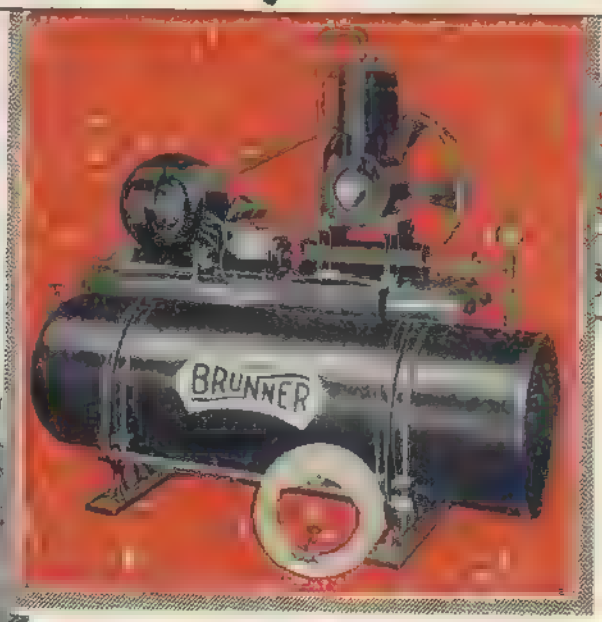
ONE new plug may make one cylinder fire better, but it won't put the vim and vigor into the motor that a full set of Splitdorf Plugs do. You can't "tune up" a fiddle with one string or an engine with one plug. A motor with a collection of spark plugs—all kinds, all ages—will sound a sour note somewhere. Spark gaps vary, carbon is thicker on some plugs than on others—firing is bound to be irregular.

To get the sweet-running, pick-up-and-go performance that a motorist looks for after a tuning up, replace all his old plugs. Put in a new set of Splitdorf Spark Plugs. You can do it because Splitdorf has made a price of only fifty cents on all Splitdorf Plugs—high-grade, first-quality plugs—absolutely dependable, perfectly uniform and exceptionally durable—every one of them. There's a type for every engine. All plugs tested at the factory for mechanical and electrical perfection.

For Fords there are four Splitdorf Spark Plugs in a special carton that retails for $1.75. Here's a ready money-maker—a short cut to a big volume of Ford replacement business. Splitdorf Electrical Company, 392 High Street, Newark, N. J. *Subsidiary of Splitdorf-Bethlehem Electrical Company.*

Reg. U. S. Pat. Off. TRADE SPLITDORF MARK ESTABLISHED 1858

Try this on your Used Cars



Brunner Model 967

If you have a line-up of used cars that's beginning to get on your nerves, here's a profitable way to move them

Spray paint them and mark the price up $40 00 or $50.00. It's been tried and proven. If a car is priced too cheap and *looks* cheap, nobody wants it. But give it a fair price and a good appearance and it's bound to sell. Many dealers have found this not only the most effective way of unload ng used cars, but have built up a profitable paint shop business as well.

The model 967 unit will furn sh dependable air service for your paint spray guns in addition to inflat ng tires and operating valve grinders and engine cleaners.

An instructive booklet "Spray Painting the Automobile", has been prepared. It is full of profit pointers and shows complete Brunner equipment. Send for it.

BRUNNER MANUFACTURING CO.
UTICA, N.Y.

San Francisco Kansas City, Mo.
Toronto, Ont.

The New Brunner Model 300 Spray Paint Gun

BRUNNER AIR COMPRESSORS

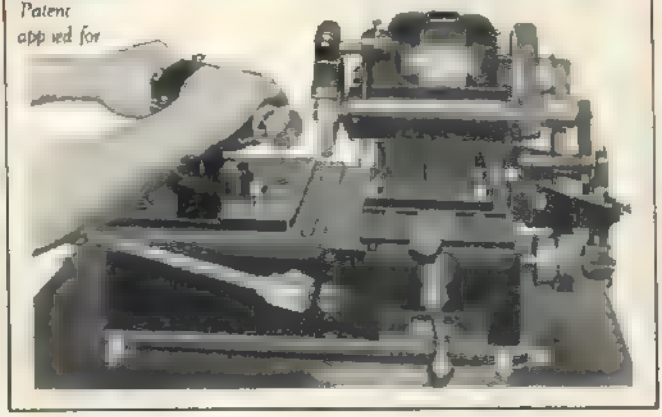
BRUNNER MFG. CO
Utica, N Y
Gentlemen, Dept. A. T. J.
Please send me the Brunner Catalogue and Paint Spray Folder
Name
Address

VALVE FACE GRINDING MACHINE

with the NEW Sioux Roller Chucking System

No. 650 Net price complete **$160**

Patent app'ed for



Your Jobber Sells It.

With its NEW roller chucking system—the Sioux Valve Face Grinding Machine is now more firmly established than ever as the most advanced and perfected machine of its kind—new standards of simplicity, accuracy and speed on valve work. When the chuck is tightened, the rollers, with their long firm gripping surface, automatically push the valve stem back against the aligner. This assures a perfect alignment and accurate grinding of valve face in proper relation to the valve stem guide hole in the motor. *Guaranteed accurate within .001.* The floating rollers change position on every valve chucked—assuring long life. Capacity 5-16 to 41-64 inch inclusive.

With Sioux equipment you can make valve servicing a source of big income. Its big time savings give you an extra margin on every job. You can also grind valves for other shops at a good profit. Investigate the Sioux before you buy.

ALBERTSON & CO., - - - - Sioux City, Iowa, U.S.A.

SIOUX

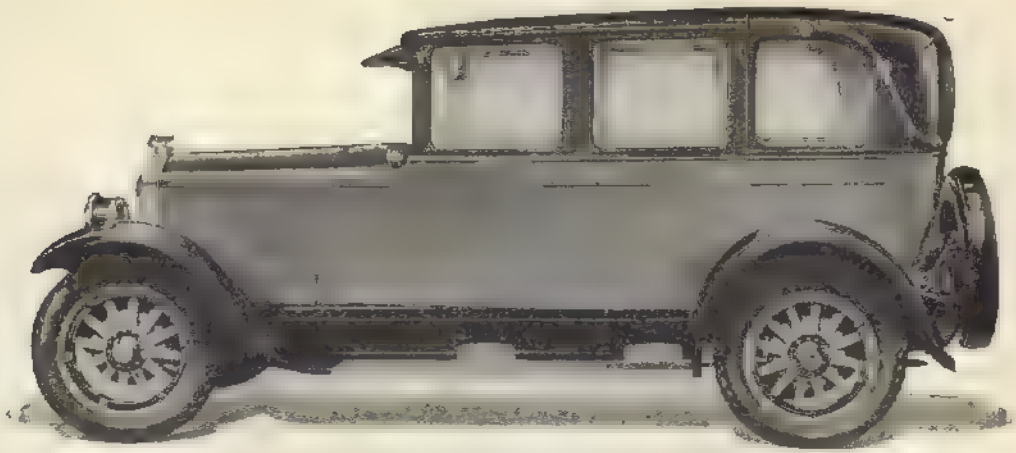
Trade Mark Reg. U.S. Patent Office

PEOPLE are willing to pay extra for Budd-Michelin Wheels—experience has proved that. But here is a significant fact: many manufacturers who formerly charged extra for Budd-Michelin Wheels now offer them at no extra charge. It isn't philanthropy, this kind of value-giving. It's mighty sound proof that Budd-Michelin is making the selling job easier.

BUDD

WHEEL COMPANY

Detroit



New Buick Town Brougham

Illustrating the new Buick Town Brougham which is mounted on the Series 115 chassis which was formerly known as the Standard. This is a four-door de luxe model and carries the same color scheme as the de luxe two-passenger coupe on the same chassis. The upper part of the body, including the top is Delaware green, with the lower part, below the belt, in Yorktown green. The molding is black with double gold striping. Wheels are natural wood, with hubs, brake drums and felloes painted and striped to match the body. The upholstering and trim are mohair plush, colored to harmonize with the body colors. Buick is now designating its models by wheelbase lengths, the Standard being known as the Series 115, the Master as Series 120 and de luxe Master as Series 128

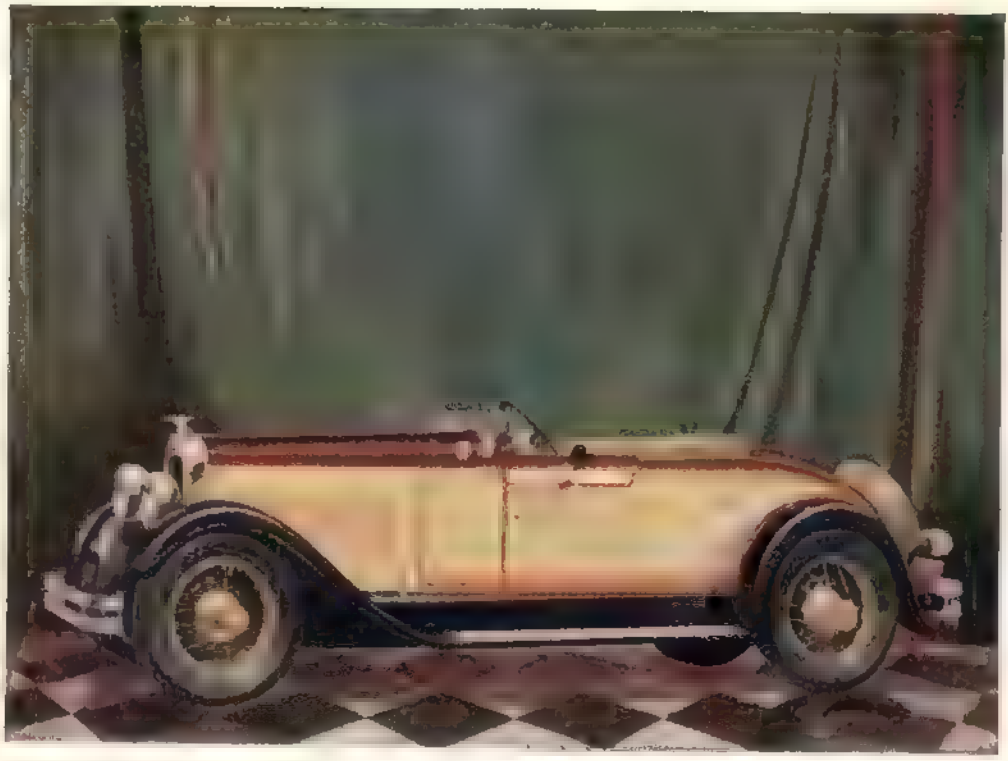
New Sedans on Chandler Big Six

Two new body models on the Standard chassis together with two other new body styles on the Big Six, constitute the additions to the current line for 1927 by the Chandler-Cleveland Motors Corp. The two new models on the Standard Six are a de luxe sedan and two-passenger coupe. The two new body models on the Big Six chassis, a seven-passenger sedan and five-passenger Metropolitan de luxe sedan, are illustrated above. Both of these bodies are of Budd all-steel construction, listing at $1695 and $1895 respectively. Special overstuffed mohair upholstery, side reading lights and silk rope cords are standard on both these models.

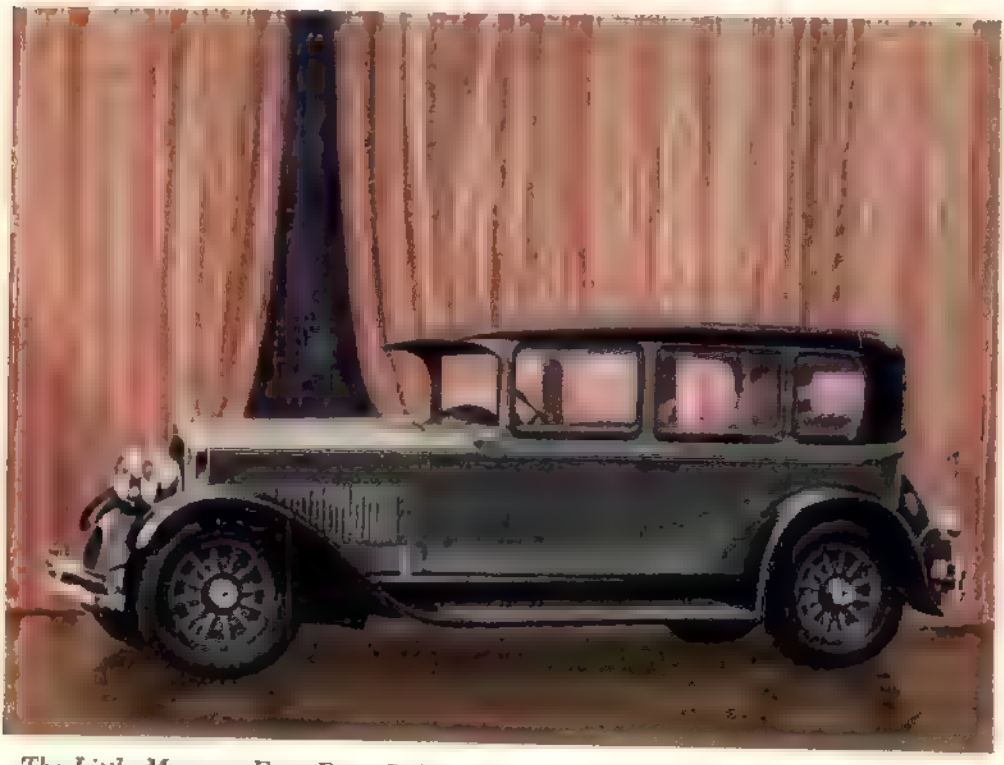
The Little Marmon Four-Passenger Speedster

America's first truly fine small car

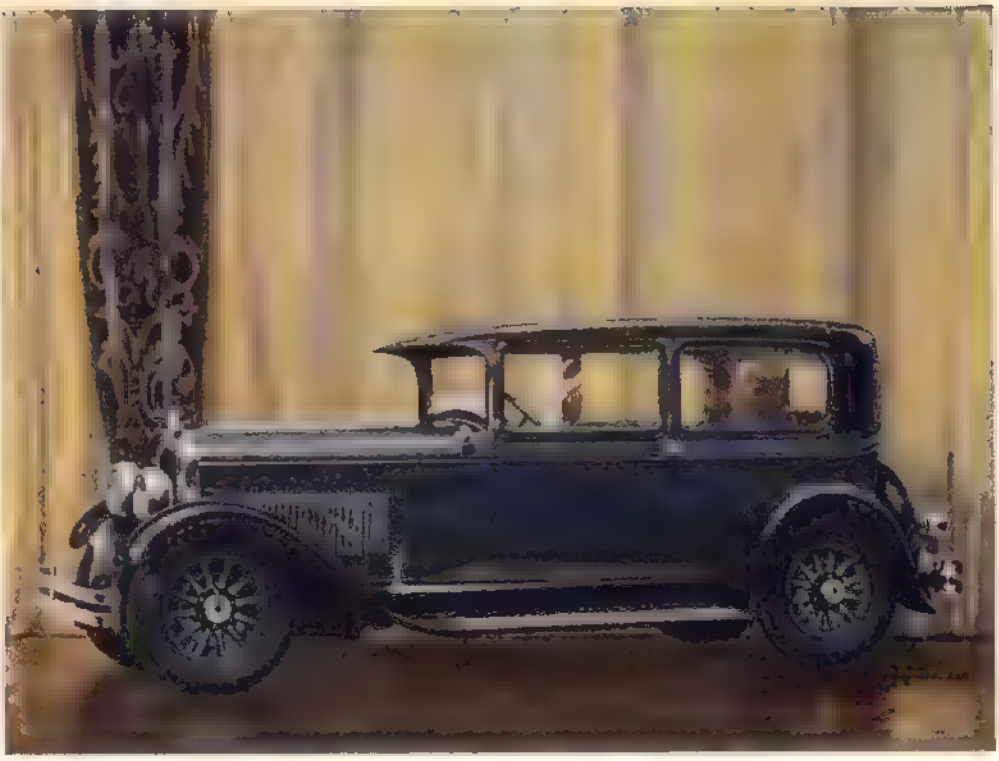
The little MARMON



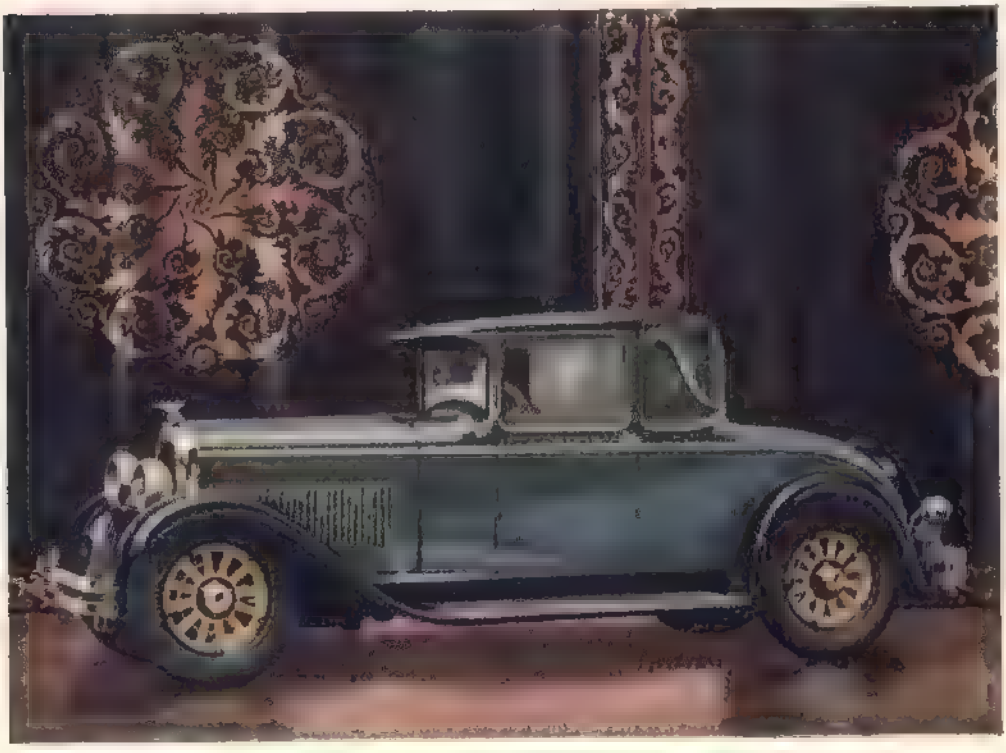
The Little Marmon Two-Passenger Speedster



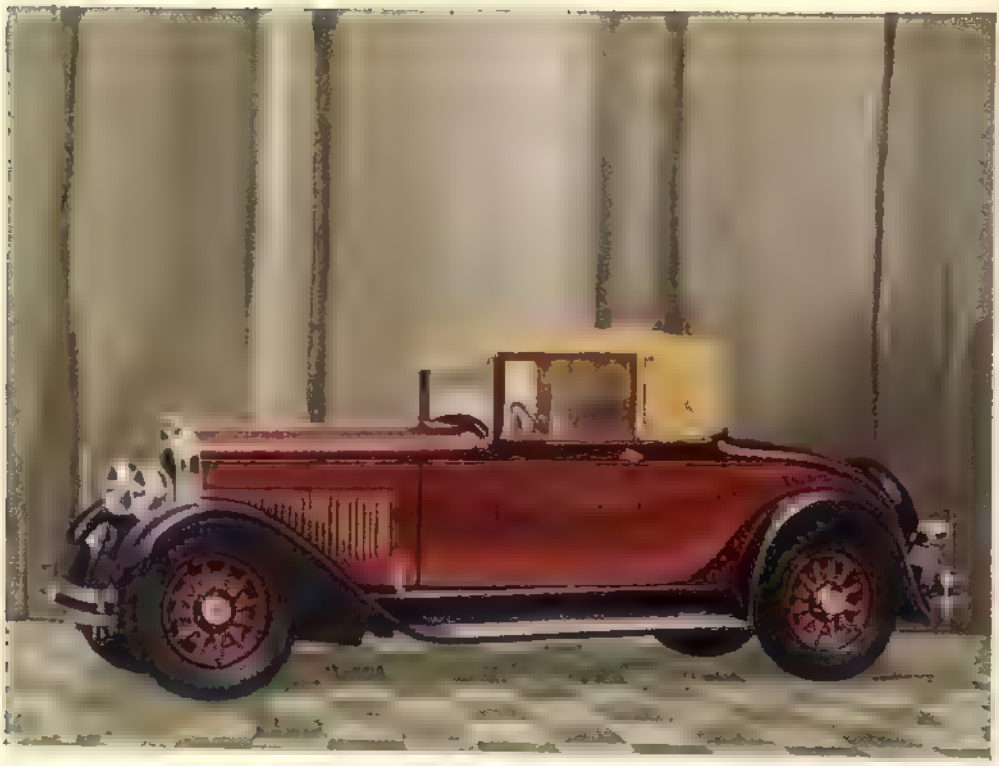
The Little Marmon Four-Door Sedan



The Little Marmon Two-Door Sedan



The Little Marmon Coupe



The Little Marmon Collapsible Coupe-Roadster

New Developments

The Little Marmon engine with 8 cylinders in line is approached by no other passenger car motor built today in horsepower per cubic inch displacement and range of performance. Built by Marmon in Marmon factories to highest precision standards. *The chassis* is unusually low swung but with normal road clearance, due to use of new Hypoid rear axle gears; springs are mounted in new type of rubber insulators which are rattle-proof, trouble-proof, require no lubrication and last a lifetime; 6-inch channel frame, very rigid; self-energizing four-wheel brakes; unusually long, flat, semi-elliptic springs (total length of front and rear springs lack only 22 inches of equaling the wheelbase of the car); 70 honest miles per hour with ease. 18 to 22 miles to a gallon of gasoline.

Prices and Types

The Little Marmon is being produced in six standard body styles: *Two-Door Sedan*, $1795; *Four-Door Sedan*, $1895; *Two-Passenger Speedster*, $1895; *Four-Passenger Speedster*, $1965; *Coupe*, $1895; and *Collapsible Coupe Roadster*, $1995. Prices include Lovejoy hydraulic shock absorbers, front and rear bumpers, electric clock, cigar lighter, automatic windshield wiper and other equipment naturally associated with a truly fine motor car. All prices f. o. b. factory.

The little
MARMON

Companion to the Marmon Series 75

It's Style they want!

and here are the Style

JEWETT FIVE PASSENGER SEDAN

Model 6-45

Leaders of the year!

PAIGE FIVE PASSENGER SEDAN
Model 6-75

...and here's a Style Story that You can Profit by!

YOU'RE about to begin another year. You're wondering what 1927 has in store for you. If you're "in the red" —or if your business has given you only a bare living—you want to see a change for the better in 1927. You want not only a bigger yield from your investment, but *more net profit per car*. That's only reasonable. You ought to have it—and you can get it!

Sign and mail the coupon below and you'll know how within a week

Just to sell more cars next year than you did in 1926 won't help much if you don't get a bigger return. What you need is a line that assures a good volume and at the same time a profit directly in proportion to that volume.

We'll prove that this is such a line—as quickly as you mail that coupon.

If you could tie up to a line that would sell and show a steady growth—if the factory helps you get out of that business every last dollar it should pay you—if the Big Boys at the factory don't tell you you've GOT to take so many cars at a time you can't possibly move them except at a loss—if they don't crowd your territory with dealers so that not one of you can make a good living—if they promptly take care of your customers' complaints—if they continually come through with cars that sell and stay sold —with a sales and service policy that is more than fair—with liberal advertising assistance—you could probably make a *lot more money* next year, couldn't you?

Better mail that coupon NOW —for we've got SOME proposition for the right dealer

You're conscious of the increasing influence of the feminine hand behind the trend of the times. As the police say in a murder mystery: "Look for the woman!" You can make considerably more money next year if you've got a line that satisfies the critical gaze of critical women. You can't fool her with superficial beauty—you can't satisfy her with a cheap car that has been "dolled up"—you have got to have real *style cars*—you've got to have genuine *smartness, undeniably good taste* real *style leaders*

The sooner you mail that coupon, the sooner you'll know to what lengths we've gone to satisfy the whimsiest of feminine whims!

But, man—we can't begin to tell you on this single page what a wonderful proposition we've got for the right kind of dealers who are looking for bigger and better business in 1927. You may be too late—but please don't *assume* that you are. The only way you can definitely find out whether your territory is open is to get in touch with this factory. It only takes a minute to fill out and mail that coupon—and in fairness to yourself, your family and your children (as, if, or when any!) you ought at least learn the complete details about our proposition before being *too sure* that you're making all the money you might make in the automobile business. Do it now—get that coupon off in tonight's mail. It may give you a brand new lease on life

. . .

Ample Financial Strength... World-wide Dealer Organization... One of the Newest and Finest Plants in the Industry.. 17 Years Under One Management, Building Fine Cars Exclusively... Never Reorganized—Never Refinanced

Do It NOW . . . . . !

PAIGE-DETROIT MOTOR CAR CO.,
Detroit, Michigan.

Gentlemen:

Without obligation, you may send me information about the Paige-Jewett franchise

Name

Address

PAIGE & JEWETT *SIXES*

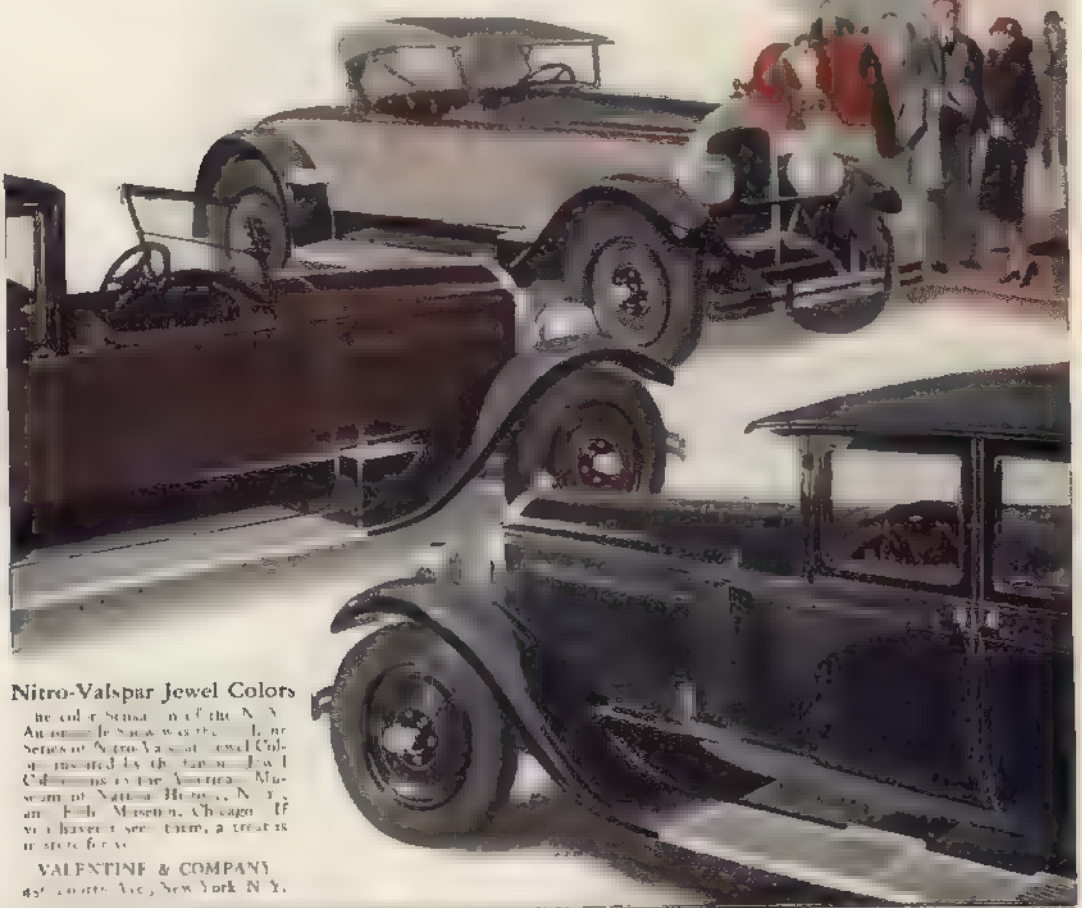
LITHOGRAPHED IN U.S.A.
THE FRANKLIN OFFSET CO., DETROIT

The finest PACKARDS *ever built are finished with*

NITRO-VALSPAR

A TRIUMPH in automotive engineering, body designing and color harmony—*the new Packard*. A triumph in automobile finishes—*Nitro-Valspar*. And these two great achievements are linked together for every Packard is finished with Nitro-Valspar from bare metal to final finish.

This Valspar *all-lacquer* finish actually costs you less to apply than the ordinary lacquer over *all-type* undercoats! Nitro-Valspar means less delay, less overhead, better satisfied customers.



Nitro-Valspar Jewel Colors

The color sensation of the N. Y. Automobile Show was the [illegible] Series of Nitro-Valspar Jewel Colors inspired by the famous Jewel Collections in the American Museum of Natural History, N. Y., and Field Museum, Chicago. If you haven't seen them, a treat is in store for you.

VALENTINE & COMPANY
452 Fourth Ave., New York, N. Y.

CADILLAC'S program of 50 Body Styles and Types in 500 Color and Upholstery Combinations was the first genuinely new note in motor cars in five years. It made the motor car once again a thing of personal pride and individual distinction.

But color and body variety are not the only new and finer elements in this new Cadillac. In every performance detail; in speed and power; in value and dependability it surpasses any former Cadillac.

Proof of this is found in the fact that the demand for the new 90-degree, eight-cylinder Cadillac is far greater than that of all other cars at its price, or over, put together.

All eyes are focusing on the great new

CADILLAC

8-90

Priced from $2995 upward, f. o. b. Detroit

NEW 90 DEGREE

CADILLAC

DIVISION OF GENERAL MOTORS CORPORATION

CADILLAC and LaSALLE

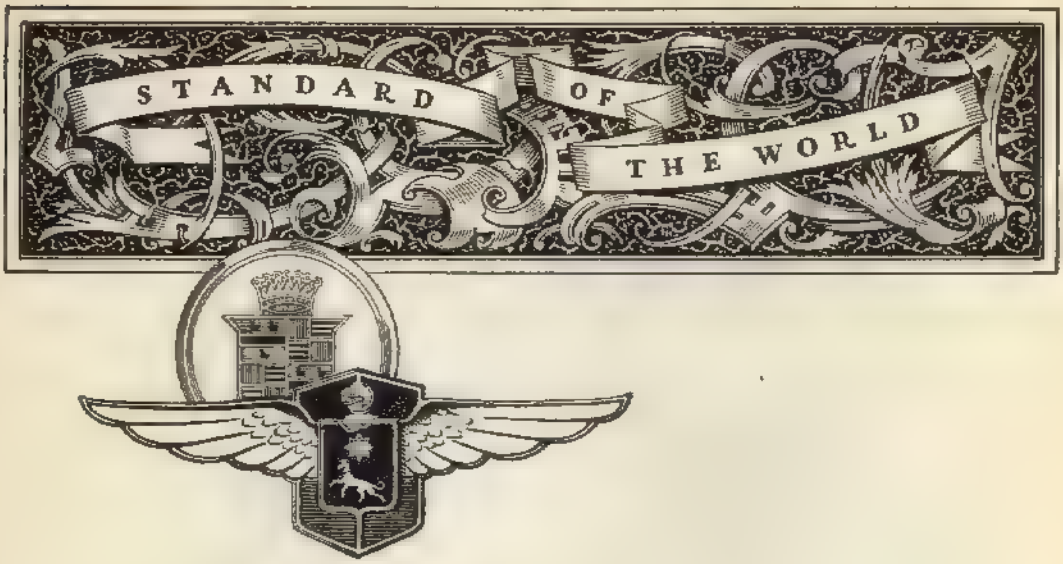
the two strongest selling fine cars

The LaSalle greatly widens the circle of prospects for a car of Cadillac calibre. It gives the Cadillac-LaSalle dealer the important advantage of selling the two most popular fine cars on the American market—and thus achieving a volume heretofore without parallel in fine car merchandising. To serve its greatly extended field, the Cadillac Motor Car Company finds it desirable conservatively to expand its dealer organization. The men whom we desire to associate with the Cadillac organization are sound, aggressive merchandisers of adequate financial standing, and of permanent ability to realize the full profit possibilities of this outstanding double franchise. Please write confidentially to your nearest Cadillac distributor or to the Sales Department at the Cadillac factory.

CADILLAC MOTOR CAR COMPANY

Detroit, Michigan *Oshawa, Canada*

Division of General Motors Corporation



Unparalleled sales volume in fine car merchandising

Never, before the advent of the LaSalle, has an automobile merchant been able to achieve anywhere near equal high volume sales in the fine car field.

The greatest value of the Cadillac-LaSalle franchise lies in the fact that these two cars are the two fastest-selling cars in the fine car field.

The LaSalle has already achieved a dominance of its particular field as overwhelming as that of Cadillac among the cars of still higher price.

The number of prospects in any given territory has been greatly increased by the LaSalle, with the result that the Cadillac Motor Car Company is now welcoming a very limited number of new dealers.

Those to be considered are sound, aggressive business men with adequate capital or bank credit, and with the stability to cultivate their territory permanently to greatest profit advantage. For further information, write your Cadillac distributor or direct to the Sales Department, Cadillac Factory.

CADILLAC MOTOR CAR COMPANY

Detroit, Michigan *Oshawa, Canada*

Division of General Motors Corporation

The Most Stable Market for Automobiles

It is one of the particular merits of handling such cars as the Cadillac and the LaSalle, that even in the poorest time their dealers never reach the lowest valleys in sales volume.

The people who buy such cars as these always have money to buy new cars when they need them. They constitute the richest, safest, most stable market.

This is always particularly the situation with Cadillac and LaSalle, because of their leadership in design, in chassis engineering and in value. Because of these attributes, and because of public confidence in the Cadillac name, they are enjoying extraordinary sales success and will continue to enjoy such success.

CADILLAC MOTOR CAR COMPANY

Detroit, Michigan *Oshawa, Canada*

Division of General Motors Corporation

HAVE you ever analyzed why it is that of all the fine cars in the world, Cadillac is almost invariably relied upon where there is real need for dependability and durability?

On the boulevards of the world—and also in the rugged and difficult places of the world—you find Cadillacs—providing in the one case the very finest of luxurious motoring and in the other an incomparable regularity of service—in each case, and in all cases in between, delivering to owners the utmost in service and in value. On that basis Cadillac reputation and standing are secure—for these reasons Cadillac is, today, outselling all cars, at or above its price, by two to one.

The great new Cadillac is outstripping its field—for the sole reason that the things it does, the way it does them, and how little it costs to do them—make it the choice of careful, critical buyers everywhere.

$2995 and upward, f. o. b. Detroit

NEW 90 DEGREE

CADILLAC

DIVISION OF GENERAL MOTORS CORPORATION

CARBURETER

Inspection, Inspection, Inspection

Every fourth man in the Carter plant is directly concerned in inspection. Materials, operations, parts, and assemblies are inspected, inspected, inspected. There is checking and rechecking of inspections wherever vital.

To begin with, the plain-tube principle pioneered by Carter, and developed through fifteen years, is basically suited to uniform precision production, free from difficultly controlled variables. Then too, Carter is particularly noted for strict preparation and enforcement of specifications. Finally, each carbureter is individually tested on the exact type of engine to be served, and leaves the plant with a permanent record tag, so that if any exception to the rule of precision ever occurs, it can be traced down unerringly.

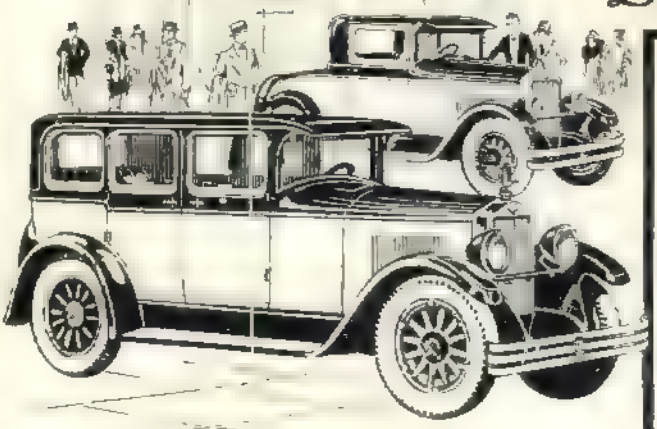
Such a product, backed by intimate field co-operation and by the resources of American Car and Foundry Company, deserves its place as standard equipment on more than a million cars a year.

CARTER CARBURETOR CORPORATION, SAINT LOUIS

Long Life

LONG VELIE LIFE

Beauty—Individuality



Features not found at its price in any other fully equipped 6-cylinder, Four-door Sedan with 56-inch tread

1. The most powerful car at the price.
2. Only valve-in-head motor in any car priced under $1200
3. Only motor with forced pressure lubrication to valve mechanism
4. The strongest construction
5. Only motor with Lanchester type vibration dampener.
6. Only radiator capacity of 4½ gals.
7. Only four-wheel Lockheed hydraulic brakes
8. Only car with heat indicator on dash.
9. Only car with 182½ inches of spring equipment.
10. Lowest cost price and weight considered. Velie Sales increasing from 47% to 101% month after month compared to 1926.

A Matchless Sales Opportunity

In the Velie Line you will find every costly car feature . . . yet small car cost. Comparison of Velie Units with competitive cars proves Velie better by a big degree . . . and reinforces the slogan "Long Life." Local newspaper advertising is on a more liberal basis than customary . . . extremely more so. The Velie organization, strongly financed and managed by its owners, will always be a dominant factor among quality car manufacturers.

A full line of automobiles on two chassis, price range $1165 to $1635. Low operating cost and freedom from dealer "service" is assured by exclusive features combined with *over-strength* construction throughout.

Dealers anxious to build upon a solid foundation for the future will find the Velie Franchise invaluable.

Velie Sales Are Increasing From 47% to 101% Month After Month, Compared With 1926

VELIE MOTORS CORPORATION
Moline, Illinois

VELIE

DEALERS AND DISTRIBUTORS

Never before has the Velie Franchise been so valuable. If your territory happens to be open, investigate

More than 1,000,000 a Year

More than one of every five new cars is Carter-equipped. Each year more than a million factory-equipped cars bear tribute to the development of the Carter plain tube principle, and its uniformly proficient results.

As an A.C.F. product, this carbureter has Carter pioneer engineering experience behind it, and also the guarantee and responsibility of the great parent institution—American Car and Foundry Company.

CARTER CARBURETOR CORPORATION, SAINT LOUIS, MISSOURI

CARBURETER

What is better than profits?

No. 7 Duco Polish is the fastest

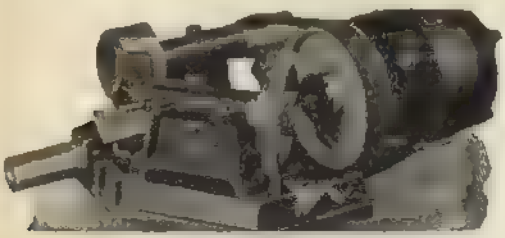
Make it your leader in 1927!

For All Finishes
—Duco and all others

CAN YOU REFACE VALVES PERFECTLY IN HALF A MINUTE?

The Crowe Cupped Wheel Valve Refacer CAN and YOU CAN if there is a Crowe in your shop.

A Crowe makes fun at a tedious job—saves time—does PERFECT work and leaves a good profit on each job.



The CROWE
CUPPED WHEEL
VALVE REFACER

Small cost! Price only $87.50 (terms if desired) and each machine guaranteed.

LISLE MANUFACTURING COMPANY
817 E. Main Street
CLARINDA, IOWA

Send your name on the coupon.

of course—

Lisle Manufacturing Company
817 E. Main Street
Clarinda, Iowa

I want to make a profit on every job in the shop—little or big. Send me more "dope" about the Crowe Valve Refacer.

Name .....

Address .....

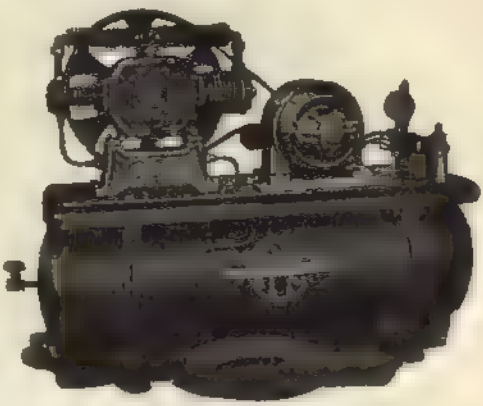
City ..... State .....

The Lisle Manufacturing Co. are also manufacturers of the new Lisle Reliner (worn brake lining remover, lining cutter, reliner and tire chain mender—all in one!—slickest tool you ever saw.

CHAMPION

Automatic Air Compressors

Operates at lower cost per service hour *and will operate more service hours* because Champion Compressors are more ruggedly built and require few, if any, repairs even after years of hard service.



CHAMPIONS are smooth and quiet in operation because of the Rigid Piston Assembly and "ANNULAR BALL BEARINGS."

These features alone make CHAMPIONS dependable and reliable.

Let us mail you our complete catalog full of facts and data why CHAMPION COMPRESSORS serve best—longest.

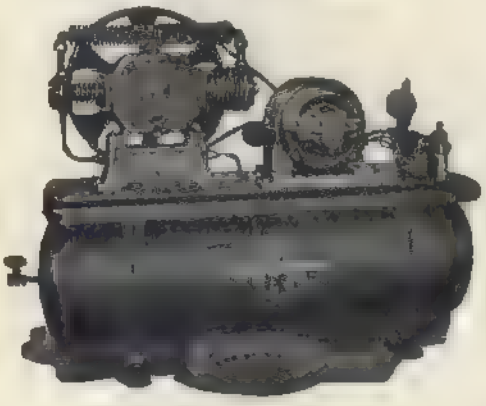
CHAMPION PNEUMATIC MACHINERY CO.

8164 S. Chicago Ave., Chicago, U. S. A.

CHAMPION

Automatic Air Compressors

Operates at lower cost per service hour *and will operate more service hours* because Champion Compressors are more ruggedly built and require few, if any, repairs even after years of hard service.



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These features alone make CHAMPIONS dependable and reliable.

Let us mail you our complete catalog full of facts and data why CHAMPION COMPRESSORS serve best — longest.

CHAMPION PNEUMATIC MACHINERY CO.
8164 S. Chicago Ave., Chicago, U. S. A.

WHEN YOU'RE DISSATISFIED-

get the proposition on this fast stepping pair

Honest quality. There's the secret of the rapid Allbestos growth. More asbestos, special weaving and interlocking of fibres impregnated with waterproof greaseproof, heat resisting compounds to a greater degree—no adjusting under 5000 miles. These are what make Allbestos Brake Lining and Ford Blue Transmission Lining GROW!

Through its word-of-mouth reputation, Allbestos gets off on a flying start in any neighborhood. Backed by real dealer helps. If you're dissatisfied with returns from your present lining, let the Allbestos reputation speed up your turnover. If your jobber can't give you details write us direct.

THE ALLBESTOS CORP., PHILADELPHIA, PA.

Allbestos

BRAKE LINING & FORD BLUE TRANSMISSION LINING

It takes less money to install a

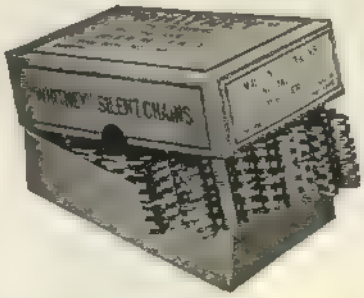
Westinghouse Rectigon Battery Charger

and still less to keep it in operation

Ask us about it

WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY

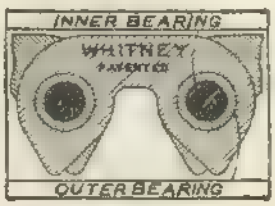
South Bend, Indiana



PREPARE NOW—

To take care of SPRING REPAIRS. No single wearing part is more vital to the smooth, sweet-running motor than the TIMING CHAIN.

NEARLY ANY NEW CHAIN will tone up the car's performance, but a really *satisfactory* job requires a chain with many thousands of miles of potential service built into it. With a bearing surface practically double that of other silent chains, the joint construction of



"WHITNEY" SILENT CHAINS

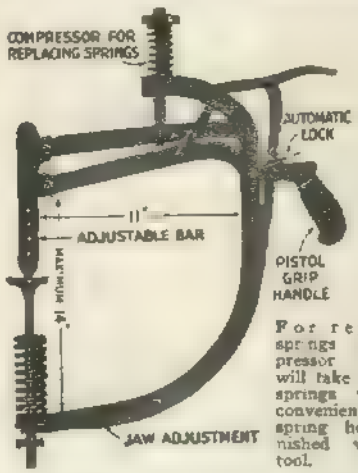
insures an installation of reliability and permanence, and the chain usually outlasts the car itself.

Ask Your Jobber or Write

THE WHITNEY MFG. CO.
HARTFORD CONN.

For Trucks and Busses

HEAVY DUTY **K-D** VALVE SPRING COMPRESSOR



For replacing springs the compressor attachment will take all sizes of springs which are conveniently held in spring holders furnished with each tool.

Tells Its Own Story

One glance will convince any mechanic who has wrestled with the removal of valves on a heavy motor that this new K-D Heavy Duty Compressor is the answer to his difficulty.

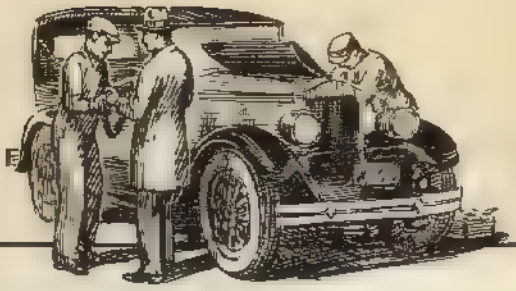
With its Pistol Grip Handle, its sturdy construction and apparent ease of operation, this new K-D Tool takes rank as indispensable in the tool kit. For it either removes or replaces the valve springs—quickly and easily—a wonderful saving of time, i.e., labor cost. This able-bodied K-D Compressor costs $7.50. It will pay you to own at least one.

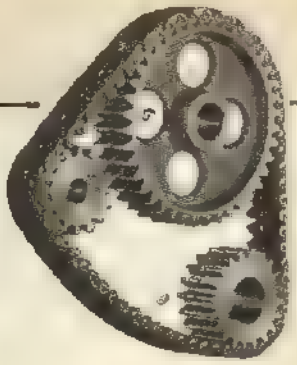
K-D MFG. COMPANY
Lancaster, Pa.

Export Department
Woolworth Bldg., New York City

Manufacturers of
K-D Universal Valve Spring
Lifter for all L-Head Motors
K-D Brite-Steel Washers
K-D Hack Saw Frames

K-D HEAVY DUTY VALVE SPRING COMPRESSOR





When you're overhauling replace timing chains!

When you're cleaning carbon, grinding valves or honing cylinders ask about timing chains. Ask them if the motor's losing pep . . . lagging on hills or slow to pick up in traffic. Suggest timing chains. Show them how Duckworth Silent Timing Chains will bring back that lost pep and give them a new motor. Tell them why Duckworth Chains will last twice as long as the ordinary timing chain because of its different construction.

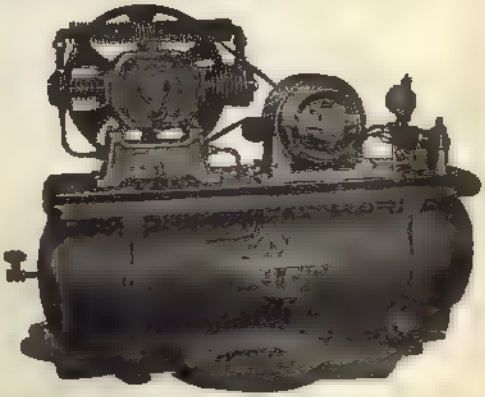
Send for the Duckworth Timing Chain Manual. It will give you some real, selling arguments. Write Duckworth Chain and Mfg. Co., Springfield, Mass., or F. C. West Co. in Chicago.

DUCKWORTH
Silent Chains

CHAMPION
Single and Two-Stage
AIR COMPRESSOR

features you should know about—

Ball-bearing Main Bearings
One-piece Cylinder and Head Casting
Rigid Piston Assembly
Trouble-proof Plate Valves
Non-pulsating Check Valves
Automatic Pressure Unloader
Automatic Controller
Sliding Motor Base
Ventilating Intercooler
Positive Oiling System
Patented Filtering Trap
Fan Blade Flywheel



— write for complete catalog that tells more —

Champion Pneumatic Machinery Company
8164 S. Chicago Ave. **Chicago, U. S. A.**

Now 4th of World's Great Companies

Such Sweeping Public Endorsement of Chrysler Standardized Quality Cars Makes Chrysler Franchise Most Desirable Asset

Chrysler is fourth in dollar volume of sales in the industry. Once more the general public has proven that it will always seek out the individual operator who disregards outworn principles and practices and brings them something unmistakably new, unmistakably progressive, and unmistakably superior in service.

This sweeping public endorsement of Chrysler together with the fair dealer policies of the strong Chrysler organization makes the Chrysler franchise—with its four great lines of cars ranging from $750 to $3995, to cover the four great quality car fields—one of the most desirable and eagerly sought dealer connections in the industry.

CHRYSLER

41 Cars Enter International 500-Mile Indianapolis Race

11 Front Drives and Duesenberg Specials, With Offset Engine, Feature Annual Race—Fernic of Roumania With Bugatti, Lone Foreign Entrant

FEATURED by the initial appearance of the newly designed Duesenbergs with offset engines and propeller shaft, 41 racing cars of 91½ in. displacement will compete in the Fifteenth Annual 500-Mile International Sweepstakes over the 2½-mile brick track at Indianapolis, on Memorial Day, May 30.

While it is the biggest entry list since 1919 there is but a slight taste of international flavor with only one foreign driver competing, he being George G. Fernic of Roumania, who has entered a Bugatti and will make his first appearance on an American track.

While the majority of cars will make their first appearance of the season before the crowd of probably 150,000 spectators, the racing qualities and make-up of the cars are known. There are several "dark horses" which include the four Cooper front wheel drive specials, the front wheel drive car entered by Tommy Milton and the new Duesenbergs. By offsetting the engine and propeller shaft, it permits the driver in the Duesenbergs to sit alongside of the shaft instead of over top, thus permitting him to be lower to the ground, which lends toward driver safety.

Never since the start of the series of races inaugurated by Carl Fisher, has there been a sure prediction as to the winner. Starting with engines of 600 cu. in. displacement down to the present type of 91½, speed records have been established and the mark of 101.13 miles per hour, made by Pete De Paolo in 1925, stands as a record to shoot at by the thirty-three drivers who will face the starter.

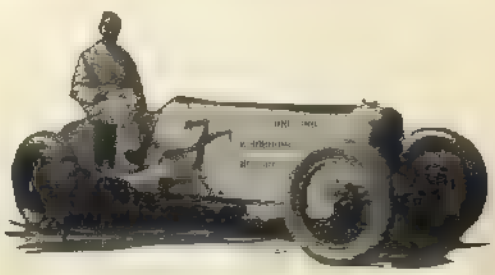
Last year was the first time for the 91½ jobs to compete at Indianapolis, and Frank Lockhart, the youth from the Coast, set the pace after a 100 miles until the race was called at 400 miles due to rain. Lockhart's

(Turn to page 58, please)

14 Previous Winners

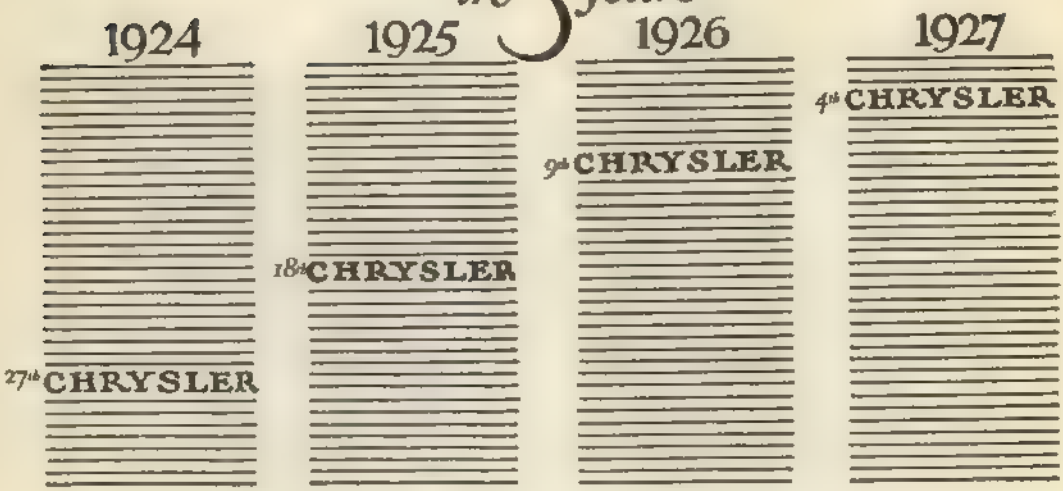
Year	Car	Driver	M.P.H.
1911	Marmon	Ray Harroun	74.59
1912	National	Joe Dawson	78.7
1913	Peugeot	Jules Goux	76.92
1914	Delage	Rene Thomas	82.47
1915	Mercedes	Ralph De Palma	89.84
1916	Peugeot	Dario Resta	83.26
1919	Peugeot	Howard Wilcox	83.06
1920	Monroe	Gaston Chevrolet	88.50
1921	Frontenac	Tommy Milton	89.62
1922	Murphy Special	Jimmy Murphy	94.48
1923	H. C. S. Special	Tommy Milton	90.95
1924	Duesenberg Special	Corum-Boyer	98.24
1925	Duesenberg Special	Pete De Paolo	101.13
1926	Miller Spec.	Frank Lockhart	*94.63

*Race halted at end of 400 miles due to rain.



Left: Three of the outstanding drivers—Lockhart, Hartz and De Paolo. Right: Dave Lewis with his front drive and winner of the 200 mile race at Hammonton, N. J., May 7

27th to 4th place in 3 years



TO REALIZE fully the increasing public preference for Chrysler, which has swept Chrysler from 27th to 4th place in three years, study Chrysler retail sales in any territory and contrast them with those of a year ago, and the year before that. You can only arrive at one conclusion—there is greater profit for you in satisfying this tremendous public enthusiasm for Chrysler.

CHRYSLER

Why Not?

—eliminate returns, cut servicing to a minimum, assure customers the utmost satisfaction and make *real profits?*

All this and more the Complete Grebe Line will do for you.

Get the facts—in Booklet AJ

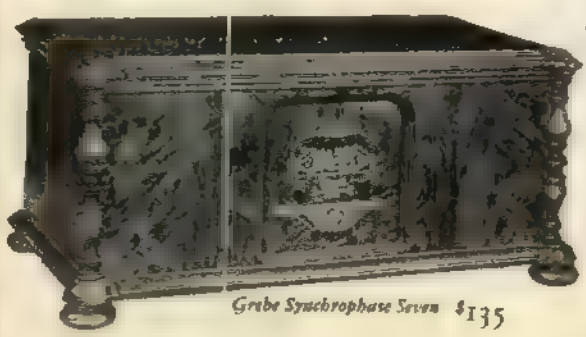
A. H. Grebe & Company, Inc.
109 West 57th St., New York City
Factory: Richmond, Hill, N. Y.
Western Branch.
443 So. San Pedro St., Los Angeles, Calif
Makers of quality radio since 1909

Grebe Natural Speaker $35

Grebe Socket Power Type 671-B "B" and "C" Supply (less tube) $50

GREBE SYNCHROPHASE RADIO

TRADE MARK REG. U.S. PAT. OFF.



Grebe Synchrophase Seven $135

The Synchrophase—a One-Dial Receiver

Grebe Flexible Unit Control

makes the Synchrophase a set [illegible] to either the [illegible] at your option

THE demand for simplicity of control is met by the Synchrophase with its *Flexible Unit Control.*

This makes the Synchrophase a one-dial control receiver. But it does not destroy the great advantage of individual dial setting for very fine tuning, especially for distance reception.

This valuable quality, supplemented by the double range of the *S-L-F Condensers*, offers you a most convincing selling point.

But do not forget the other exclusive Grebe advantages—*Binocular Coils, Colortone, Low-Wave Extension Circuits.*

Send for Booklet AJ which fully explains these and shows how they produce the reception for which Grebe sets are noted.

A. H. Grebe & Co., Inc., 109 W. 57th St., New York

Factory: Richmond Hill, N. Y.

Western Branch: 443 So. San Pedro St., Los Angeles, Cal.

This illustrates the double range of the S-L-F Condenser dials which make it easy to separate stations, especially those using low-wave lengths.

This Company broadcasts through stations 2 XG and WBOQ

The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.

ALL SET FOR 1927?

U. S. Air Compressors, all types and sizes, are being ordered for garages, filling and service stations from every part of the country.

Hydraulic, high pressure car washing equipment is being stocked in anticipation of a doubled demand for these highly efficient units.

U. S. Paint Spray Equipment bids fair to sweep the market.

Wherever U. S. Equipment was used in 1926 the operator made a handsome profit. Give us your order now for present or future deliveries. U. S. Equipment is ready to run when you receive it; guaranteed for years of continuous service.

THE UNITED STATES AIR COMPRESSOR COMPANY
5302 Harvard Avenue
Cleveland, Ohio

Export Address Fisk Bldg New York City
Cable Address AIRPRESSOR
All Codes

Products that Sell

YOU can safely buy Grebe products because they sell readily, make good and build prestige for you. They return a real permanent profit, for they very rarely require servicing after installation.

Grebe dealers know it pays to handle the complete Grebe line.

Write for Booklet A-J and complete information about

The Grebe Synchrophase Seven

and the new developments that bring better tone, selectivity and distance reception:

1 Controlling Dial—8-point tuning drive which operates the 5 condensers in unison and maintains the perfection of the factory adjustments; seven tubes that actually control tone volume and distance—the new Grebe tuned isolating circuits that give greater selectivity, better reception of low waves and really excess [illegible] sealed rigid wiring that is completely shielded; Litz-wound Binocular Coils that make high waves as strong as low ones—cabinet of butt grain walnut with panel in French marquetry of exquisite design and workmanship

The Grebe Synchrophase Five

with special features that provide exceptional tone, selectivity and distance, one, two or three dial control at will; power tube operation; Colortone, complete station coverage; Litz-wound Binocular Coils

The Grebe 20-20 Cone

reproduces with full tone color, the complete range from highest to lowest notes, made 20 inches in diameter and 20 degree angle to prevent internal resonances or paper rattles and to radiate the lower frequencies that give quality reproduction

$35

The Grebe Socket Power
Type 671

gives dependable "B" and "C" power supply. It is quiet—self-adjusting—durable, shielded and sealed; has ample voltage for [illegible] tubes for 5 and 7 tube [illegible] and the Grebe Synchrophase Seven.

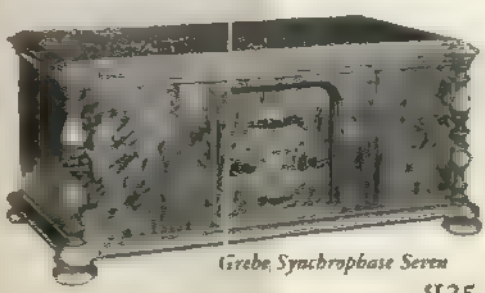
less tubes $50

The GREBE SYNCHROPHASE RADIO

TRADE MARK REG. U.S. PAT. OFF.

A. H. Grebe & Co., Inc
109 West 57th St., New York City
Factory: Richmond Hill, N. Y.
Western Branch:
443 S. San Pedro St., Los Angeles, Cal.

The oldest exclusive radio manufacturer

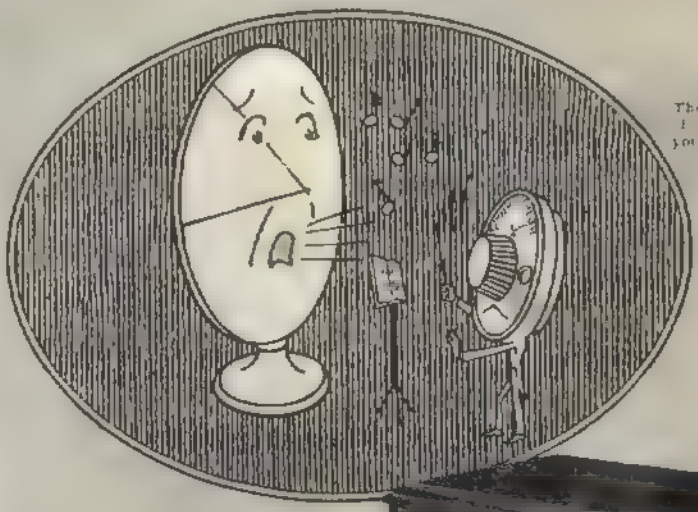


Grebe Synchrophase Seven

$135

Grebe Synchrophase Five

$95



Colortone
The effective governor of tone quality. Gives you control of the loud speaker's voice.

The Synchrophase is also supplied in five beautiful console models

Grebe Tone

~ a Great Selling Point

GREBE tone quality is unexcelled in clarity and naturalness. An easily demonstrated statement hear a Grebe Synchrophase and compare. The ear will decide But tangible reasons also help you convince your trade Grebe design and construction and, particularly, the *Colortone*, an exclusive Grebe development.

Let us tel. you more about it
Send for Booklet AJ

A. H. Grebe & Co. Inc., 109 West 57th St., New York City
Factory Richmond Hill, N. Y.
Western Branch 443 So. San Pedro St., Los Angeles, Calif.
The oldest exclusive radio manufacturer

Flexible Unit Control which makes the Synchrophase a One Dial Controlled Set

The GREBE Synchrophase RADIO

The Company broadcasts through station WABC

Because from heart results

6 Tangible Reasons

why the Grebe Synchrophase Radio Sells Quickly and Stays Sold—

One Dial Control
Colortone
Binocular Coils
S-L-F Condensers
Sound Construction
Minimum Servicing

Booklet AJ explains fully
Send for it

A. H. Grebe & Co., Inc.
109 West 57th Street, New York City
Factory Richmond Hill, N. Y.
Western Branch 443 So. San Pedro St., Los Angeles Cal.

The GREBE Synchrophase RADIO

The Synchrophase is also supplied in five console models.

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The GREBE Synchrophase RADIO

The Synchrophase is also supplied in five console models.

CURTIS COMPRESSORS HOISTS CRANES CAR WASH SYSTEMS PORTABLE COMPRESSOR UNITS

Special "Seasoned" Iron

Used in Curtis Compressors

Curtis makes only compressed air machinery. We operate our own foundries. Therefore, we can and do use a special grade of close-grained pig iron, especially suited for compressed air work. Where a manufacturer buys his castings from a jobbing foundry, the cost of pouring special grades of metal in small "heats" is prohibitive.

Curtis thoroughly cures every casting before assembling, and this is true for the smallest machine as well as for the largest.

This 73-year-old company will not knowingly chance a single unworthy product, harming a reputation which has taken so long to build!

SEE EXHIBITS
New York Show
Booth D-74
Chicago Show
Booths 45 and 46
Balcony

The World Rides on Curtis Air!

CURTIS Pneumatic Mchy. Co.
1913 Kienlen Ave. St. Louis, Mo.
518 B Hudson Term., N Y City
Please send information about Curtis Compressors.
Name
Address

CURTIS COMPRESSORS

CURTIS PNEUMATIC MACHINERY COMPANY, ST LOUIS U S A

"The Name that Stands for STANDARD"

SEASONED shop men who "know tools" pick Walden-Worcester Wrenches because of their *proven durability.*

In the sweat and grease of the service station, where tools are *used,* Walden-Worcester Wrenches last indefinitely—taking punishment that would put ordinary wrenches out of business in short order.

In factory assembly work—the supreme test of wrench stamina—they have established phenomenal records for long life.

Only a true "Quality" wrench could perform the feats of a "Walden-Worcester."

And it is through this known *quality,* based on actual performance, that Walden-Worcester Wrenches have come to be recognized everywhere as *"Standard"*—and as such, preferred by the majority of wrench users in the automotive field.

To select Walden-Worcester Wrenches is to get the utmost in wrench service and economy.

From your jobber. Write us today for Wrench Catalog 12, illustrating complete line of socket wrenches

STEVENS WALDEN-WORCESTER, INC

Manufacturer of Walden-Worcester Wrenches and Stevens "Speed-Up" Tools

Worcester, Mass.

Export Division: 375 Broadway, New York, U.S.A.

$9.35 Net Price

The Hex Nut Set that gets 'em all

Will service any make of car, with the combinations needed for speedy action and work in close quarters. Complete outfit includes:

One long and one short shank Speed Wrench, one long and one short Tee Handle Back Spin Reversible Ratchet Combination Tee and Offset, Plug Connector Extension Bar, Socket Connector Offset Handle, Universal Joint, 10 Hexagonal CHROMF NICKEL Steel Sockets Set No. 28, complete in handy steel case, net price $9.35.

WALDEN WORCESTER WRENCHES — SPEED UP TOOLS

STEVENS-WALDEN-WORCESTER

CURTIS COMPRESSORS, HOISTS CRANES, CAR WASH SYSTEMS, PORTABLE COMPRESSOR UNITS

Expert Core Makers *in Curtis Foundry*

A Curtis Product

from raw material to finished compressor

The great 17½ acre Curtis plant is full of examples of skilled work and of specialized production methods—made possible by Curtis' immense production and 73 years' manufacturing experience.

When you buy a Curtis Compressor and get years of unusually satisfactory service from it, you may not think of the expert core-making, for example, that went into it—yet this is one of the contributing factors to successful compressor building.

Selected iron for compressor castings; poured in our own foundries; especially "seasoned" before use; highly standardized parts assembled with meticulous care; each and every compressor "run in", adjusted, tested and certified, as carefully as if made to order—is it surprising that Curtis Compressors give more service with less servicing?

MAIL COUPON TODAY!

CURTIS Pneumatic Mchy Co.
1913 Kienlen Ave., St Louis, Mo.
518-B Hudson Term., N Y City
Please send me information about Curtis Compressors
Name .....
Address .....

CURTIS COMPRESSORS

CURTIS PNEUMATIC MACHINERY COMPANY, ST LOUIS, U.S.A.

Signed C. W. Nash

THE NASH MOTORS COMPANY

Manufacturers of Nash Cars and Trucks

KENOSHA, WISCONSIN

January 7, 1927.

Mr. Hugh Wood,
Carter Carburetor Company,
St. Louis, Missouri.

Dear Mr. Wood:

We have now been doing business with your company for something over one and a half years, and we have had an excellent opportunity to observe the manner in which you transact your business, and especially as it refers to service; and just at this time I feel it my duty to drop you a line and tell you how much our company appreciates the service policies which you have in your company, and the work you have done in servicing your carburetor among the Nash dealers and distributors.

It seems to me that I know of no company who have had quite as great a vision as your company has had in the manner of laying a solid foundation by rendering service to their product. It is a very unusual thing for a company building an accessory part of an automobile to keep service men traveling continuously throughout the United States, conducting what I choose to call an educational campaign among the dealer body. It seems to me that in handling your business in this manner that you have been not only doing a world of good to the dealer body handling your product, but that you have also been laying an excellent foundation for the future development of your business.

I hope that you will be able to see splendid results obtained by your company through this kind of work.

Very truly yours,

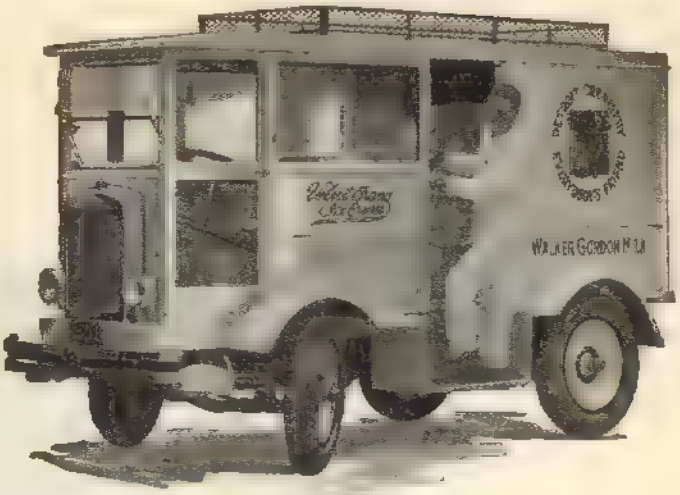
C. W. Nash

President.

CWN:B.

CARBURETER

DRIVES *from*
FRONT SEAT
or EITHER
RUNNING
BOARD



This New-Type Vehicle opens a *New Market* for Car *and* Truck Dealers

NO TRADE-INS

FLEET BUYERS

NO COMPETITION

CLEAN DEALS

DIVCO is the *biggest* sensation sprung in the automotive field in many years! It opens the door to an untouched market! Once again, selling vehicles means PROFITS, not "trade-ins."

Creameries, dairies, laundries, bakeries, department stores —what a tremendous list of *known* prospects! These are fleet buyers who buy DIVCO because it cuts delivery costs in half and is the first vehicle which economically solves the house-to-house delivery problem.

With DIVCO you have no competition. Neither horses, electrics nor trucks can do the things that it does. DIVCO is a mechanical revelation—the last word in efficiency and economy, with the field all to itself. DIVCO brings back the "good old days" when selling cars and trucks meant PROFITS—not "trade-ins."

A FEW FRANCHISES OPEN

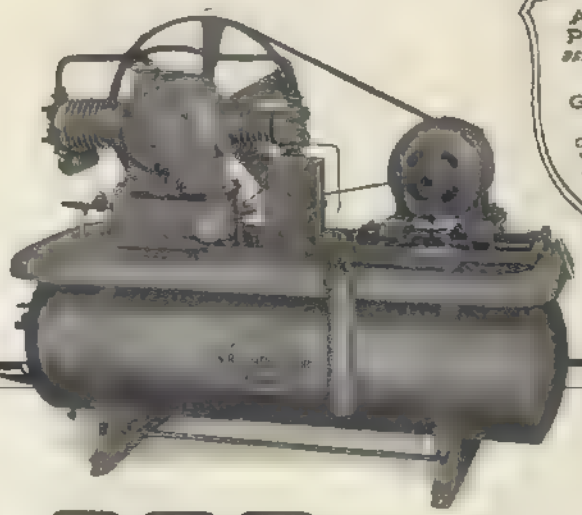
Car or truck dealers who wish to take advantage of this unusual opportunity must act *promptly* as territories are being rapidly closed. Only a few dealers are needed to round out national distribution.

Write or Wire NOW For Details

DIVCO-DETROIT CORPORATION
2435 Merrick at Sixteenth
DETROIT MICHIGAN

DIVCO
GAS DRIVEN VEHICLES

A Master Achievement
after 18 Years *of* Specialization



ABSOLUTE PROTECTION assured by the ECO GUARANTEE BOND
The Strongest Air Equipment Warranty Ever Written

The ECO Air Compressor
GILLE DESIGNED

THE ECO Air Compressor represents the realization of fundamental engineering principles gained by Mr. Gille through his 18 years' experience during which he designed three of the most successful air compressors.

Unhampered by restrictions as to design or new equipment required for its manufacture, the ECO embodies many original and exclusive features necessary for quiet, uninterrupted service. It is the master achievement of automotive air compressors.

As a result you can sell an air compressor backed by the strongest automotive air compressor guarantee ever written. Your trade will be thoroughly protected and profits will be large.

Drop us a line for complete facts and prices.

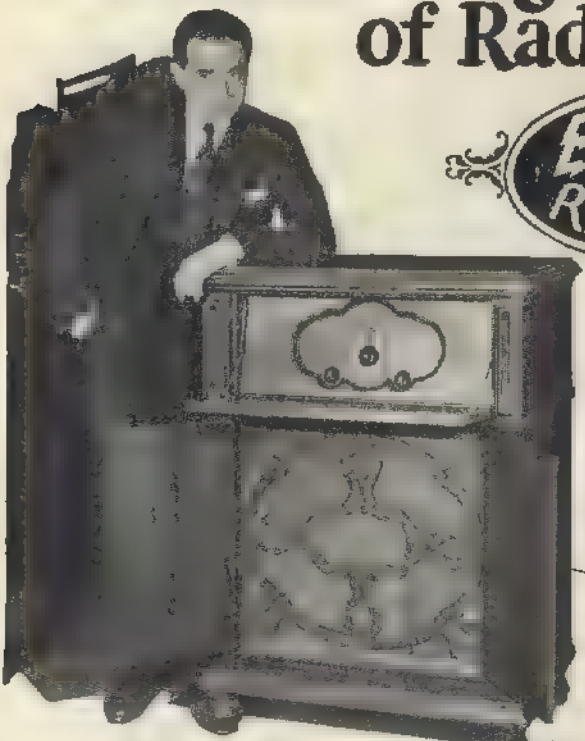
The ECO Automatic Air Station

Service station or garage owners will quickly see the business bringing ability of this air station. Simply set dial—apply chuck—wait till bell stops ringing—that's all. The hose automatically returns when released.

Service Station Equipment Co.
302 Enterprise St., Byran, Ohio, U. S. A.

In Canada, Service Station Equipment Co., Ltd.,
510 King St. East, Toronto, Ontario

"The Most *Amazing* Achievement of Radio Science"



ERLA RADIO

Says-

MOISSAYE BOGUSLAWSKI-

World Famous Pianist

MOISSAYE BOGUSLAWSKI
Studio
64 E Van Buren St
Chicago

December 10, 1928

Electrical Research Laboratories,
2500 Cottage Grove Ave.,
Chicago, Illinois

Gentlemen;

Today I had a genuine musical thrill--I listened to the Erla super-Six! It begins where the latest improved phonograph has left off. The Erla produces the true voice of the singer, retains the individual tone of every orchestral instrument, and the most amazing achievement of radio science--the piano tone comes in with all its ravishing beauty, singing quality--sonority and brilliance! "Erla-tone" should be added to the terminology of music's greatest names, along with Beethoven, Wagner, and Chopin.

My heartiest congratulations upon the perfection of Erla-radio's most faithful producer of music as the sincere artist breathes.

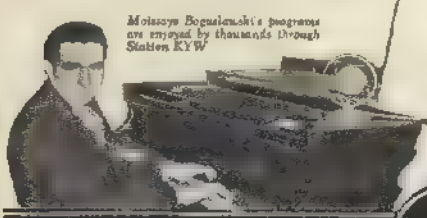
Sincerely yours,

Moissaye Boguslawski

ERLA
Begins Where The Latest Improved Phonograph Leaves Off

That is the impression received by Mr. Boguslawski after hearing this wonderful radio receiver. This master musician knows tone quality—read his letter again.

Just visualize the sales possibilities of this outstanding radio line. Offers everything desired of a radio receiver. A franchise will protect you and assure you real profits. Write or wire today for complete data. Address Dept. 000 2500 Cottage Grove Ave.



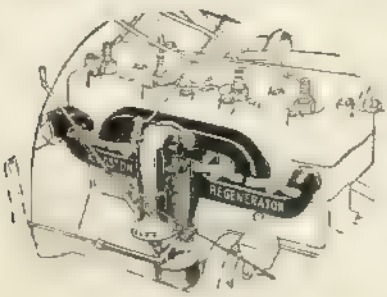
Moissaye Boguslawski's programs are enjoyed by thousands through Station KYW

ELECTRICAL RESEARCH ERLA RADIO LABORATORIES, CHICAGO

RIGHT NOW

HERE is the livest and most profitable single item in your stock—THE NEW KINGSTON MODEL B REGENERATOR. It hit the new year with a bang, and it has been going bigger every day. It brings to the Ford car and truck the successful application of the DRY GAS principle of carburetion. Double your sales this month with the NEW Kingston—tried, proved, perfected and RIGHT NOW in successful operation on thousands of fast-stepping cars.

Get behind this and watch sales climb! It's new—different—finer and better, and it gives a new sweep and zest to motoring. The NEW and patented Kingston Regenerator consists of a combination exhaust and intake manifold as well as carburetor for use on Ford cars and trucks, replacing standard carburetor and manifold equipment without the use of additional parts. Designed and built by experts, it means new power, added pep and life, easy starting and snappy acceleration, with a factor of fuel economy that makes it pay for its cost in a very short time. Backed by our vigorous merchandising policy and intrenched in its own solid merit, it means the strongest selling item of your line.



Right now! Something hot! Our big consumer advertising campaign is in full tide. Tie into this good business.

Wire Your Jobber TODAY

BYRNE, KINGSTON & CO.

KOKOMO, INDIANA, U. S. A.

Out where those who drive may *see* and *read*

To advertise for the attention of passing traffic—whose line of vision must be to the front—use a *projecting* display, like this bold but attractive Flexlume day-and-night electric sign.

No other advertising produces such large returns for so modest an investment—no other dresses up or enlivens your business front so well.

Let us send prints and facts showing the increased business Flexlume displays are bringing to other automotive service and sales houses, and submit—without obligation—sketch of a Flexlume to fit your needs.

Also exposed lamp and other electric signs for those who prefer or require them.

FLEXLUME CORPORATION
1361 Military Road Buffalo, N. Y.
Phone "Flexlume"—All Principal Cities

Factories also at Detroit

FLEXLUME CORPORATION

Los Angeles Oakland and Toronto

Boost Your Profits on Parts

WITH

BERLOY STEEL BINS

View of 19-Unit System of Berloy Bins
Frank Breska's Garage, Chicago, Ill.

You profit by reduced overhead; by simplified inventories; by attractive display; by savings in floor space and money invested in parts when equipped with an efficient system of Berloy Steel Bins.

There is a carefully planned Berloy system for every business large or small. Write for our catalog.

THE BERGER MFG. CO.

Boston, New York, Philadelphia, Minneapolis, San Francisco, Los Angeles, Jacksonville, Kansas City, St. Louis, Dallas, Roanoke, Chicago

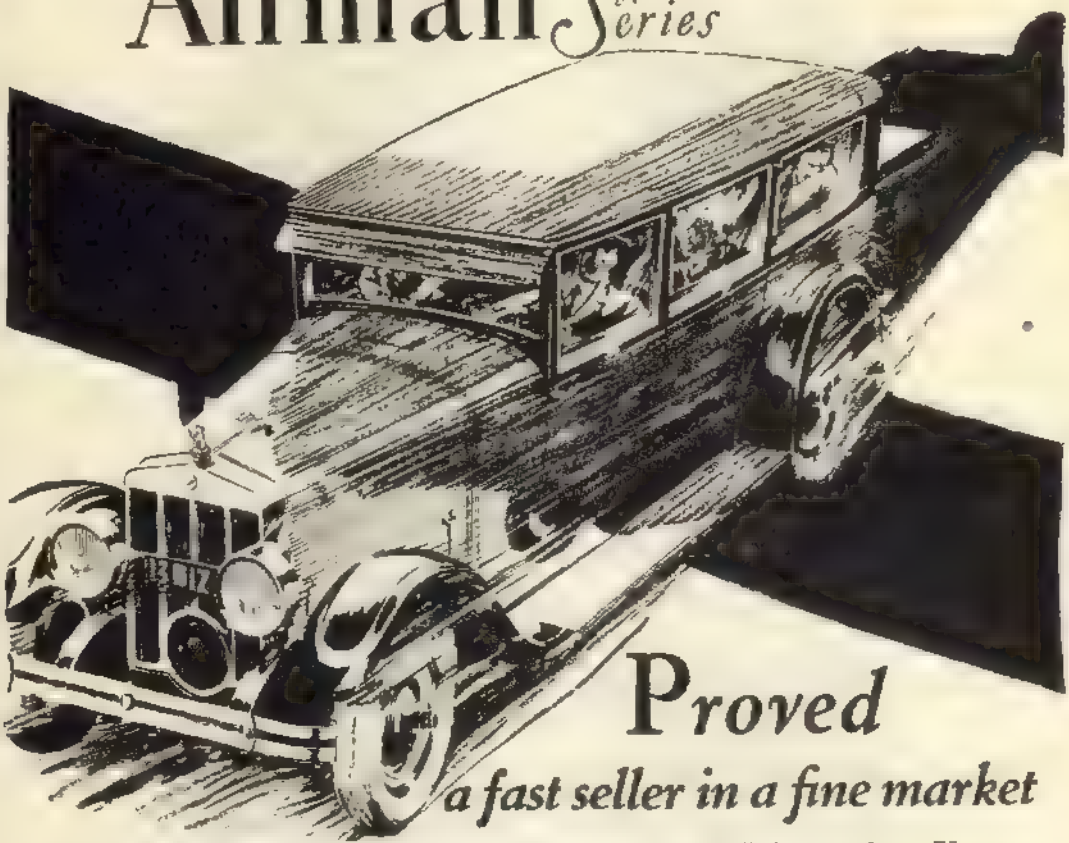
THE BINS WITH THE BOLTLESS DIVIDER

BERLOY

CONCEIVED IN THE SPIRIT OF AVIATION'S PROGRESS

FRANKLIN

Airman *Series*



Proved

a fast seller in a fine market

AVIATION—heralding a new era of fast travel, dramatically endorsed the Franklin principle of air-cooling. For the sustained high speed necessary to record-making distance flights, air-cooled motors have invariably been used.

Franklin has always been a valuable and profitable franchise—now, with the introduction of the new Airman Series, it is even more desirable.

The public is demanding the Airman's exclusive features. Motorists want its aviation-proved principle of air-cooling—they want its efficient performance—its luxury and all-day comfort. You can profit by this demand.

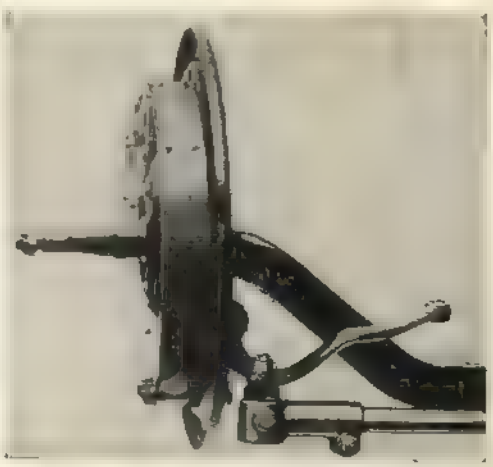
And more—Franklin offers you a more permanent business. The Franklin Owner generally buys *another* Franklin. Thus you can easily build up a loyal clientele.

The dealer history of Franklin should be of great significance to you, for Franklin is outstanding for its long-continued dealer connections.

There may be very profitable Franklin territory open in your locality. Write for full Franchise details today.

FRANKLIN AUTOMOBILE COMPANY • SYRACUSE, NEW YORK

Thompson Eccentric Tie Rod



Right—Eccentric socket design reduces distance from ball stud to end of rod to ½ in. Left—Details of end of tie rod showing wedge-shaped bearing held against ball stud by U-spring.

AT the Detroit plant of Thompson Products, Inc., the Thompson eccentric tie rod has recently been developed.

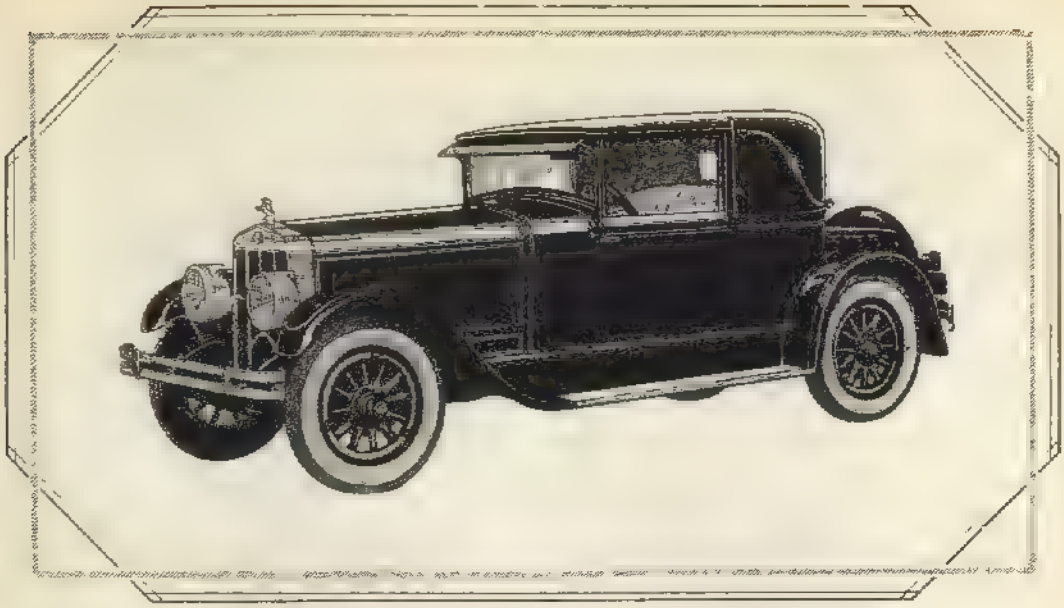
The distinguishing feature is a new style bearing into which the ball studs on either end fit. These bearings consist of two pieces which are concentric with the axis of the ball stud, as shown at the right and give a wedge shape to either half. Under pressure from a U-shaped spring shown, which is applied to the wider edges, the narrow edges of the wedges are closed in toward each other around the ball stud. This feature takes up any wear and keeps the ball and socket joints permanently in their close fitted condition, thus preventing any tendency toward shimmying caused by loose tie rod joints, rattles and pounding.

Another feature is small end clearance, the new tie rod with its vertical sockets measuring only ½ in. from the ball stud to the end of the rod.

Since the rod is hung on to the steering arms, and the shank of the ball stud passes through a hole in the socket smaller than the diameter of the ball stud the rod cannot fall from the balls. All working parts are sealed against grit and water.

From a field maintenance standpoint the new tie rod is desirable in that its construction permits adjustment of the wheel tram without disconnecting either end. This feature is made possible by the right left-hand thread on the rod element and ends.

Wolverine 5-passenger sedan lists at $1,295



*F*ranklin dealers and *F*ranklin owners stay with *F*ranklin

Franklin is noted for two things—to a greater degree than almost any other motor car. Franklin has a greater percentage of repeat sales—and Franklin dealers continue longer under the Franklin franchise.

The reason for the first is that Franklin buyers find they have purchased a *real* automobile—they are satisfied there is no better—they are anxious that their next car be *another Franklin*.

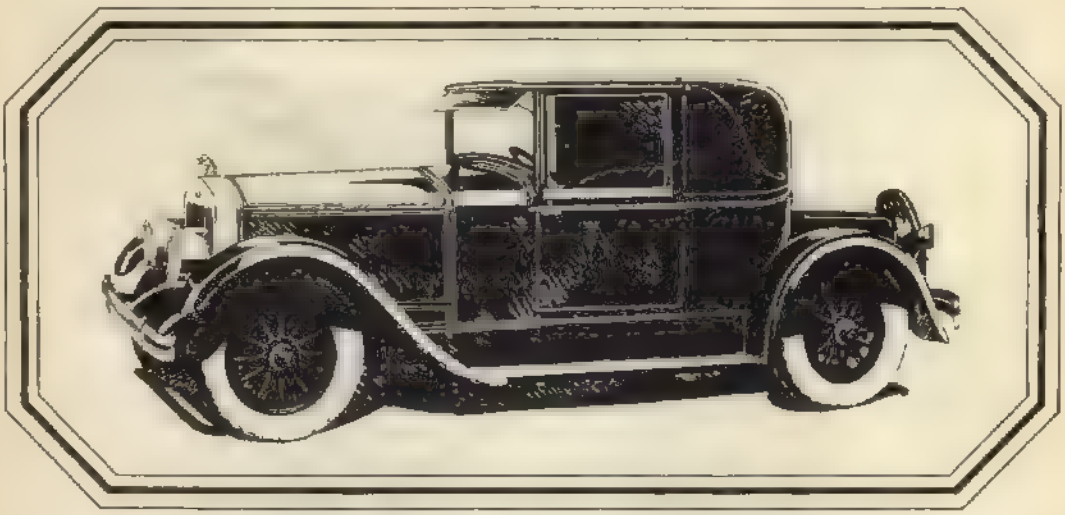
The reason for the second is of course, mostly because of the first fact. Dealers find that after selling Franklins a few years they have an established clientele of loyal Franklin owners. Dealers make money with Franklin and therefore are satisfied to continue with Franklin.

If you are in a small town, you should have a $2500-$3000 car in your line, and you can *very profitably* make that car the Franklin. Your lower-priced car buyers do not continue to buy low-priced cars. They graduate financially into the fine car field. Are you losing the fine car sales? Franklin offers an unusual profit-opportunity to small-town dealers. May we send you the complete details?

Air-cooled

FRANKLIN AUTOMOBILE COMPANY, SYRACUSE, NEW YORK

FRANKLIN



To the Dealers in small territories selling lower-priced cars

EVERY month since the 25th Anniversary Franklin was introduced, Franklin sales have shown an increase over the corresponding month of the preceding year. For 1927, Franklin shows the greatest rate of increase in the whole fine car group.

Who sells the $2500—$3000 car buyers in your town? Do you hold the customers who "grow up" financially or do they move on to another dealer?

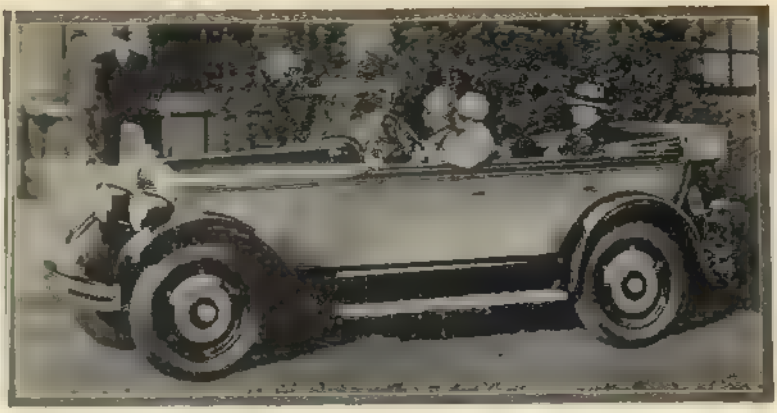
Adding the Franklin franchise to your present business need not involve a large investment. The nationwide recognition of the air-cooled motor (and of Franklin's many other *exclusive* features) means that, with the Franklin franchise you would have an excellent claim on a far larger group of prospects—You would enjoy a number of sales each year which represent worthwhile extra profits added to your present total.

If there is no Franklin dealer in your immediate territory, a letter to us today may open the way to a substantial profits increase *this year!* Why not get the facts?

FRANKLIN AUTOMOBILE COMPANY, SYRACUSE, NEW YORK

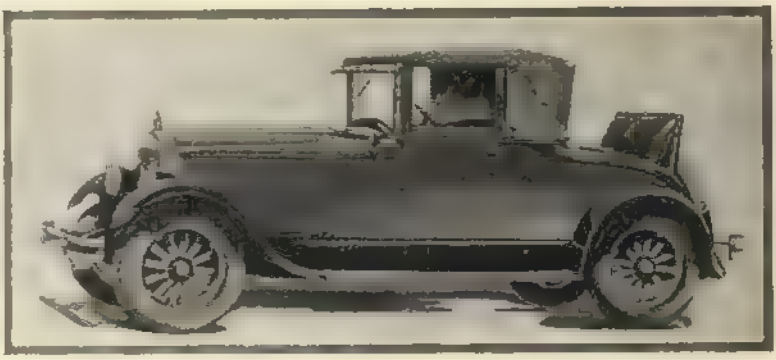
Air-cooled

FRANKLIN

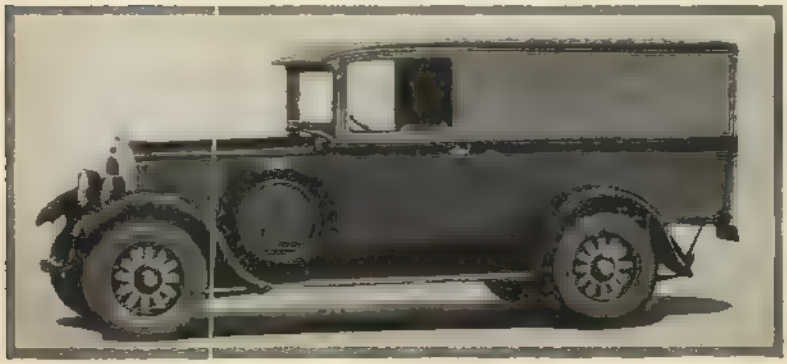


The Standard Six Custom Tourer introduced by Studebaker which lists at $1,165. A seven passenger Custom Tourer lists at $1,245

Velie has added a new body type to its Standard Six line a four passenger roadster with rumble seat which lists at $1,165



The new Star Six cabriolet has a collapsible top and also a rumble seat, built for four passengers



The Reo Speed Wagon Junior mounted on a special chassis, has been added to the Reo truck line

INTRODUCING *the* FRY Super-Twin

Continuous flow!
1 to 1000 gallons without stopping!
Every gallon measured visibly!
Every gallon measured with positive accuracy!
Control at Nozzle!
Every gallon recorded!
Every measured gallon positively delivered!
Power-operated!
Speed!
Beautiful appearance!
Simple, dependable construction!

The Most Sensational Pump Announcement in 20 Years

Again Fry steps out and leads the entire field by giving to the industry a brand-new development in a "gallonage-getting" pump that will startle the industry.

For here is an announcement of unprecedented importance to buyers and sellers of gasoline in all parts of the country.

Here is an epochal achievement which is revolutionary, so new and unique are the innumerable engineering refinements.

Here is, without question, the greatest advance in gasoline pumps made during the last twenty years.

For years the great Fry research and engineering departments have been developing this new unit which is now perfected.

This new and superior gasoline pump is in every respect the ideal pump that every gasoline seller in America has been waiting for.

Never did buyers expect to find in one pump every single element that they have been demanding for years. Yet here it is.

You who operate gasoline stations know the possibilities of such a great new unit as the Fry Super-Twin.

We are now ready to demonstrate the many outstanding advantages of the new Fry Super-Twin—the world's latest and greatest gasoline pump.

Get in touch with our nearest representative for full particulars or write the factory so we can arrange for an early demonstration.

PRESIDENT

Guarantee Liquid Measure Company

Rochester Pennsylvania

Fry, of course, will continue to make the ever-popular 5 and 10 gallon equipment

Over 250 New Wholesalers in *Sixty Days*

A Regular Avalanche of Orders

In December we sent out our opening announcement of the world's smallest efficient vacuum cleaner The response was instantaneous In less than 60 days more than two hundred and fifty of America's leading jobbers had rushed us their orders for this marvelous midget cleaner. Today thousands of dealers are cashing in on the

PRESTO-VAC
JUNIOR VACUUM CLEANER

Every home needs one, every store, every office, every car owner—they all need a PRESTO-VAC, the cleaner with the power brush. PRESTO-VAC will do many jobs that no other vacuum cleaner can do and its size enables the operator to get into the tight places that no regular size cleaner can reach. If your jobber cannot supply you write or wire your order today giving name of your jobber

Greatest Electric Appliance Since the Electric Iron

PRESTO-VAC
A Midget
In Size
A Giant
for Work

METAL SPECIALTIES MANUFACTURING COMPANY
338-351 North Kedzie Avenue, Chicago

PRESTO-VAC
Every Home
Needs
This Little
Giant

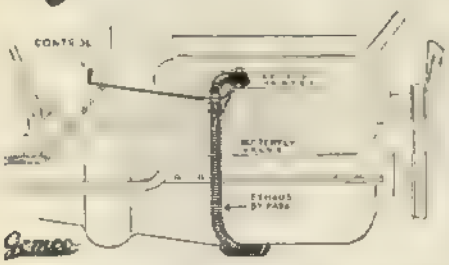
Gemco Bumpers *for All Cars*

In 1927 concentrate on Gemco—the complete, moderately priced, high quality bumpers. Gemco bumpers increase sales volume, give more rapid turnover and reduce your investment. You can meet all competition with *one* line if you sell Gemcos. Priced from $8.75 up.

Gemco

Crankcase Oil Heaters

For Chevrolet Cars



A cold weather accessory in big demand Starts oil flow as soon as motor starts. Heats crankcase direct from exhaust. Melts ice, softens oil, prevents piston scoring and burnt out bearings. Dash controlled, easily operated. Sells fast—it saves Chevrolet owners trouble and expense. Cash in on this Gemco quality product NOW!

Gemco

Trutone Speakers

A sensation wherever demonstrated. They result in amazingly improved loud speaker performance. Reproduce all the high and low notes. Rich, full tones. Scientifically constructed long horns, with Gemco balanced unit. Exclusive, beautiful designs—a complete line for quick, easy sales. Add this big profit loud speaker line to your business.

Write for the Gemco proposition on products in which you are interested

GEMCO MFG. COMPANY
753 S. Pierce St. Milwaukee, Wis.

GENERAL MOTORS BUILDING

Built for Leaders in the Automobile Trade

At the Best Part of "Automobile Row"

COLUMBUS CIRCLE Broadway to 8th Avenue—57th to 58th Street—NEW YORK

ALREADY over 62% rented to Automobile and Accessory manufacturers. The General Motors Corporation and many other leaders have leased space. Your New York offices should be here too!

Offices Ready for Inspection

420 Sq. Ft. to 23,700 Sq. Ft. Ready for occupancy in April. At Nine Lines of Transportation. Express Subway Entrance in the Building

REPRESENTATIVE ON PREMISES

CUSHMAN & WAKEFIELD, INC

Renting & Managing Agent

50 East 42nd Street, New York City

GENERAL MOTORS BUILDING

New STEELCLAD BUSHINGS

For Spring Eyes, Steering Knuckles and Tie Rods

Seldom needs Reaming —But Easy to Ream when necessary

Triple Wearing

To rebush a car with STEELCLADS you simply press the bushing into place. Only under extraordinary conditions need STEELCLADS be reamed. Therefore, when you rebush with STEELCLADS, you can tell your customer that his bushing troubles are over.

STEELCLADS are accurately burnished to specified size by a new process, so that reaming is seldom necessary.

Yet, if you *must* ream, due to mis-alignment of the hole, you have in STEELCLAD an exceptionally hard bronze bushing that can be reamed *quickly* and *easily* with a straight reamer. Never before was there a bronze bushing that combined extreme hardness with easy reaming qualities.

And when you find it necessary to ream a STEELCLAD, you'll find that there is enough bronze in it to meet all reaming requirements, with plenty of bronze for wearing surface.

On your next rebushing job, give your customer the best there is—STEELCLADS. He'll appreciate it, and you can do a better job with less labor.

MONMOUTH Scientific Accuracy PRODUCTS

Quick Turn Gas Tank Caps
Replacement Clutch Plates
STEELCLAD Bushings
Myers Airstream Chassis Oilers
Complete Line of Steering Knuckle, or Rod and Spring Shackle Bolts, with Bushings

Your Jobber Has STEELCLADS

Export Representatives: Sterling Motor Replacement Co 130 W 42nd St., New York, U. S A Cable Address—STERMOREP

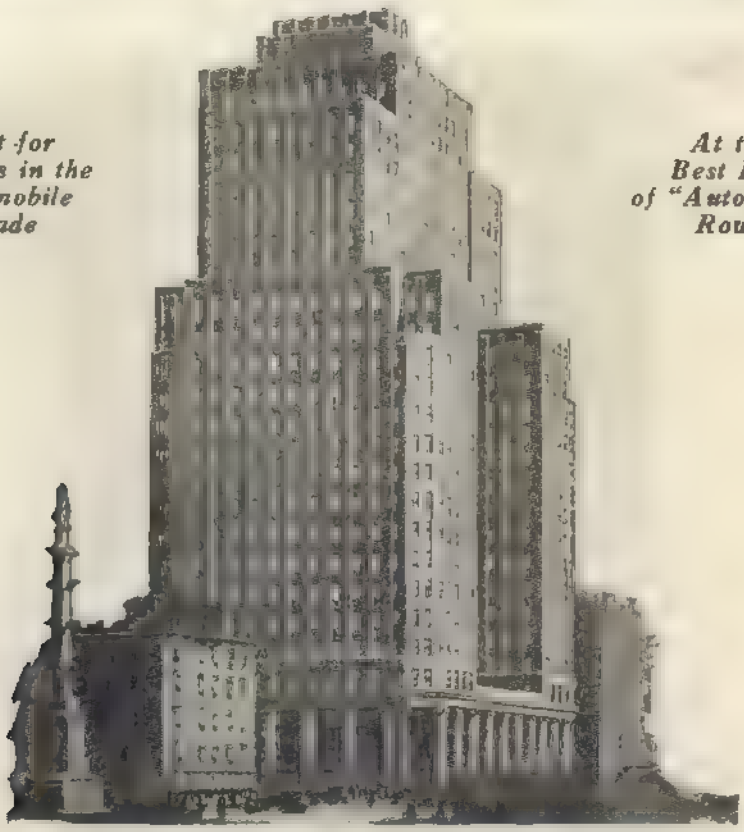
MONMOUTH PRODUCTS COMPANY

882 East 72nd St. Cleveland, O.

GENERAL MOTORS BUILDING

Built for Leaders in the Automobile Trade

At the Best Part of "Automobile Row"



COLUMBUS CIRCLE—Broadway to 8th Avenue—57th to 58th Street—NEW YORK

WHEN you visit New York, inspect its greatest office building dedicated to the Automotive Industry at the best part of "Automobile Row". It's the logical location for your Eastern offices.

Already 70% rented, but some of the best offices are still available.

Offices Ready for Inspection

420 Sq. Ft. to 23,700 Sq. Ft. Ready for occupancy in April. At Nine Lines of Transportation. Express Subway Entrance in the Building

REPRESENTATIVE ON PREMISES

CUSHMAN & WAKEFIELD, INC

Renting & Managing Agent

50 East 42nd Street, New York City

GENERAL MOTORS BUILDING

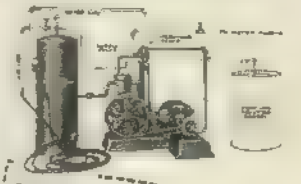
CURTIS COMPRESSORS, HOISTS, CRANES, CAR WASH SYSTEMS PORTABLE COMPRESSOR UNITS

Get NEW Business by Better Service

Thousands of dealers have gained *new* income with the Curtis AIR-MIST Car Wash System. It turns out cars so much *faster* and so much *cleaner* that your improved service rapidly builds new business—*all you can handle* in spite of your greatly increased *capacity*.

The Curtis AIR-MIST System reaches otherwise inaccessible places; dissolves caked mud like magic; flows the dirt off gently but with unbelievable speed; *and does not harm the finest finish.*

Only the Curtis AIR-MIST System also provides air for tire inflation; for drying; polish spraying; paint spraying; vacuum cleaning; engine cleaning. It is not just a wash, but a complete cleaning service for the inside and outside of the car. Send for details today.



CURTIS Pneumatic Mchy. Co.
1913 Kienlen Ave. St. Louis Mo.
516-B Hudson Terminal, N. Y. City
Please send me your new free AIR MIST catalogue.
Name
Address

CURTIS AIR-MIST CAR-WASH SYSTEM

with Westco water amplifier

CURTIS PNEUMATIC MACHINERY COMPANY, ST. LOUIS, U.S.A.

Grebe Announces a Complete Line

Grebe Synchrophase Seven

New principles greatly increase tone quality, selectivity and distance: viz.,

1 Single Controlling Dial
—for easy and accurate tuning.

3-Point Tuning Drive
—smooth running, permanent adjustment.

5 Tuning Stages
—maximum selectivity and fidelity of tone.

7 Useful Tubes
for tone, volume and distance.

Litz-wound Binocular Coils and tube isolating circuits give uniform selectivity and signal strength. Shielded metal deck totally concealed rigid wiring—Colortone with full tone range—cabinet of selected butt grain walnut, French marquetry inlay panel of exquisite design and workmanship.

Grebe Synchrophase Five

Special features provide exceptional tone quality, selectivity and distance: Colortone—one, two or three-dial control at will—power tube operation—complete wave-length and broadcast range—Litz-wound Binocular Coils.

Grebe 20-20 Cone

A marked advance in quality sound recreation with all the color of complete reproduction of high and low notes—reduction of second harmonics freedom from "paper rattles" heavy mounting base insures stability—20" in diameter, 20° angle, bronze finish

Grebe Socket Power

Type 671—Reliable, self-adjusting "B" and "C" power supply—quiet—ample voltage for 180-volt power tube—for 5 and 6-tube receivers and the Synchrophase Seven durable, foolproof, shielded and sealed against tampering.

A. H. Grebe & Co., Inc., 109 West 57th St., New York
Factory: Richmond Hill, N. Y. *Western Branch:* Los Angeles, Calif.

The oldest exclusive radio manufacturer

Grebe 20-20 Cone
$35

Grebe B & C Socket Power
Type 671 *less tube* $50

The GREBE SYNCHROPHASE RADIO

Grebe Synchrophase Seven $135

Complete line on exhibition at R.M.A. Trade Show, Chicago, June 13th to 18th

Grebe Synchrophase Five $95

Real Profit for Grebe Dealers

Easy Selling
because the unusual features of the Grebe Synchrophase produce superior reception.

Minimum Servicing
because sound design and construction assure extremely satisfactory performance.

Booklet AJ gives full details. Send for it.

A. H. Grebe & Co., Incorporated
109 West 57th Street New York City
Western Branch:
443 S. San Pedro St., Los Angeles, Cal.
Factory: Richmond Hill, New York
The oldest exclusive radio manufacturer

The GREBE *Synchrophase* RADIO

The Synchrophase is also supplied in five console models.

The Irresistible Power

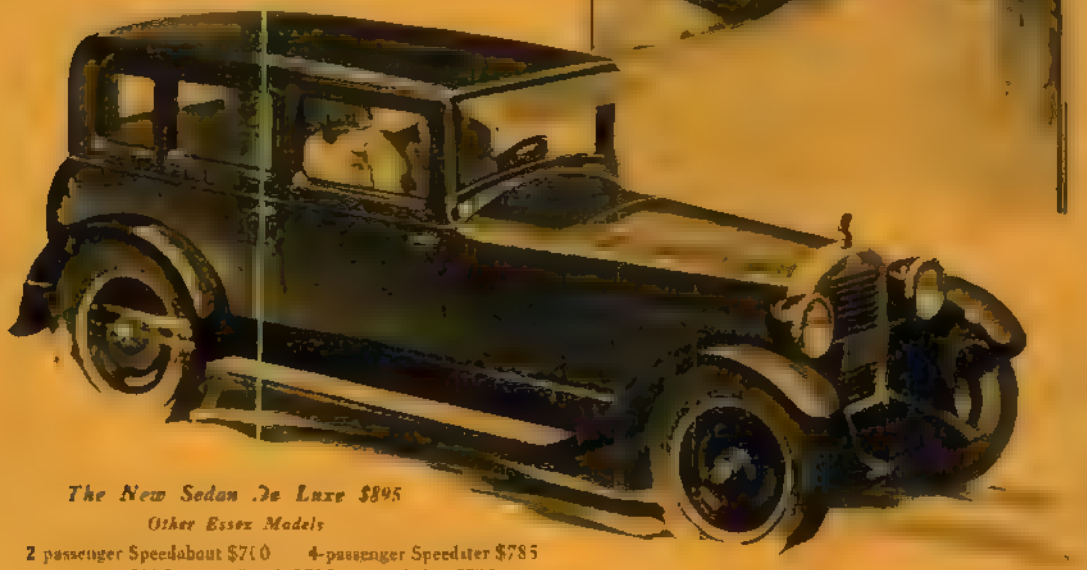
of Outstanding Values

You Can Share This Hudson-Essex Success

Hudson-Essex sales are greater than ever in history because they excel the market in value by more outstanding margins than ever.

Everywhere Hudson-Essex dealers are prosperous. Fast sales at low selling cost, mean real profits, and a sound assurance of permanent growing business.

Dealer Inquiries Held Confidential



The New Sedan De Luxe $895

Other Essex Models

2 passenger Speedabout $710 4-passenger Speedster $785
Coupe $735 Coach $735 Sedan $795

All prices f. o. b. Detroit, plus war excise tax

HUDSON MOTOR CAR COMPANY, DETROIT, MICHIGAN

From days when the ancients conceived the sun as a chariot of fire sped by steeds of flame, men have dreamed and striven to harness heat to useful power.

A Great Companion Invention to the Super-Six Principle -

Turns waste heat to power

This new companion invention to the Super-Six Principle converts heat wasted in all other types, into useful power.

Together they combine the highest efficiency in power generation, and the maximum efficiency in power transmission ever achieved within our knowledge. It makes Hudson the most economical car per pound weight in the world.

Steam Engine Smoothness and Power

The new Hudson motor delivers a flood of rugged power from standing start closely resembling the mighty and elastic power of the steam engine. It eliminates spark knock. It prevents oil dilution. Ordinary gasoline gives the results sought through special high-priced fuels.

And at all speeds this power is buoyant, vivacious and instantly answerable to the slightest throttle touch.

HUDSON *Super-Six*

STANDARD COACH $1295 STANDARD SEDAN $1 95

f. o. b. Detroit, plus tax

Custom Built Models 7-PASSENGER PHAETON BROUGHAM 7-PASSENGER SEDAN

Hudson Miles Are Master Miles

With the Super-Six Principle Freed to the Limit

The smoothness with which the Super-Six glides from standing start to high speed is totally different from the violent lunge with which high powered cars usually get under way

Acceleration even from high speed is always available. The flow of power comes in a smooth stream of energy as it does from an electric motor. This is a notable mark of smoothness that is available only to the Super-Six principle now freed to the limit of its capacity.

And the chassis of both Hudson and Essex have been specially designed to make full use of these new limits of speed, power and safety.

Coach $1285

Ride in either Hudson Super-Six or its brilliant companion, Essex Super-Six. There is nothing like it in the world.

HUDSON

Super-Six

Brougham $1575

7-pass. Sedan $1350

Other Hudson Models

Custombuilt Roadster - - - - $1500
Custombuilt 7-Pass. Phaeton - - 1600
All prices f.o.b. Detroit, plus war excise tax

5-pass. Sedan $1785

yes Everyone says
"Nothing like it in the world"

The mere announcement of the Super-Six principle, freed to the limit, focused on Hudson a dramatic public expectancy such as never awaited any other car. In appearance and value, as well as performance, it is the most talked of car of the year.

New riders, new buyers and thousands who merely witness its vivid dash on the road are saying "There is nothing like it in the world." And from the first day orders have increasingly exceeded production, now the largest in Hudson history.

Greater Dealer Opportunities Than Ever

7-Pass. Phaeton $1690

7 Pass. Sedan $1950

HUDSON
Super-Six

Brougham $1575

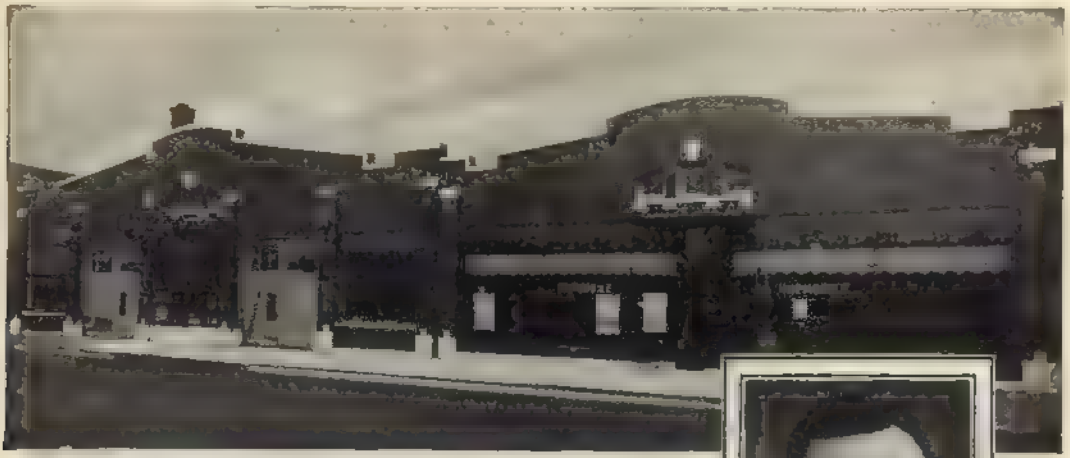
Coach $1295

Other Hudson Models

Custombuilt Roadster	$1a00
Custombuilt 5-Pass. Sedan	1750
Standard 5-Pass Sedan	1385

All prices f.o.b. Detroit, plus war excise tax

HUPMOBILE DEALERS MAKE MONEY



Gran Brothers' establishment has doubled in size in the past seven years. Original garage is shown at the left.

Steady Profits For Seven Years With the Hupmobile Franchise

Emil Gran, operating a repair shop in Chicago, applied an expert's knowledge of automobile values when he selected the Hupmobile franchise among many offered him in 1920.

Mr. Gran started the firm of Gran Brothers in Austin, a Chicago suburb, in that year and sold twenty-four Hupmobiles. In seven years their place of business has doubled in size and they employ 19 people. Gran Brothers have contracted to sell 175 Hupmobile cars in 1927.

This firm has placed more than 500 Hupmobiles in a territory that was little more than open prairie when they started business. Profits have steadily grown and Hupmobile stands second in volume of sales throughout this district.

Dealers or other business men interested in reports from Hupmobile dealers in their own vicinity may secure this information by writing the factory.

"The policy of Hupmobile and its distributors in providing intelligent cooperation and sales helps to dealers, has been most valuable to us in building up our present fine business."

EMIL GRAN
Gran Brothers,
Austin, Ill.

* * *

Details of the Hupmobile contract—pronounced the most liberal in the industry—will be sent upon request.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE

EIGHTS & SIXES

Wanderer—*Germany*

By makes of cars, types of cars, or geographically, the preference for Timken Bearings is really universal. In this country, so great is the preponderance of Timken-equipped makes, that selling influence is put into the mere mention of Timken Bearings. This prestige must be based upon the mechanical excellence which alone causes European engineers to adopt Timken Tapered Roller Bearings.

The Timken Roller Bearing Co., Canton, O.

The Wanderer and other German, Continental and British cars are Timken-equipped. There are Timken plants in England and France.

HUPMOBILE DEALERS MAKE MONEY

"A Hupmobile contract is far ahead of all others we know. The factory service policy is 100% co-operation. We would not change our contract with any three others doing even a greater volume of business."

A. H. LATTA
President

A. H. LATTA, INC.
Atlantic City

Dealers or other business men interested in reports from Hupmobile dealers in their own vicinity may secure this information by writing the factory.

A 300% Increase in Sales with Hupmobiles since 1922

In 1922, the first year Alex H. Latta, Incorporated, Atlantic City, sold Hupmobiles, the firm did a gross business of $78,000. Last year, Hupmobile sales ran up to $271,000—an increase of more than 300% in annual volume.

"We were first interested in a Hupp franchise by the ability of an old Model N to pull our of mud holes and ditches and to tow trucks and cars of all sizes and weights to our shop," writes President A. H. Latta.

"When we left the truck business, we looked for a passenger car that would stand up and not worry us to death trying to service it. We went no further than the Hupmobile and we made no mistake, for our business has increased each year."

A. H. Latta, Incorporated, report the remarkable average of 40% repeat sales to former Hupmobile owners, indicating the exceptional owner-loyalty which has become one of the most valuable assets of a Hupmobile dealer.

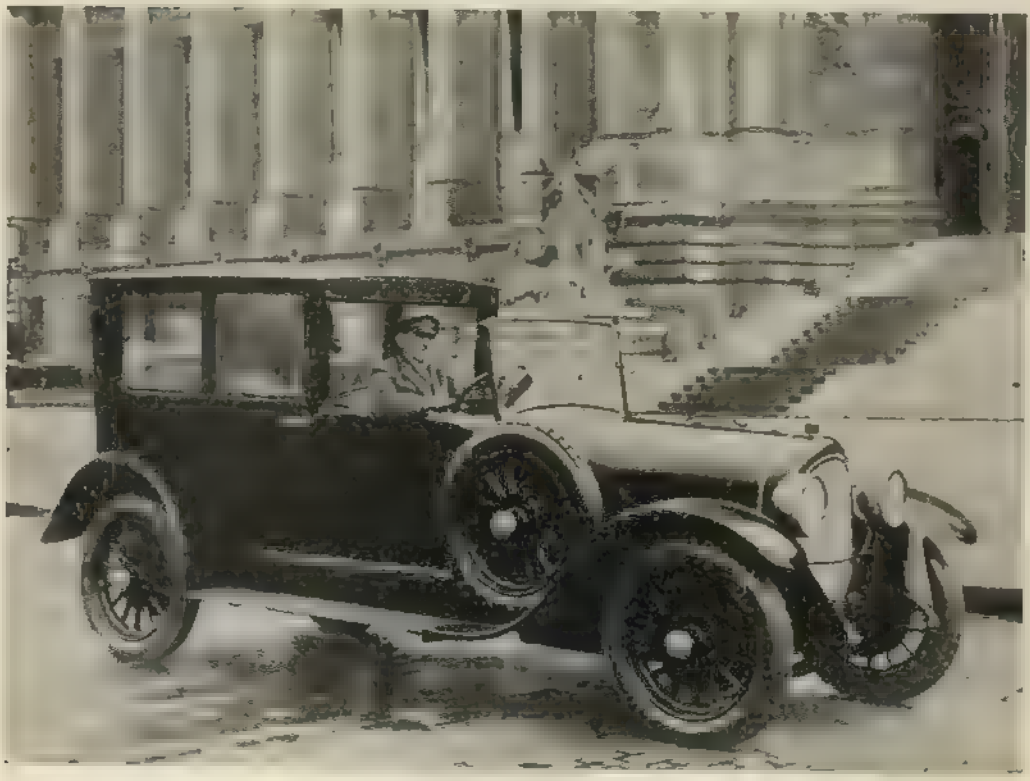
We will gladly forward details of the Hupmobile contract to interested dealers upon request.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE

EIGHTS & SIXES

The Delaunay-Belleville is Timken-Equipped



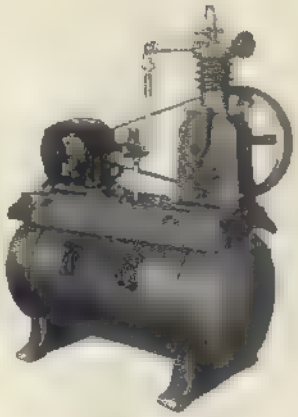
Timken results come only from Timken Bearings. That is why many of the great European motor car manufacturers, like Delaunay-Belleville, use Timken Tapered Roller Bearings—a matter of purely engineering preference.

Beneath the prestige and sales-leverage of the phrase "Timken-Equipped" there is always the plain fact that Timken-equipped cars *are* better.

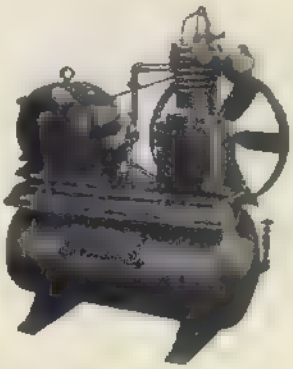
The Timken Roller Bearing Co., Canton, Ohio

Why?*

Have 70% of all spray gun equipment manufacturers standardized on KELLOGG Air Compressors?



EM 261X



EM 152X

* They actually develop more air per horsepower and so are more economical.

* They are designed to eliminate oil pumping—no other compressors have this feature.

* The patented KELLOGG lubrication insures longer life and less expense for maintenance—an exclusive feature.

* KELLOGG unloaders are more efficient.

* In spite of these highly important features, KELLOGG Paint Spraying Compressors cost no more and in many cases less.

Insist on KELLOGG Compressors when you equip your paint shop

Kellogg Manufacturing Company

Rochester, N. Y.

KELLOGG COMPRESSORS

"It Pays to Buy a Kellogg"

EM-261-X

EM-261-X — for spray painting. Meets all the requirements of the average paint shop. 8 cubic feet of air

The increasing use of air for various jobs throughout the shop finds Kellogg more outstanding than ever for value and performance.

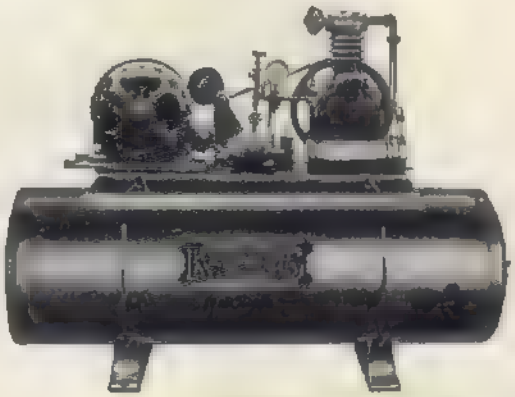
Kellogg Compressors—from the smallest and least expensive to the largest and most expensive—are designed for quality and uninterrupted, hard-hitting performance.

The Kellogg EM-261 is an example of this Kellogg policy. Compare the 261, both as to specifications and price, with any other compressor on the market—then ask any garage operating one what kind of service it gives—then you will realize why

"It Pays to Buy a Kellogg"

SPECIFICATIONS:

- EM-261-S—1½ horsepower motor
- 80 gallon tank
- 8 cubic feet of air
- Self-cleaning check valves
- Patented pump and splash lubricating system
- Honed cylinders
- Air cleaner and muffler



EM-261-S

KELLOGG MANUFACTURING COMPANY
ROCHESTER, N. Y.

A Crowd at the Curb

Likely Means La Salle

When you see people turn to watch a new car in traffic today—or crowd to the curb and stand in silent admiration—that car will be a La Salle. Besides its beauty, it has 250,000 Cadillacs behind its pre-proved performance—and under the hood, the latest expression of the famous 90-degree, V-type, 8-cylinder engineering principle which is essentially Cadillac

FOR A SMALL DOWN PAYMENT—(with the appraisal value of your used car acceptable as cash)—you may possess a La Salle on the liberal term payment plan of the General Motors Acceptance Corporation—the famous G. M. A. C. plan

CADILLAC MOTOR CAR COMPANY
Division of General Motors Corporation
DETROIT, MICHIGAN OSHAWA, CANADA

LA SALLE

Companion Car to Cadillac · From $2495 to $2685, f.o.b. Detroit

Stock Car Racing Revived After Fifteen Years

STOCK car racing, the first event of its kind in fifteen years, opened up a former field of speed endeavor for the 1927 season, when a 75-mile event was held on May 7, over the mile and a half board speedway at Hammonton, N. J.

The outstanding feature of the event, held prior to the 200-mile race for the 91½ in. racing cars, was the close finish between the three leading cars. Only 46/1000 of a second separated the first and third cars.

Tom Rooney, driving a Stutz roadster, led the field of fourteen cars across the finish line, covering the fifty laps in 52 minutes 10.54 seconds, at an average speed of 86.247 miles per hour. Wade Morton behind the wheel of an Auburn roadster finished second, 23/1000 of a second behind Rooney. In third place, the same distance behind Morton, was Zeke Meyer, driving a Paige roadster.

Strictly Stock Entries

Entries were restricted to strictly stock cars being under 300 cu. in. displacement. No changes were made in the cars except the technical committee ruled any system of fuel delivery might be installed. Removal of the fenders, running boards and glass from the windshield was permitted, purely in the interest of safety. Contestants were also allowed the use of the lowest rear axle ratio offered as optional by the car manufacturer.

From the interest shown by the 35,000 spectators stock car racing may undergo a healthy revival on the A. A. A. controlled tracks. The majority of car owner spectators were keen to see the models of the makes they drive personally, compete on the boards. The closeness of the race gave just the proper touch to the event.

Several lessons were brought out in the competition. It was evident an adequate fuel supply system was necessary if a car was to maintain a high rate of speed. The race indicated the need of better valve spring keeper design to prevent failure when an engine is subjected to high speeds for intervals of an hour or more.

What Will Be the Outcome

It was also demonstrated the center crankshaft bearing must be designed to stand heavy loads incident to high speed performances. It was interesting to note that none of the contesting cars had more than .005 in. piston to cylinder clearance and that no seizures were encountered.

It would not be surprising to see stock sport models introduced within a short time embodying the latest developments in engine, chassis and body.

Just what trend stock car racing will take will only be demonstrated as the contests are held at the various speedways. It is evident now that stock car racing has to be given deep and considerate thought by the manufacturers. No longer will manufacturers be able to make claims of speed and performance in print without evidence to back it up.

While it is rather early in the game, with only one event held, the individual car owner wants to see just what manner of performance his car will make in a contest, and not what a special built stock car will do in competition. Future contests will probably be of such a distance as to more thoroughly test the capabilities of the cars competing, thus bringing out any faults which would not crop up in a shorter test. In this man-

(Turn to page 58, please)

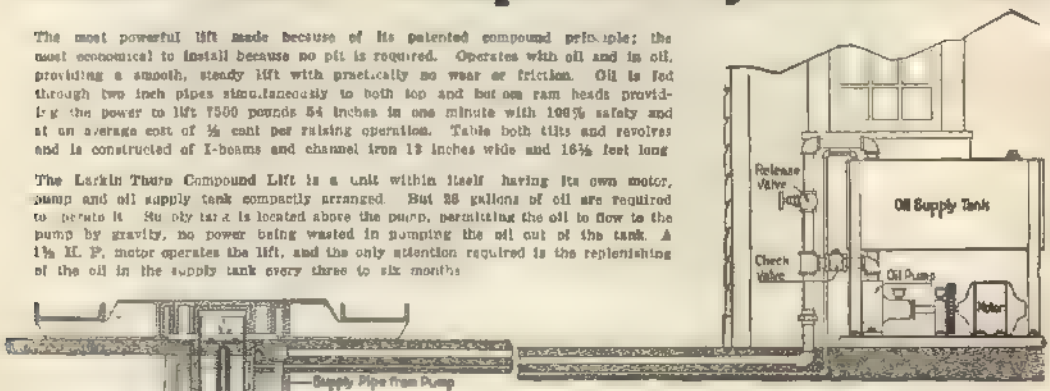
Tom Rooney, being awarded the $1,000 cup for winning the race with the Stutz. In the group, left to right, are F. E. Moskovics, Rooney, C. E. Schwab and C. S. Crawford

Start of the 75 mile stock car race, the first held in this country for 15 years

Larkin-Thuro Compound Hydraulic Lift

The most powerful lift made because of its patented compound principle; the most economical to install because no pit is required. Operates with oil and in oil, providing a smooth, steady lift with practically no wear or friction. Oil is fed through two inch pipes simultaneously to both top and bottom ram heads providing the power to lift 7500 pounds 54 inches in one minute with 100% safety and at an average cost of ½ cent per raising operation. Table both tilts and revolves and is constructed of I-beams and channel iron 13 inches wide and 16½ feet long

The Larkin Thuro Compound Lift is a unit within itself having its own motor, pump and oil supply tank compactly arranged. But 38 gallons of oil are required to operate it. Supply tank is located above the pump, permitting the oil to flow to the pump by gravity, no power being wasted in pumping the oil out of the tank. A 1½ H. P. motor operates the lift, and the only attention required is the replenishing of the oil in the supply tank every three to six months



Ask Your Larkin Jobber

— OR WRITE FOR BLUE PRINTS

The Larkin-Thuro Compound Hydraulic Lift will bring you increased business and save labor time. Ask your jobber for details or write to us for blueprints, specifications and full details of the advantages of this lift over any other lift made. Ask your Larkin-Thuro jobber or write us today.

SEE US AT THE NEW YORK SHOW!

The Larkin-Thuro Corp.

DAYTON, OHIO

AMERICA'S FIRST TRULY FINE SMALL CAR

the little MARMON 8

Above everything else in the industry today, these two facts stand out

First—That the time for the truly fine small car has arrived.

Second—That Marmon has done an exceptionally splendid job of interpreting a really sound idea, as evidenced by the tremendous ovation accorded the little Marmon 8 at the New York automobile show and at prior showings throughout the country.

MARMON MOTOR CAR COMPANY, INDIANAPOLIS

COMPANION TO THE LARGE *The little* MARMON 8 MARMON (SERIES 75)

AMERICA'S FIRST TRULY FINE SMALL CAR

CONGRATULATIONS
are coming from everywhere on what has proved to be the greatest automobile success of the times.

The Greatest Automobile Success of the Times

—because it offers for the first time in the history of automobiles the highest type of fine car luxury and good taste in a small, easy-to-handle size.

—because it will pass any other car of its size on the open road.

—because it has the fastest acceleration ever known.

—because it will run hour after hour at high speed without strain.

—because it is just as comfortable as a large car.

—because it is manufactured by a company whose word the public has come to take as final in fine car manufacturing.

—and because it sells at a price which sizable thousands can afford to pay.

It is certainly the most definite and far-reaching development of recent years—a car that immediately impresses people as being both new and right—a combination which has never yet failed to spell success.

Complete line of standard closed and open models, $1795 and upward—all prices under $2000, f. o. b. factory.

MARMON MOTOR CAR COMPANY
INDIANAPOLIS, IND.

Gentlemen
I am interested in the Marmon franchise for _____ territory

NAME _____

ADDRESS _____

CITY AND STATE _____

the little MARMON 8

COMPANION TO THE LARGE MARMON (SERIES 75)

The greatest proving ground in the world

THE INDIANAPOLIS MOTOR SPEEDWAY
WHERE MARMON CARS OF THE PAST DECADE
HAVE BEEN PROVED OUT

CONGRATULATIONS are coming from everywhere on what has proved to be the greatest automobile success of the times.

Little Marmon 8 test cars—an almost constant sight in the Indianapolis Speedway during 1930

The little MARMON 8

EVERYONE says of the little Marmon 8 that in addition to being about the fastest thing in the world, it appears so sturdy and well built. Probably no small car was ever so staunchly constructed or so thoroughly proved.

Some of the first experimental models were sent across the continent—through the Rockies and the Sierras—and across the Mojave Desert.

Others were run day and night for months on the Indianapolis Speedway—scene of the famous annual international 500-mile sweepstakes. Here speed was gauged by electrical timing.

That is why we so confidently make some rather unusual claims about its performance—and proudly put the Marmon nameplate on it.

The little MARMON 8
AMERICA'S FIRST TRULY FINE SMALL CAR

MARMON MOTOR CAR COMPANY . *INDIANAPOLIS*

AMERICA'S FIRST TRULY FINE SMALL CAR

CONGRATULATIONS are coming from everywhere on what has proved to be the greatest automobile success of the times.

The Greatest Automobile Success of the Times

—because it offers for the first time in the history of automobiles the highest type of fine car luxury and good taste in a small, easy-to-handle size.

—because it will pass any other car of its size on the open road.

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Complete line of standard closed and open models, $1795 and upward—all prices under $2000, f. o. b. factory.

MARMON MOTOR CAR COMPANY
INDIANAPOLIS, IND.

Gentlemen:
I am interested in the Marmon franchise for _____ territory.

NAME _____

ADDRESS _____

CITY AND STATE _____

the little MARMON 8

COMPANION TO THE LARGE MARMON (SERIES 75)

For Quick Profits—

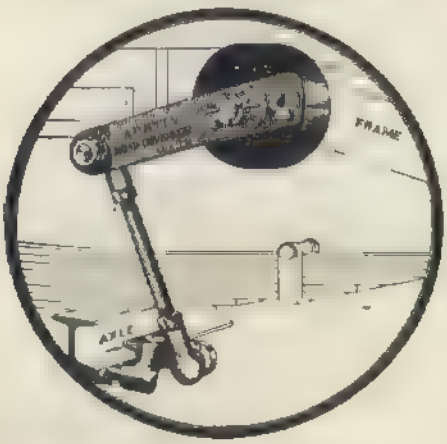
sell these

Monroe Hydraulics

With Monroe making distinctly high quality hydraulics that retail at $35 to $45 per set of four, motorists are eagerly buying the greater comfort that comes from riding on cushions of oil. Write for complete description of this profitable accessory. Liberal discount to the trade.

Prices slightly higher west of the Mississippi

MONROE
AUTO EQUIPMENT MFG. CO., Monroe, Mich.



AUSTIN Road Governors

Guaranteed for 100,000 miles. Controls springs of car *without interfering with resiliency of springs*. No straps or cables to stretch or break. Rigid link, with ball joints, connects governor arm with axle. Nothing to get out of order or break. 100,000 miles of comfort *guaranteed!* Send for descriptive folder, dealer proposition and attractive discounts.

CLAPPER SALES CORP.

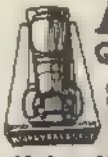
NEWBURGH, N. Y.

DISTRIBUTORS *make* BIG MONEY!

Distributorships wanted in open territory. McAvoy Shops who can't replace cars fast enough to keep up with the demand for McAvoy Quick Quality Finish, at $10 to $25 a car [illegible] a guaranteed job.

RE-FINISH CARS *in* 1 Day $10 *to* $25

Approved by thousands of car makers and by thousands of car owners for finest quality, most beautiful and most lasting finish. Write for free proof and no risk or obligation. Applied over paint, Duco or Lacquer. Invented by Duncan McAvoy, a pioneer authority on motor car finish, through [illegible] industry.



McAVOY

QUICK-QUALITY-FINISH

HERE AND EVERYWHERE

Over 800 shops operating at big profits in U. S. Canada, and Europe. Write today [illegible] territory you want may be [illegible]. Capital required for franchise is according to the cars listed in your territory.

The McAvoy Mfg. Co., Inc. 44 McAvoy Bldg., 920 West Milwaukee Ave. Detroit, Mich.

MAGNETIC Self-Winding Automobile Clocks

FOR STEERING POST MOUNTING

Can be attached by anyone in a JIFFY. Automatically wound by the car battery. Other models for dash mounting. Descriptive matter and discounts on request.

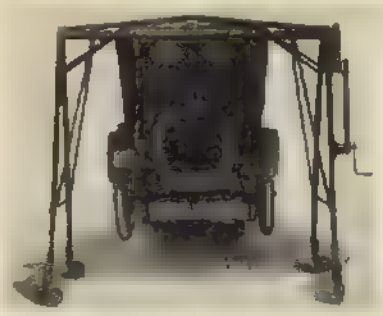
PRICE $12.00—Radium Dial, $1.00 Extra

THE MAGNETIC CLOCK COMPANY
Hartford, Connecticut

Manley Portable Garage Hoist

Manley Mfg. Co.
York, Pa

THE above company is producing a new pressed steel portable garage hoist. By means of a platform that is a part of the hoist, this piece of equipment can be used for lifting



car and truck bodies. Other hoisting jobs for which it is fitted are removing the engine or other heavy units from the chassis or lifting a front or rear end of a car or light truck. The price of the hoist alone is $85.

Whipple Steer-O-Nob

Whipple Mfg. Co.
33 W. 60th St., New York City

THIS device, affording ease of steering, has been brought out by the above company. It consists of a black walnut knob with nickeled base and adjustable clamp which fastens to the rim of the steering wheel and firmly grips all sizes and kinds of wheels. It is said to afford better control of the steering wheel when turning or parking the car and permits relaxation when driving. Price is $5

Manley Auto Lifter

Manley Mfg. Co.
York, Pa

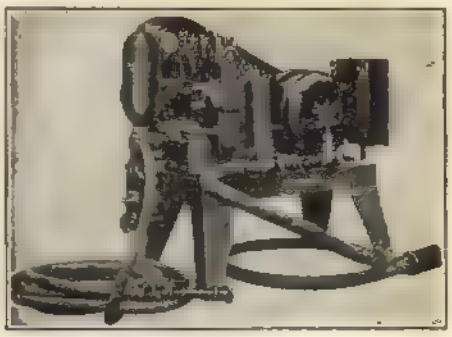
A FEATURE of the Universal Auto Lifter offered by the above company, is it lifts from the bottom, thus eliminating overhead chains and extensions. This portable lifter can be used in unloading double-decked freight cars. It is also designed to raise the front or rear end of an auto, for which operation a longer base is furnished. With the long base an extension arm is supplied by means of which the lifter may be used to remove motors, transmissions and bodies. The high lift is 7 ft. 2 in. and the lifting pad lowers to 6 in. The lifter with attachments is priced at $115 and with the short base only lists at $85.

The company is also offering a 5-ton High-Draulic Jack especially designed for bus and truck work. This jack has roller bearing wheels and ball bearing casters. The jack, equipped with steel wheels, is priced at $125 and may be had with rubber tires for $145

Curtis Hydraulic Washer

Curtis Pneumatic Machinery Co.
St. Louis

A HYDRAULIC car washer is now being manufactured by the above company. Hydraulic outfits are made in three sizes: one-nozzle with 1 hp motor, two-nozzle with 3 hp motor and two-nozzle oversize with a 2 hp motor for faster

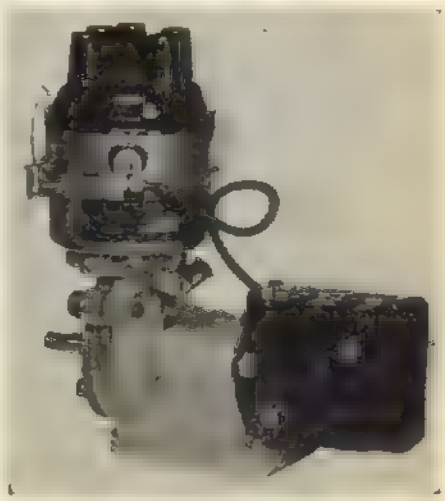


work. Guns provide for both chassis wash and body spray and have a spring automatic shut-off. Nozzles can be locked in either spraying position. The pump has three cylinders with bronze valves, drop forged crankshaft and long-skirted pistons. Drive from motor is by roller chain which is fully guarded. An automatic governor by-passes water when pressure exceeds 300 lb. The outfit starts unloaded, preventing blowing of fuses by excess motor starting current. Eight feet of 1 in. suction hose, with strainer, and 25 ft. of ½ in. discharge hose for each nozzle is supplied with each outfit.

North East Battery Ignition Unit

North East Electric Co.
Rochester, N. Y.

A HEAVY-DUTY battery ignition unit intended for use on trucks, buses and taxicabs has been placed on the market by the above company. The unit is adapted for standard S. A. E. magneto base mounting. Ball bearings are used



in place of straight sleeve bearings. The ignition coil is iron-clad, water-proof and easily accessible. An automatic spark advance is incorporated in the unit, with supplementary manual control. Lubrication requirements are minimized by use of grease packed ball bearings.

Wharton Cushion Guard Rail

Churchville Mfg. & Laboratories Co.
Philadelphia, Pa.

RUBBER cushions are employed to absorb shocks in the Wharton cushion guard rail. The rails are furnished in either Hilo crystal

finish or in nickel plate which is guaranteed rustproof for five years. Rear bumperettes to match also are available.

Rose Side Awnings

Frank Rose Mfg. Co.
Hastings, Neb.

PROTECTION from the sun is said to be provided by these side awnings. These are snapped into place, and no brackets are required. They are made of high grade awning material, in stripes with fringed edge. A 5/16 in. steel rod forms the bottom and ends of the awning and is bent at each end so as to fit into the channel felt of the window, the spring tension of the rod holding the awning in place. Price varies from $2.50 to $4.75, according to size and material.

Universal Windshield Cleaner

Monarch Tool & Machinery Co.
522 S. Clinton St., Chicago

MANUALLY operated windshield cleaners are being produced by this company. These cleaners are being made in two models, a single cleaner which wipes one side of the windshield and a double cleaner, which cleans both sides. The pressure exerted on the glass by the wiping arm is adjustable and the installation is easily

made by drilling a hole through the top of the windshield or by clamping with the extra bracket. These cleaners are packed in individual cartons. Prices: single cleaner $1; double cleaner $1.25.

Tiffany Rad-I-Grams and Town Plates

Tiffany Aluminum Products Co., Inc.
St. Louis, Mo.

RAD-I-GRAMS are highly polished cast aluminum initials designed for attachment to the front of the radiator. These, together with the town plates, have recently been added to the line of the above company. Each Rad-I-Gram is packed in an individual envelope and is furnished complete with rods for attaching to the front of the radiator. List price for each initial

is 45 cents and a set of three retails at $1.25. Dealer assortments of 60 or 100 letters are attractively packed for counter display purposes. Town plates for the principal cities in both the block and script type are stocked and are made of highly polished cast aluminum. These are packed in individual envelopes complete with threaded rods for attaching. List price block type $1, script type $1.50.

Bosch Universal Ignition Coil

American Bosch Magneto Corp.
Springfield, Mass.

AN ignition coil, which, it is claimed, can be applied to any car is made by the above company. It has a very unique L-shaped bracket which does the work usually done by brackets installed on the end or side of conventional coils. The portion of the bracket parallel with the coil is slightly curved so that it can be applied to a generator where an installation of this sort is used on the car. It is also provided with a universal condenser which is inclosed in metal. The coil, complete with bracket, lists at $5.50 and the condenser at 75 cents.

Head-Base for Hi-Lo Horse

Garage Utilities Co., Inc.
Hackensack, N. J.

A MALLEABLE iron detachable head base 8 in. in diameter is being manufactured for use with Hi-Lo horses. After the head is

fitted to the horse a jack can be placed on the head and with the model A Hi-Lo horse a maximum height of 41 in. can be obtained. With the model M and model B horses maximum heights of 49 in. and 59 in. respectively can be obtained. Price of head base $2.50.

Manley Hydraulic Jack

CAPACITY 2½ TONS

The Fastest, Easiest Jack you ever used

Operates Like a Barber's Chair

The hydraulic principle eliminates most of the frictional losses, making it easy to lift the maximum load with one hand.

The Jack lowers automatically when you press the foot pedal.

From dead flat to Full clearance

(Minimum height 5¼")

With any balloon tire
(Lift 10 inches)

Jack may be operated by long or short strokes with the handle in any position from vertical to horizontal, making it easy to use under overhanging bodies or in close corners.

Wheels are equipped with roller bearings and casters with ball bearings, making it easy to roll cars over rough floors.

Jack is provided with safety valve, making it impossible to overload.

Cat. No. 555—Manley Hydraulic Jack (steel wheels).....$48.

Cat. No. 556—Manley Hydraulic Jack (rubber tires).....$59.

Your Jobber has them in Stock

MANLEY MFG. CO., -- YORK, PA.

MANLEY

WRECKING CRANES

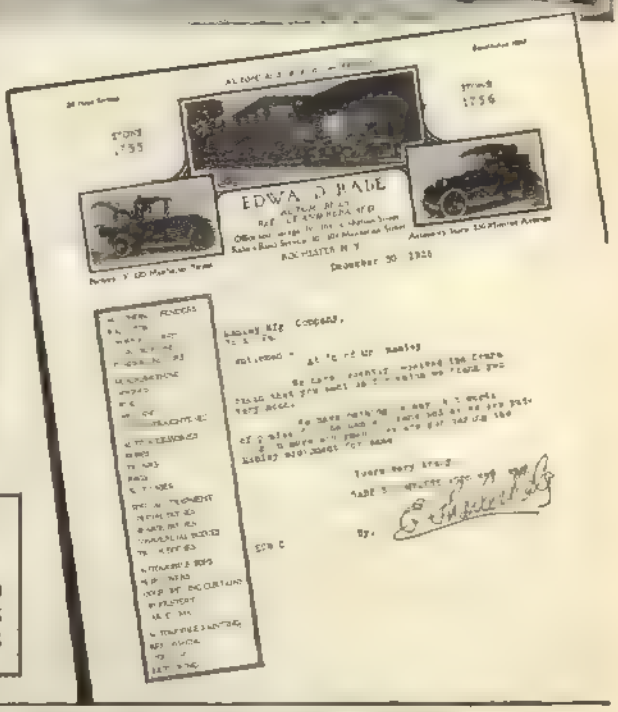
Garage men prefer them

Mr. Rabe Has Standardized on Manley Equipment

Mr. Rube operates a fleet of service cars. He specializes on road service and his experience has satisfied him that "Manley Equipment is the Best."

The Manley Wrecking Crane is, we believe, the most satisfactory piece of service equipment on the market today. Ask the men who operate fleets of service cars. Almost invariably after they have installed their first Manley Cranes they will use nothing but Manleys. Watch for them on the road. There are more Manleys than any other make.

Whether it is a Crane, a Press, a Hydraulic Jack or some other piece of service equipment, you can depend upon it one hundred percent if it is a Manley product



MANLEY CRANES ARE AVAILABLE IN THE FOLLOWING SIZES:

No. 101, 2½ Ton $100
No. 107, 3½ Ton $135
No. 105, 5 Ton $275

Order from your Automotive Jobber now and be equipped to bring in those Profitable Rebuilding Jobs.

For new Catalogue describing the entire Manley line write to

MANLEY MFG. CO., YORK, PA.

American *Hammered* Piston Rings

THE BEVEL (on the upper edge) spreads a uniform film of oil on the cylinder walls, insuring proper lubrication.

THE GROOVE (on the lower edge) always stays full of oil, a further insurance of perfect lubrication.

OILSLOT

The oil governing Piston Ring

50¢

No higher than ordinary oil rings

THE SLOTS are cut through the lower edge of the ring and the oil does not have to leak past the face of the ring before it can drain off through the slots. There is no tendency for these slots to clog up.

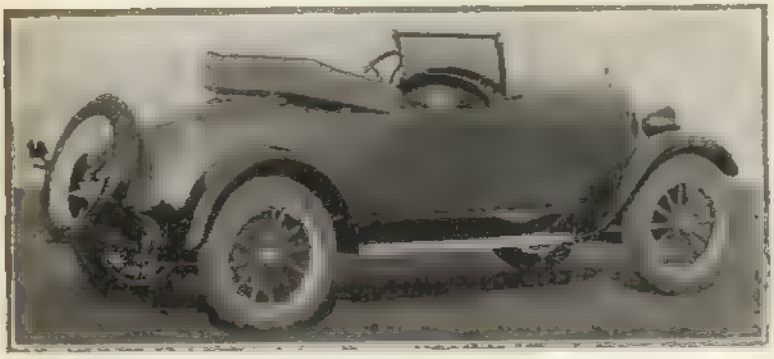
HAMMERING creates outward tension, causing ring to "hug cylinder walls" throughout the life of the ring.

American Hammered Piston Ring Co. *Baltimore, Md.*

World's Largest Manufacturer of HAMMERED Piston Rings

Little Marmon Brougham at $1,895

Latest addition to the eight line offered in a number of color options. The company reports the addition of nearly 300 dealers and distributors since the first of the year



Essex 70 M.P.H. Speedster

Two passenger speedster equipped with lower axle ratio is guaranteed to do 70 miles per hour, and lists at $700. Equipment includes instrument board, gasoline gage and rear traffic signal

Kissel Special Brougham

A late addition to the 8-75 line listing from $2,095 and upwards depending on equipment desired. Color options are Lenglen green with black wheels and green gray light with Winton green wheels, both with hairline stripes in contrasting colors

Studebaker Commander Coupes

Two coupes, a four and a two-passenger style, are now offered on the Commander Big six chassis. The four-passenger body is upholstered in mohair and lists at $1,645; the two-passenger model is upholstered in genuine leather and lists at $1,545

MARQUETTE Equipment

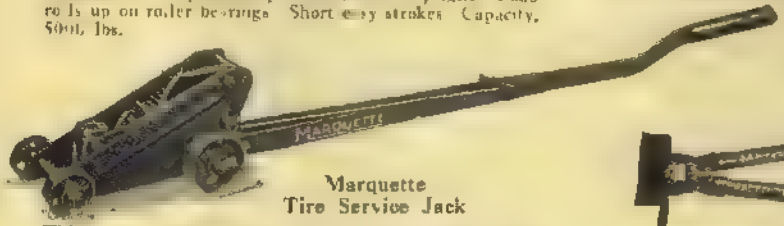
Handy—*Dependable*—Profitable

Marquette Roller Lift Balloon Jack, Model D

The all purpose jack. Lifts from 5 3/4 in. to 17 1/2 in. Handle has 5 operating positions, locks upright. Load rolls up on roller bearings. Short easy strokes. Capacity, 5000 lbs.

Marquette Heavy Duty Crane

Exclusive enclosed gearing lifts 1000 lbs. for every 6 lbs. exerted at handle. Universal swivel head, chain drops through for direct pull. *Capacity 3½ tons. Operated manually, or electrically, with any auto battery.* Electric attachment lifts 4000 lbs.

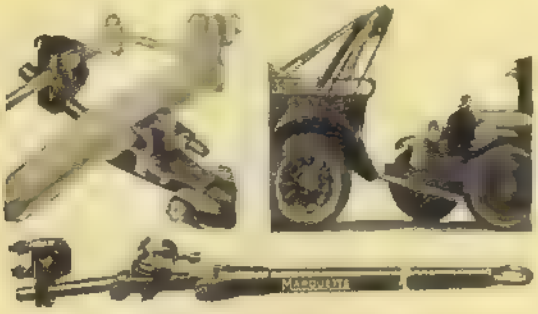


Marquette
Tire Service Jack

This small, handy jack lifts a ton and a half. Low 4½ in., high, 15½ in. For garages, tire shops, service cars, etc.

Marquette
Spacer Tow Bars

For speedy, safe hauling of wrecks. Used with any crane. Full universal. No jerks, absolute control. Quickly attached.



Marquette *One-Man* Tow Pole

It steers as it tows. No extra man needed. Handy for towing disable cars or new cars. Tracks perfectly.

Marquette Steering Gear Tow Lock

For towing wrecked cars backwards. Holds front wheels in line. Every service car needs one.

Other Marquette Products:

Light and heavy duty ambulances, Oil Service Set, 2-Way Grease Bucket, Air Tower, Service Cart, Universal Press.

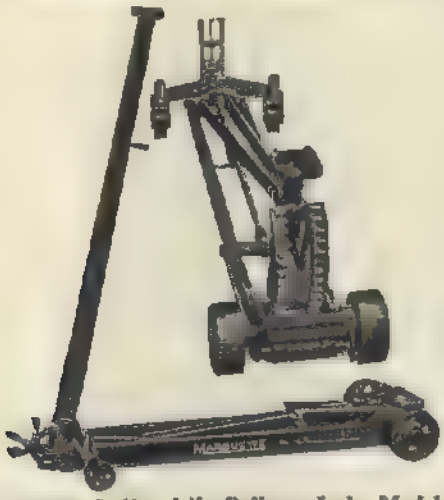
Order From Your Jobber or Write Us

MARQUETTE MFG. CO., ST. PAUL, MINNESOTA

MARQUETTE Equipment

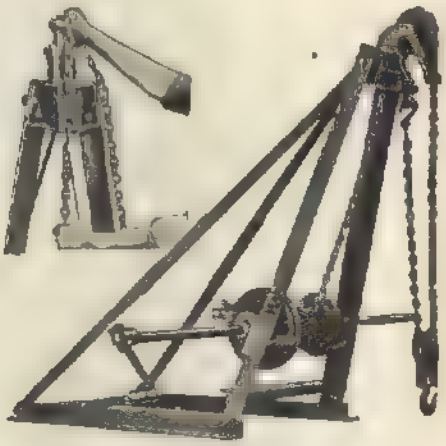
Reg. U. S. Pat. Off.

Handy—*Dependable*—Profitable



Marquette Roller Lift Balloon Jack, Model D

The all purpose jack. Lifts from 5½ in. to 17½ in. Handle has 5 operating positions, locks upright. Load rolls up on roller bearings. Short easy strokes. Capacity, 5000 lbs.



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Other Marquette Products:

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Order From Your Jobber or Write Us

MARQUETTE MFG. CO., ST. PAUL, MINNESOTA

MARQUETTE

Use the Quick, Easy, *Electric* Way to Handle Wrecks

Hard, heavy hand cranking is a thing of the past to owners of the new Marquette Electric Crane. It handles any wreck much quicker, with instant, positive control. Lifts 5000 lbs. electrically, 7000 lbs. by hand. Uses any 6-volt auto battery. Handy to operate with two-way switch. Auto-type brake for absolute control. Standard 6-volt motor. Gears entirely enclosed. Run in oil. Universal swivel head. A modern, efficient crane and a great advertisement for your service. Can be operated by hand when desired.

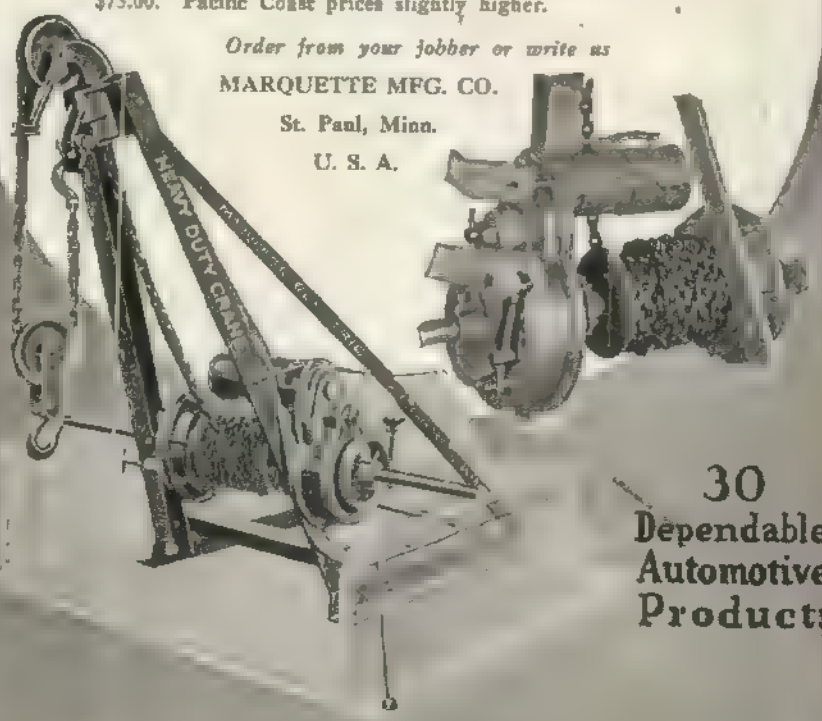
Net price, Electric Crane, $162.50. Crane without electric attachment, $87.50. Attachment alone, for Marquette cranes, $75.00. Pacific Coast prices slightly higher.

Order from your jobber or write us

MARQUETTE MFG. CO.

St. Paul, Minn.

U. S. A.



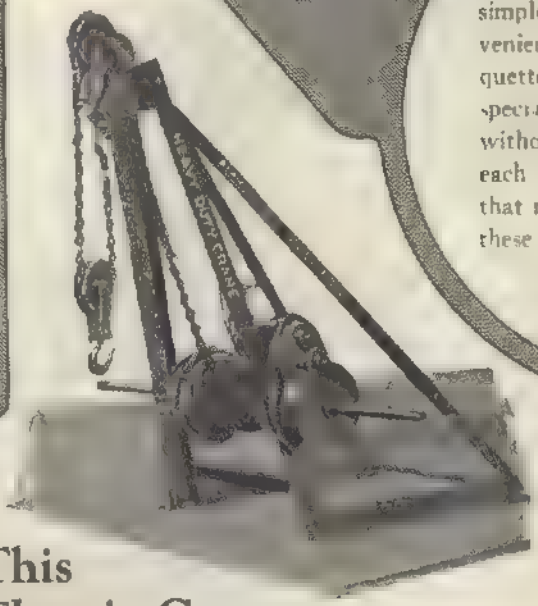
30 Dependable Automotive Products

MARQUETTE

Reg U. S. Pat. Off

All your car handling jobs are simpler and easier with this convenient equipment. Each Marquette tool does its work like a specialist, in the best possible way, without fuss or trouble. And each has some new handy feature that makes it more desirable. Use these leaders!

Marquette Mfg. Co.
St. Paul, Minn., U. S. A.



This *Electric* Crane

lifts 2½ tons with any 6 volt auto battery. Total capacity 3½ tons. Instant, positive control, 2-way switch. All gears enclosed, running in oil. Crane has *universal swivel head.* Chain drops through for direct pull off drum when desired. *Here's the equipment that gives you a quicker, easier way to handle all wrecks.*

Order from your jobber or write us

Prices

Crane and electric attachment, $162.50. Crane without attachment, $87.50. Electric attachment, $75.00. On Pacific Coast, slightly higher

Marquette Spacer Tow Bars

For speedy, safe hauling of wrecks. Used with any crane. Full universal. No jerks, absolute control. Quickly attached. Price $20. Pacific Coast $22.50.

Marquette Steering Tow Lock

For towing wrecked cars backwards. Holds front wheels in line. Every service car needs one. Price $4.75. Pacific Coast, $4.95.

Marquette *One-Man* Tow Pole

Self-steering. Tracks perfectly. No extra man needed. Handy for towing disabled cars or new cars. Price, $18. Pacific Coast, $19.

Manufacturers of Marquette Universal Press; Shop Service Cart; Light and heavy duty ambulances; Air Tower; Oil Service Set; 2-Way Grease Bucket; Bumpers and Fender Guards for Ford, Chevrolet, Star and Pontiac.

This *Electric* Crane

Handles Wrecks Quicker and Easier

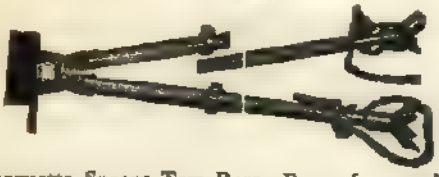
Here's the latest! A power-driven crane that saves time, trouble, labor and money. Now, one man can handle any wreck situation with the new

MARQUETTE Heavy Duty Crane

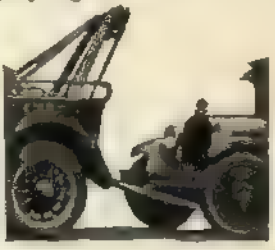
Reg U S. Pat. Off.

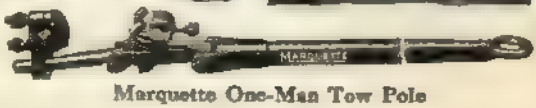
Electrically Operated

Lifts 2½ tons with motor—3½ tons by hand. Uses any 6-volt automobile battery. All gears enclosed, running in oil. Handy 2-throw switch. Constant, positive control of job. Can also be cranked by hand, with or without the power. Has standard 6-volt motor. Can be furnished to put on Marquette Cranes now in use. Crane has universal swivel head. Price, Crane and attachment, $162.50. Crane without attachment, $87.50. Electric attachment, $75.00. Pacific Coast prices slightly higher.



Marquette Spacer Tow Bars. For safe, speedy hauling of wrecks with any crane. Full universal. No jerks. Quickly attached or detached. Price $20. Pacific Coast, slightly higher.





Marquette *One-Man* Tow Pole. Steers as it tows, tracks perfectly. No jerks. Handy for either new or disabled cars. Price $18. Pacific Coast, $19.

Marquette One-Man Tow Pole

Marquette Roller Lift Balloon Jack Model D

The all-purpose Jack. Lifts from 5½ in. to 17¼ in. Handle has 5 operating positions. Locks upright. Load rolls up on roller bearings. Short easy strokes. Capacity, 5000 lbs. Net price $34. Pacific Coast, $38.

Marquette Tire Service Jack

This small, handy jack lifts a ton and a half. Low, 4½ in., high, 15½ in. For garages, tire shops, adjusting brakes, washing wheels. Every service car needs one. Net Price $18. Pacific Coast, $19.

Order from Your Jobber or Write Us

MARQUETTE MFG. CO., St. Paul, Minn.

U. S. A.

Other Marquette Products: **Marquette** Steering Gear Tow Lock; Light and Heavy Duty Ambulances; Oil Service Set; **2-Way Grease Buckets**; Air Tower; Shop Service Cart; Universal Press; Marquette Fender Guards, **Bumpers and Trunks**; Dash Gasoline Gauge for Fords.

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Handles Wrecks Quicker and Easier

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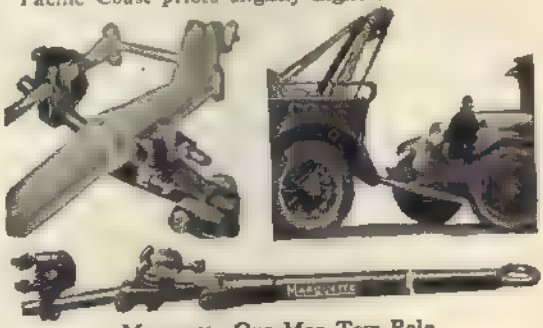

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MARQUETTE

Registered U. S. Pat. Office

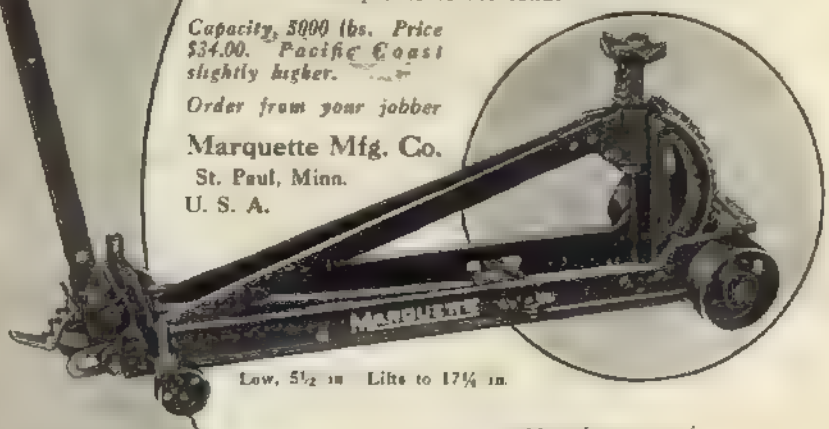
Roller Lift Balloon Jack

Lifts any car in the shop, new or old, with any tires. Its handy foot lever raises jack instantly to working height. Roller bearings for easy lifting. Handle has 5 operating positions; locks up right out of aisle. Extremely simple to lower load.

Capacity, 5000 lbs. Price $34.00. Pacific Coast slightly higher.

Order from your jobber

Marquette Mfg. Co.
St. Paul, Minn.
U. S. A.



Low, 5½ in. Lifts to 17¼ in.

Manufacturers of

Marquette Heavy Duty Electric Crane; Spacer Tow Bars; One Man Self-Steering Tow Pole; Steering Gear Tow Lock; Oil Service Set; 2-Way Grease Bucket; Air Tower; Shop Service Cart; Universal Press and *the NEW Marquette Accessory Merchandise*

The Little Jack With the BIG LIFT

You can lift a corner of any car with this small handy jack. *Has 11 inch lift.* Low, 4½ in., High, 15½ in. Keep one in the service car. Use one in the shop for changing tires, adjusting brakes, etc.

Price $18.00
Pacific Coast $19.00

MARQUETTE
TIRE SERVICE JACK

MARQUETTE

Registered U. S. Pat. Office

Roller Lift Balloon Jack

HEAVY lifting is easy work with this *short-stroke*, roller-lift jack. It is unequalled in simplicity and freedom from trouble. Handle has 5 working positions. Capacity 5000 lbs. Net prices, $34.00. On the Pacific Coast, $38.00.

Order from your jobber or write us

Marquette Mfg. Co., St. Paul, Minn., U. S. A.

Low, 5½ in. High, 17¼ in.

Marquette Tire Service Jack

Here's the extra jack you need for the service car, for tire changing, washing wheels, adjusting brakes. Has 11 inch lift. Low, 4½ in. High, 15½ in. Capacity 3000 lbs. Net price $18.00. On Pacific Coast $19.00.

Manufacturers of

Marquette Heavy Duty Electric Crane, Spacer Bars, One Man Self-Steering Tow Pole, Steering Gear Tow Lock; Oil Service Set; 2-Way Grease Bucket; Air Tower, Shop Service Cart; Universal Press, Accessory Merchandiser, Car Washer, Tire Changer.

Siko-Lite Non-Glare Bulb and Automatic Dimmer

Remo-Lite Corp.
Meriden, Conn.

THE Siko-Lite headlight bulb, made by the above company, is equipped with a concentrated filament of 21 c.p. the ends and sides being covered with a highly reflecting material arranged so that all the internal reflected light passes out of the bulb and produces more light. It is highly efficient in penetration during foggy and rainy weather, and also functions as a non-glare with automatic dimming

Jefferson Auto Lamp Tester

Jefferson Electric Mfg. Co.
Chicago

THE tester made by the above company, in addition to testing all automobile lamps has a socket for testing all flashlight lamps. It is mounted in a black enameled case and equipped with two nickeled auto lamp sockets, a flashlight socket, a bracket for attaching to wall or counter, seven feet of cord, a separable plug and a switch for reducing the voltage. List price, $4.00; west of Rockies, $4.10

Hawkeye Moto-camp Portable Refrigerator

Burlington Basket Co., Burlington, Iowa

THE above company is manufacturing the new portable refrigerator for automobiles, which makes it possible for motorists on camping tours to keep food fresh and wholesome.

Kokomo Onyx Gear Shift Ball

Kokomo Automotive Mfg. Co.
Kokomo, Ind.

THE above company has just announced the new gear shift ball made from imported onyx. They are made in two styles, locking and non-locking types. The locking type is held in place by a new locking device, composed of a highly tempered Swedish steel flat spring, which holds the ball firmly in place and prevents its removal. The Fulton Co., Milwaukee, is exclusive sales representative for this and all other Kokomo products.

Marquette Tire Service Jack

Marquette Mfg. Co.
St. Paul, Minn.

THE new and improved jack announced by the above company employs the cantilever lift principle using traveling pawls and a stationary pawl rack. It is equipped with a new sure grip swivel cap. The jack is constructed of steel throughout, with drop forged pawls and heat treated swivel cap. The jack automatically drops to low position after load leaves cap and cannot drop while load is on. Long handle gives a big leverage. It has a lift of 11 in. from 4½ in., weighs 45 lb. and has a capacity of 1½ tons.

Hempy-Cooper Universal Kon-Rod Reboring Machine

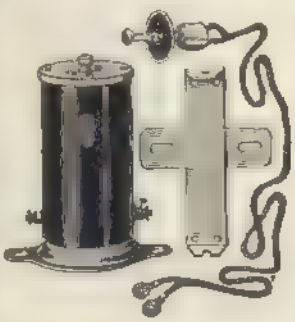
General Equipment Corp.
Kalamazoo, Mich.

THE above company has developed a universal connecting rod boring machine that is said to refinish connecting rod bearings with exceptional precision and speed. It not only refinishes the bearing but also faces off the end of the new bearings in order that the rod will have the proper side play on the shaft. The price is $450.

All-in-One Coil

C. E. Niehoff & Co.
Chicago, Ill.

A NEW ignition coil has been put on the market by the above company. The condenser, resistance and all windings are incased in the coil as one compact unit. It has a condenser within itself and can be easily shunted out if the condenser on the car is to be used. It will operate on all makes of cars and is made in three types: A, B and C. Type A is equipped with a cold weather starting equipment that is embodied in the coil and does not interfere with the normal action of the coil. It is controlled by a push switch on the dash. By pressing the button at the time of starting it produces an intense spark. Type B is the same as Type A, but without the starting equipment. Type C is without the starting feature and is designed to meet modern engineering conditions and is furnished complete with bracket. Types A and B are furnished with two brackets.



MARQUETTE

Wreck

Handling Equipment

A Decided Advancement in Cranes

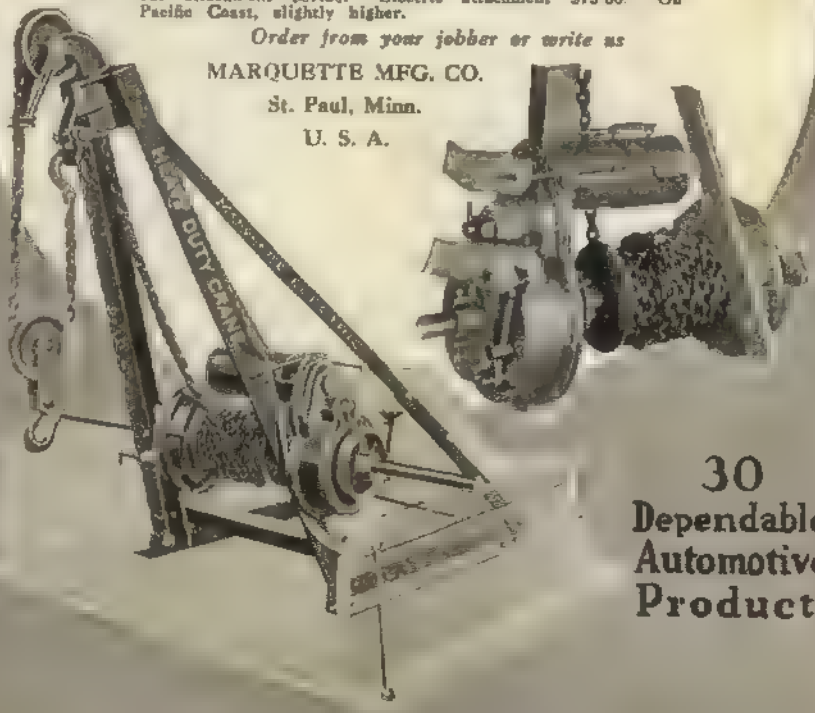
YOU simply turn on the juice! This electric crane does all the hard work of cranking. One man handles the whole job of pulling out the toughest wreck.

Lifts 2½ tons with any 6 volt auto battery. Hand capacity 3½ tons. Instant, positive control; 2-way switch; efficient brake; all gears enclosed, running in oil. Crane has *universal swivel head.* Chain drops through for direct pull off drum, when desired. *Here's the equipment that gives you a quicker, easier way to handle all wrecks.*

Prices—Crane and Electric attachment, $162.50. Crane without attachment $87.50. Electric attachment $75.00. On Pacific Coast, slightly higher.

Order from your jobber or write us

MARQUETTE MFG. CO.
St. Paul, Minn.
U. S. A.



30
Dependable
Automotive
Products

MARVEL
Carbureters

LOGICAL DESIGN
AUTOMATIC HEAT CONTROL

THE general use and acceptance of a product is usually in direct proportion to that product's superiority over others.

In the production of Marvel Carbureters, logical designs, based upon the very soundest of proven engineering principles and applied separately to certain carburetion problems, have been applied. The exclusive Marvel feature of applied heat, under automatic control, directly to the throttle where it is needed, has also proved a most important factor in making Marvel carburetion smooth, reliable and economic. Consequently, Marvel Carbureters have been chosen for original installation on Buick, Nash, Oakland and recently, Hudson cars.

There is no more conclusive evidence of the worth of an automotive product as such acceptance. Such acceptance *proves* finally that Marvel Carbureters have correct engineering principles —

+ *results*

Marvel Carbureter Company

1400 St. Johns St. FLINT, MICH.

APRIL SHOWERS
bring
RAINSPOTS

but don't worry—

SUN-RAY
SUPER METAL POLISH

takes them out

THEN GIVE THE CAR BODY A TREATMENT WITH SUN-RAY SUPER-FINISH. CLEANS AND WAXES WITH ONE OPERATION

The line that created its own demand

Write for Samples

SUN-RAY SALES CO.
CHICAGO, ILL.

South Orange N. J. | San Francisco Calif.

ORDER Your McCord Ford Radiators Now!

New Low Prices in Crates of Four

Tubular (Low Type) 1917-23 **$8.30**
(Original Type) (High Type) 1924-27
Without shell F. O. B. Detroit

Honeycomb (1917-23) **$8.30**
Without shell
F. O. B. Plymouth, Ind.
(High Type) 1924-27 **$8.55**

READ THIS IF YOU ARE LOCATED WEST OF THE MISSISSIPPI

Warehouse stocks are located at Kansas City and Twin Cities to take care of dealers west of the Mississippi. The cost of shipping from factory to warehouse in carload lots is only 25c per radiator. Therefore, add only 25c to above prices when ordering from warehouse stock.

Billing through your McCord jobber—Shipment direct from factory to you
Shipment only in crates of four radiators, one type, late or early model. Crates cannot be mixed.

THESE EIGHT McCORD FEATURES SELL RADIATORS:

1. McCord exclusive shock absorbing brackets protect the radiator from damage.
2. Heavy gauge brass ribbed tanks give extra protection, long life.
3. Long inlet neck makes a better connection to motor—lessens chance of alcohol leakage.
4. McCord radiators are made of brass throughout with all points of water contact tin core tinned or solder coated—protection against alkali water.
5. McCord extra strong side brackets, firmly attached to top and bottom tanks greatly strengthen the radiator.
6. Curved overflow pipe of brass firmly attached plenty of fan clearance.
7. Taper filler neck—attractive rubber cap
8. Guaranteed by McCord you sell em McCord stands back of them.

ORDER NOW USING THIS ORDER BLANK

Make direct shipment of following McCord Ford Radiators:

Crates of 4 each. Tubular. . . . . Honeycomb . . . . . Price
(Check and write in your)

Bill this order through
(Or Nearest McCord Jobber) (Print Name of Your McCord Jobber Here)

Your Name . . . . . Street . . . . . City . . . . . State
Please Print

McCord Radiator & Mfg. Co., Detroit, Mich.

Largest Builder of Tubular and Honeycomb Radiators.

Endless Jobs—and Sales —Await this Cleaner

PRESTO-VAC is the whisk-broom size of an electric suction cleaner. ***Presto-Vac*** does a real job in a thousand places where any other cleaner would be impossible, clumsy, or a nuisance. ***Presto-Vac*** brings its power-brush right to the job, as no "attachments" can. And ***Presto-Vac***, far more efficient for its weight than any cleaner ever built, uses only negligible current, equal to one half one 60 watt lamp.

In homes, ***Presto-Vac*** easily does things that are too much work in any other way. In tailor shops and hotels, ***Presto-Vac*** is a sanitary, pleasing, business-builder. For millinery shops, for "cleaning-up shops", and for endless other business uses ***Presto-Vac*** is today the only way.

With life-time motor, with fine lines and balance, with every element of novelty and fascination, ***Presto-Vac*** sells strong over all electrical appliance counters. Progressive jobbers will supply you.

METAL SPECIALTIES MFG. COMPANY
338-352 North Kedzie Avenue, Chicago

Presto-Vac

The PEDRICK slotted, beveled oil-control rings sell at the same price as plain compression rings—25 cents each, and up—in the *Economy Carton* [combination package] All PEDRICKS are *Heat-Shaped*—the exclusive PEDRICK process by which better piston rings are made.

Wilkening Manufacturing Co.
Philadelphia

"THE WORLD'S GREATEST OIL RING VALUE"

Why the RADIATOR CAP is the logical place for a motor heat indicator.....

The Moto Meter Company, Inc., is the *pioneer* in the manufacture of motor heat indicators of *every type:* Boyce Moto Meters for dashboard and steering column installation were developed and perfected more than ten years ago—instruments of recognized quality and unquestioned accuracy.

However, the preference of more than 10,000,000 motorists for the Boyce Moto Meter mounted on the radiator cap is so pronounced, we review some of the reasons that have influenced this choice.

ITS principle of operation and performance is unfailing in any altitude, under every driving condition.

Its position is the only place on a car constantly and directly *in the line of driving vision.*

Promotes safety — permits the driver to keep his eyes on the road ahead; a second's inattention might be costly.

Affords relaxation from the strain of constant dashboard attention.

Out front, the one instrument *vital* to the life of the car is away from the confusion of a crowded dash.

The rapid rise of its red column is a definite warning signal of impending motor troubles.

Easy to install, no upkeep, simple in construction—easy to understand.

With a wide selection of models, it adds a finishing touch of beauty to any car without sacrificing utilty.

And—

Everybody's car deserves one!

THE MOTO METER COMPANY, Inc.
Long Island City, N. Y.
THE MOTO METER CO.
OF CANADA, Ltd.
Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company

A properly designed model for every car
List: $3.50 to $15.00

BOYCE MOTO METER

Sell improved *motor performance* .... not just a spark plug!

SPARK PLUGS should always be sold in terms of *motor performance.*

* * *

Every time you sell a set of Moto Meter self-adjusting Spark Plugs you *really* sell a new principle of motor ignition: easy starting, smooth running, quick pick-up, more perfect combustion—in fact, *all* that contributes to improved motor performance. * * *

With its self-adjusting spark gap, new process insulator and many other distinctive features, the advantages of this remarkable plug are quickly evident to the average motorist. When you have pointed out the new principle involved, you have gone four-fifths the way towards the sale of a *set*—the only way to sell the utmost in motor performance; it means greater satisfaction to the user, faster turnover with more generous profits to the dealer.

Spark gap set cold at 15 thousandths of an inch and is to 30 thousandths the instant the engine starts.

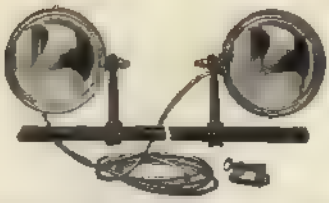
THE MOTO METER COMPANY, Inc., Long Island City, N. Y.
THE MOTO METER CO. OF CANADA, Ltd., Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company

MOTOMETER
SELF-ADJUSTING
SPARK PLUG

These attractive cartons, if displayed, will help sell for you; complete motor satisfaction in convenient form.

IF ITS A MOTOMETER PRODUCT ITS THE LEADER IN ITS LINE

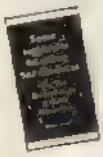


Dealers—New Sales Opportunities with *Improved* SAF-DE-LITES!

Improved in design and construction—vastly improved in performance—better in every way—you'll find Improved Saf-De-Lites a good line for extra profit selling!

Saf-De-Lites project a long-range beam down the right half of the road only. The patented shields kill the glare at the lamp. Saf-De-Lites are well-made, beautifully finished, and can be mounted on any car.

Install Saf-De-Lites on your demonstrator and price it complete with this equipment. Your customers will like the increased road visibility. Write for details of our new sales policy, sales aids, and intensive merchandising program.



Manufacturers
SAF-DE-LITE CORPORATION
Connersville, Ind.

Exclusive Sales
THE ZINKE COMPANY
1323 S. Michigan Avenue
Chicago, Ill.

SAF-DE-LITES

Light the Road where Light is Needed

IMCO Steel Trunks

There's an Imco trunk for *every* make of car. Drawn from steel with crown cover mounted on full length piano hinge. Cannot warp, sweat or mildew. Rubber weatherstrips make it water tight. Finished in a lustrous black enamel or in lacquer to match standard body colors. Leather straps and handles are optional.

The Imco line includes racks and bumperette units for all cars not equipped with trunk deck. Write today for complete information.

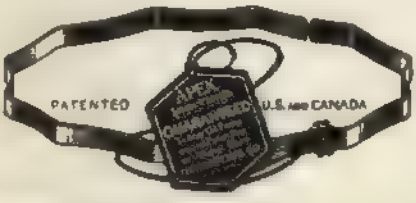
DETROIT METAL SPECIALTIES CORP.
1651 Beard Avenue Detroit, Mich.

When you ask for Innerings you mean APEX

Out of the bewildering confusion of imitations, only one name stands out by itself as the criterion of correct design and guaranteed performance—APEX.

Remember—APEX is the original Innering—the one with the patented design that keeps imitators from using our short, rounded, adjustable points of contact, long, reverse curves that give a velvety cushioning effect, cutting between the crimps that gives an equal racing cushion the entire circumference, and our guarantee tag that insures money back if oil pumping and piston slap is not completely stopped without re-boring; without overheating the motor; without interfering with the oil film. Your jobber has, or can get, genuine APEX Innerings for you.

THOMSON MFG. COMPANY
Dept. 28 Peoria, Ill.



MYERS *Cyclone* AUTO-WASHERS

A MYERS CYCLONE AUTO WASHER will wash cars—thoroughly—in half the time formerly required. For body work a soft spray soaks and cleans thoroughly without harming the finish. For the hard, caked mud and grease beneath the fenders and chassis, a powerful stream under high pressure literally "wipes it off." A CYCLONE WASHER saves time, labor-cost and water—*and puts real profits into the auto laundry business! Now made in one, two and four-gun sizes.*

Write for Our Book TODAY

For dealers, garagemen, service stations and accessory stores, a Cyclone installation will prove one of the best profit producing investments that can be made. A post card today will bring our book, "Dollars From Mud and Water," and full details of the MYERS Cyclone Auto Washer. GET THE FACTS NOW!

THE F. E. MYERS & BRO. CO.
5 Orange Street
Ashland, Ohio

SINKO

Automatic
CIGAR LIGHTER

Two models — clamp on and through dash. Can be used as trouble light in emergency by replacing heating unit with dashlight bulb

List Price $3.50

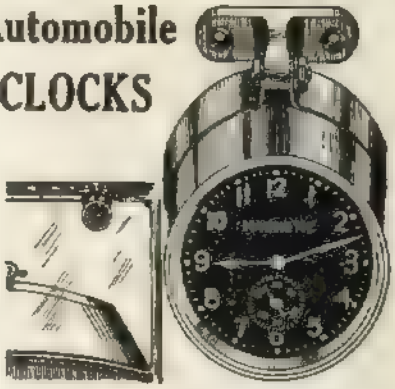
Always a Light!

SINKO stays sold and doesn't come back with complaints. Absolutely fool proof and guaranteed for the life of any car.

Big Profits for Dealers. SINKO is in demand by experienced motorists who know that at last there is a good cigar lighter. Liberal discounts. Write today.

SINKO TOOL & MFG. CO.
351-353 N. Crawford Ave. Chicago, Ill.

MAGNETIC Self-Winding Automobile CLOCKS



For Mounting Over the Windshield

NOW—An electrically wound clock for overhead mounting in closed cars. SERVES ALL THE OCCUPANTS OF THE CAR. Beautifully finished in full polished nickel. Complete with bracket and 5 ft. of cable. Can be installed in an instant. Models for Dash and Steering Post mounting.

From your Jobber or write for prices, discounts, and full information.

The Magnetic Clock Company
HARTFORD, CONNECTICUT

TEST Coils ON Cars—INCREASE Sales of Jefferson U-900's!

DON'T wait for coils to "go dead". Double or treble your coil sales by testing every coil with a Jefferson Portable Tester and replacing all weak ones with Jefferson U-900's — only $4 list (brackets 25 cents).

Jefferson U-900's are the best performance universal coils money can buy. At all speeds on all cars scientifically balanced parts insure instant firing with at burning the points. Guaranteed. Order from jobber.

$4 list coil only

JEFFERSON ELECTRIC MFG. CO.
538 S. Green St. Chicago, Ill.

Jefferson
U-900 Universal Ignition Coil

BCA
"The Right Bearing For Every Car"

Hidden Strength

The real stamina of a car is not seen from the outside—it is hidden away in the bearings where the heaviest loads are carried. B. C. A. Bearings provide strength at the points where it is most needed. Their accuracy is insurance on the life of the car.

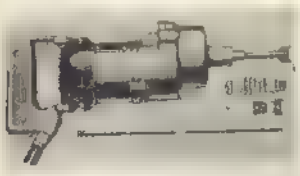
B. C. A. Bearings are the product of "Bearings Headquarters."

Bearings Company Of America
Plant Lancaster, Penna.
Detroit Heinfon Office 1012 Ford Building.

Van Dorn Valve Lapper

Van Dorn Electric Tool Co.
Cleveland, Ohio

THIS valve lapper produced by the above company has ample power to lap valves of all sizes. It is the same construction as previous models except that the spindle is designed to oscillate and progressively rotate. The oscillating movement keeps at all times a proper coating of grinding compound between the high spots on the surface to be seated.



The progressive rotation of travel produces a longer lap to surface the high spots. Universal motor will run on alternating or direct current, with a no-load speed, the rotations are 75 per minute, the oscillations per minute being 700. Weight is 7 pounds. It is completely equipped including two spindle shafts, one long and one short, one lift spring and 3 valve blades. Price for 110 volts is $43 and No. 2 extra for 220 volts or 32 volts.

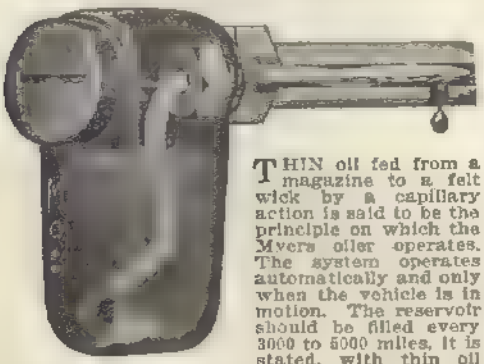
Pacific Rim Tool

Pacific Rim Tool Co.
Cleveland, Ohio

INSTANT adjustability to any size split rim is claimed by the above company for its rim tool. This tool has telescopic legs which radiate from the center. This feature eliminates all possibility of the legs slipping or distorting the rim. The handle will remain set wherever it is left, regardless of the amount of strain on the tool. The arms are hinged and this feature is an added safeguard against springing the rims. Price, $10.

Myers Magazine Oiler

Monmouth Products Co., Cleveland, Ohio



THIN oil fed from a magazine to a felt wick by a capillary action is said to be the principle on which the Myers oiler operates. The system operates automatically and only when the vehicle is in motion. The reservoir should be filled every 3000 to 5000 miles, it is stated, with thin oil from an oil can. The installation is said to be simple and once installed requires no further attention other than the periodic filling. Price, $1.25 each.

Mallory Rotary Ignition Tester

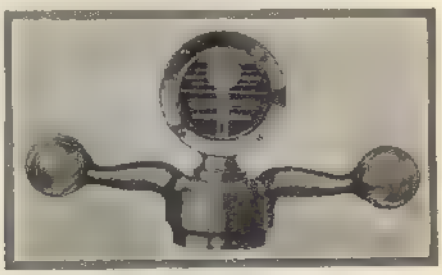
Mallory Electric Corp.
Toledo, Ohio

BY means of a rotary ignition tester manufactured by the above company, it is possible to test the complete ignition system on an automobile. The maker describes it as a disk on which a plug is mounted. The tester is connected in the high tension ignition circuit and when the disk is revolved by means of the attached crank, the manufacturer states that it is possible to locate weak coils. Defective condensers and spark plugs may also be tested by trying them on the disk of the tester.

Neva-Lost Radiator Caps

Welker-Hoops Mfg. Co.
Middletown, Conn.

A NEW radiator cap of the bar type has been added to the line of Neva-Lost radiator caps. This cap is fitted with polished Vitro-Onyx balls and is opened and closed by a self-contained bayonet catch which is operated by giving the bars a quarter turn. In addition to being furnished in sizes to fit practically all popular cars, the new Neva-Lost cap is also designed to fit either the large or small size Moto Meter. The price of the device for small cars is $3.50, for other cars $4.50.



Lupton Ford Glass Rack

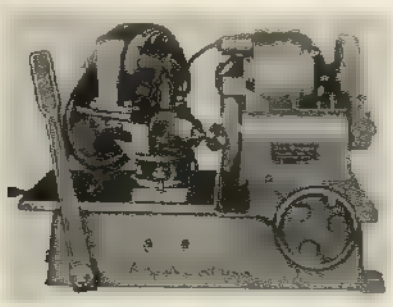
David Lupton's Sons Co.
Philadelphia, Pa.

GLASS totaling $800 net and consisting of 12 sizes of windshield glass and 16 sizes of door and window glass, either with or without channel, are compactly stored in this rack. In the two upper sections the rack is open on both sides permitting the glass to slide in and out easily from either side. The lower structure is divided by a partition permitting the storage of windshield glass up to 18 in. in width on one side and up to 12 in. on the other. Wooden strips extending over the edge of the shelf permit handling without danger of chipped edges. Finished in olive green enamel baked on. Dimensions 8 ft. high, 4 ft. wide and 2½ ft. deep.

Van Norman Model E Valve Refacer

Van Norman Machine Tool Co.
Springfield, Mass.

THE above company announces their Model E two motor valve refacer, to be distributed by the Van Dorn Electric Tool Co., Cleveland, Ohio. It is designed and built for heavy duty work. It retains the features of the Valvo introduced by the company four years ago. It will grind valves up to ⅝ in. stem diameter and 4½ in head diameter. Grinds reseating cutters and valve seat hones to proper angle. Grinds valve lifters, tappets, tappet screws, small spindle bolts, etc. Work head can be turned to 90 deg angle with slide range long enough to grind work having a maximum diameter of 2⅜ in at grinding point on front face of grinding wheel A 5 in. saucer wheel is used to facilitate side wheel grinding. One motor drives the work head and the other drives the grinding wheel The work head is graduated from zero to 90 deg., is driven through a silent gear by the



1/20 h.p. motor and the speed is 380 r.p.m. The grinding wheel is full ball bearing with provision for proper take-up adjustment and the speed is 4740 r.p.m. Both work head grinding wheel slides are mounted on round and flat ways. A special valve chuck is furnished that allows valve stem to be chucked close to valve head above point of wear of valve guide. All chuck head assemblies are tested to an accuracy of .001 in. Independent switches are located conveniently in front of base. Regular equipment includes one ⅝ in. special valve chuck and chuck wrench; one grinding wheel 5 in. diameter by ⅜ in face by ⅝ in. hole, one diamond dressing tool; one cutter resharpening indexing support; one cutter setting gage; one Vee block, one 2 in. Van Norman double-ended roughing and finishing cutter, one ⅜ in pilot for cutter Price for 110 volt, single phase, 60 cycle, a.c., $165. For motors of 25, 30, 40 and 50 cycle a.c., 110 volts and 115 230, 32 volt d.c. add $4.00

Gripper Mud Hooks

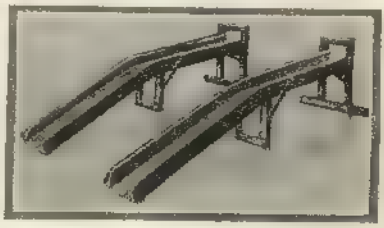
Gripper Mfg. Co.,
536 Lake Shore Drive, Chicago, Ill

THE device illustrated is designed for emergency duty only, such as getting car out of bad ruts, mud holes, etc. The gripper is installed by loosening the set screw, sliding it over tire and then retightening the set screw. Each screw is adjustable ½ in. larger or smaller than the size marked It is said that it will not mar or scratch paint or any part of the wheel and can be used on disk or spoke wheel with equal ease. It is made in all sizes to fit tires from 3½ to 6 in. Listed at prices ranging from $3.50 to $5.00 for set of two.

A. C. E. Portable Inclines

Air Compressor & Equipment Co.
288 East Genesee St., Buffalo, N. Y.

THESE portable inclines are said to elevate the car enough to permit freedom of movement when working under the car. They are placed in line with the car and the car is driven



up the incline. End stops at the end of the level prevent the car from running off. The incline is 3 ft. long and the level 2 ft. long. The car is raised 10 in. from the floor level and is supported by a track 9 in. wide, which has a guard rail 3 in. high. Weight about 85 lb. each.

Goodell-Pratt Electric Drills

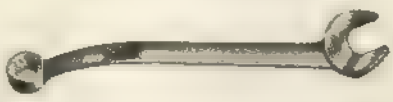
Goodell-Pratt Co., Greenfield, Mass.

SIX different sizes are offered in electric drills by the above company ranging in size from ⅛ in to ⅝ in. The illustration shows the ¼ in. drill which has a no-load speed of 1800 r. p. m., It is stated. The frames of these drills are aluminum castings and are fitted with electric motors, operating on either alternating or direct current. Efficient ventilation is provided and the inlet holes are so placed that chips and dirt will not be drawn into the motor. Gear operated chucks are provided on all sizes, while several types of switches are used, each designed in conjunction with the type of frame for convenience of the operator

Bonney Cylinder Head Wrench

Bonney Forge & Tool Works
Allentown, Pa.

THE above company announces a new chrome vanadium steel cylinder head wrench. It has a hexagonal box head at one end for Ford cylinder head stud nuts and an open end head



at the other end to fit ⅞ in. spark plugs. It is properly offset to make it easy to get at the cylinder head nuts and to assure easiest position in removing spark plugs

Cooper Heater for Chevrolets

Cooper Mfg. Co.
Marshalltown, Iowa

A TOTAL heating area of 164 sq. in. is said to be provided in the heater produced by the above company for use on Chevrolet cars. The heating element is cast iron with a pressed steel jacket, and the installation does not interfere with wires, exhaust pipe, etc., it is said. No alterations are necessary, other than a hole in the upper toe board to receive the register, and the entire installation can be accomplished in one-half hour, it is claimed. A butterfly valve operated from within the car is used to control the amount of heat. Price $7.50

A Napier near Calcutta, India

The Napier—Timken-Equipped

Fine cars of Europe, like fine cars of America, are Timken-equipped. For luxurious performance and exclusive character European engineers select the same bearings which are so nearly universal in this country.

Timken popularity, prestige and sales effect are really the inevitable result of sheer excellence.

The Timken Roller Bearing Co., Canton, Ohio

HUPMOBILE DEALERS MAKE MONEY

Hupmobile Profits Built His $75,000 Establishment

When George Szabo took over the Hupmobile contract for East Chicago in 1919, he found just seven Hupmobiles operating in his territory.

Today in East Chicago, Hammond and Whiting, Szabo Motor Sales has placed more than 600 Hupmobiles. Out of the profits Mr. Szabo has built his present fine establishment. Last year his net profit was $21,000.

The success of Mr. Szabo in a territory, largely industrial, is being duplicated by Hupmobile dealers in every section of America. Details of the Hupmobile contract, known as the most liberal in the industry, will be sent to interested dealers on request.

Any dealer interested in the progress of Hupmobile dealers in his own vicinity, may secure information similar to the above by writing the Hupp Motor Car Corporation.

"The factory's policy and your close cooperation have been a great help in establishing a business and clientele of which I am very proud. If I were to lose the Hupmobile contract I would go out of the automobile business."

Letter of Mr. Szabo to Chicago Distributor.

* * *

25% of all Hupmobile Dealers Have Sold Hupmobiles for Periods Ranging from Twelve down to Four Years.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE
EIGHTS & SIXES

Bargains Are Still Best Sellers

Offering a man a bargain—more honest value than he ever expected for his money—has always been the surest way to make quick sales.

It still is!

That's why, at $4.50, the new Neva-Lost Cameo-Onyx Cap *wins*.

Unbreakable Cameo-Onyx balls. A handy bayonet lock, operated by giving the bars a quarter turn. A husky hinge. Exquisite lines. Beautiful nickel finish. And *thief-proof* protection for the Moto-Meter. Every feature of the Neva-Lost is a selling attraction. And at $4.50, it's a bargain that wins lightning profits for you.

Order Your Assortment Today. You Get a Handsome Display Stand With It—Free

The

NEVA-LOST

Cameo-Onyx
Locking Radiator Cap
$4.50

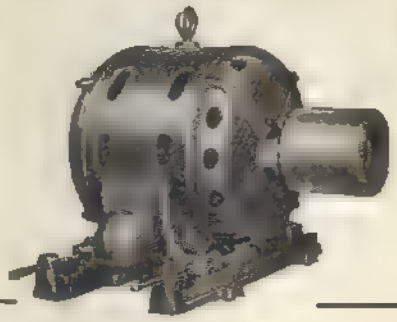
Jr. size for the Smaller Cars—$3.50

Nearly Ready! "Positive Gravity" Gas Gauge

The new, absolutely accurate Gravity Gas Gauge will be ready for you any day now. Keep your eyes peeled for our announcement.

WELKER-HOOPS MFG. COMPANY
Middletown Connecticut

"They Keep a-Running"



7½ Horse Power Century Automatic-Start Induction Polyphase Motor

No Special Starting Controls Required

Any approved single-throw switch can be used for starting Century Automatic-start Induction Polyphase Motors because they combine low starting current with high starting torque.

The fact that no elaborate starting equipment is necessary makes these motors ideal for automatic or remote control.

Operating characteristics are:

1. Starting torque is at least 225% of full load torque.
2. Starting current does not exceed 245% of full load current. Line disturbances reduced to a minimum.
3. Pull-in torque is not less than 125% of full load torque.

Century Automatic-start Induction Polyphase Motors are built in all sizes from ½ to 60 horse power. Temperature rise not more than 40° Centigrade.

Complete information on these motors will be sent on request

CENTURY ELECTRIC CO.
1806 Pine St. St. Louis, Mo.

For More Than 23 Years at St. Louis

½ to 60 H. P. Century MOTORS ½ to 60 H. P.

Customers

or

Clamorers

—Which Are They When They Come Back To You ?

The satisfied customer generally comes back—to have more work done. His satisfaction determines the success of your business, and your profits.

The dissatisfied customer also comes back—but he's not a customer—he's a clamorer—clamoring to have the work done over—for nothing.

You know as well as we do, the importance of accurate measuring in repair work on automobiles.

We want you to know as well as we do, how absolutely you can rely on Brown & Sharpe precision tools for making accurate measurements, even to one ten-thousandth of an inch.

Look for the Brown & Sharpe trade mark when buying precision tools.

BROWN & SHARPE MFG. CO.
Providence, R. I., U. S. A.

Hardware dealers can supply you, or write for Catalog No. 30

BROWN & SHARPE TOOLS

World's Standard of Accuracy

$4.50 List

TWO QUALITY CAPS

Priced for Record Sales

Neva-Lost Radiator Caps are quality built from their handy bayonet lock—opened wide by a quarter turn of the bars—to their thief-proof feature which gives absolute protection to the Moto-Meter. They're exquisitely designed and finished to appeal instantly to a car owner's sense of beauty. And, produced in quantity, their prices make unbeatable, sure-fire selling talk.

The Neva-Lost Cameo Onyx Cap, shown above, is decorated with polished, unbreakable balls of Cameo Onyx, and lists at $4.50. A de luxe cap in everything but price.

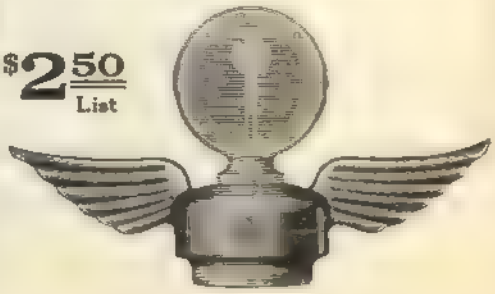
The Neva-Lost Wing Cap, shown below, lists at $2.50—a cap and a price that take car owners by storm.

If Your Jobber Can't Supply You Write to Us Direct

NEVA-LOST

WELKER-HOOPS MANUFACTURING COMPANY
Middletown Connecticut

$2.50 List



Mr. Service Man:

You have your customer's car in your shop for a few hours. Your customer has it on the road for many months, in sun, rain and snow. He expects uninterrupted use of his motor regardless of the time, place or weather.

The kind of timing chain you put into the front end of the motor *does* make a difference. When the mileage reads in multiples of ten thousand it is sometimes chain failure that leaves a driver stranded.

Do the job right. Install the Pioneer Replacement Chain which is famous for its high mileage and does not skip the sprocket teeth.

"WHITNEY"
SILENT CHAINS

A Jobber's Stock is Near You for Sudden Service

SEND FOR THE BOOKLET CONTAINING CAR SPECIFICATION LIST—IT'S FREE

THE WHITNEY MFG. CO.
HARTFORD, CONN.

NEW!

$52.50

IMPERIAL

No. 12
"All-Purpose"
Outfit
for
Welding
Brazing
Carbon Burning
Lead Burning
Radiator Soldering
Preheating

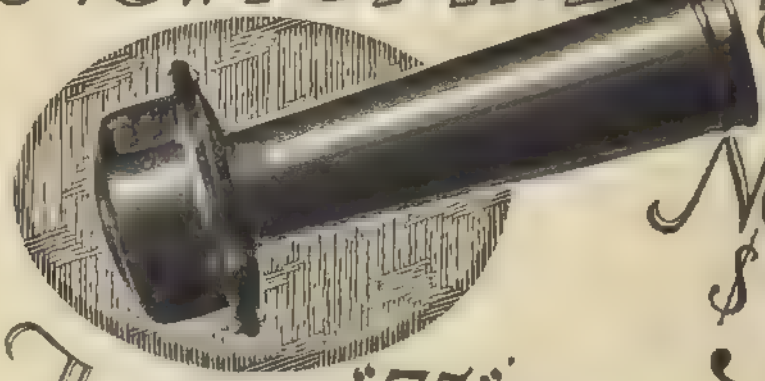
The ever popular Imperial "All Purpose" Outfits are now made even better than before. A new type torch, embodying a new mixing principle, is the chief feature of the new "All Purpose" Outfits. The operations which fall within the scope of this equipment have daily application in even the smallest shops. Garages and repair shops equipped with either of these outfits are assured of profitable business.

The No. 17 "All-Purpose" Outfit is the same as the No. 12 shown here but its two regulators each have two gauges. The price of the No. 17 Outfit, packed in a metal carrying case, is $67.50.

At an extra price of $10, a cutting attachment for either the No. 12 or No. 17 Outfit may be had.

THE IMPERIAL BRASS MFG. CO.
525 S. Racine Ave. CHICAGO

New NORTHEASTERS



The New "50" $5.00

The new "75" Super NORTHEASTER $7.50

NEW *NORTHEASTERS*—new prices. All the popular features of smartness, vibrant tone, and instant response at prices the motorist can't resist. Prices that mean full measure of *NORTHEASTER* dependability; prices that still mean worth while profits to you—and prices that will mean tremendous increases in your sales.

The *NORTHEASTER* "50"—the standard size *NORTHEASTER* now retails at $5.00

The new Super *NORTHEASTER* "75"—a larger horn with the rich, full voice invariably associated with high-priced cars. They'll all be surprised by its price . . . $7.50.

The big Special *NORTHEASTER* "100"—ideal for big cars and buses—now sells at $10.00.

The short-projector Sergeant *NORTHEASTER* "50-S"—can't be beaten for taxicabs, motorcycles and trucks at its new price of $5.00.

And now—for FORDS
The Speedometer That Lasts
Accurate at Every Speed
Easily Installed
Rear Wheel Drive
Complete With Application Parts
$15.00

Be ready for the demand when the public hears about these new *NORTHEASTERS* and their new prices. Our full page in the March 19th issue of *The Saturday Evening Post* will be followed by similar announcements the same month in *Liberty*, *The Literary Digest*, *Life* and *The Country Gentleman*.

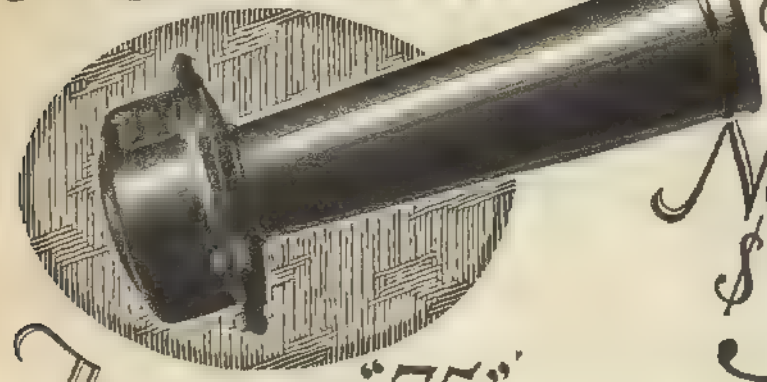
Get your orders in to the nearest NORTH EAST DISTRIBUTOR or BRANCH in time to be assured of early deliveries.

NORTH EAST Products are distributed and serviced by
North East Service Inc.
Rochester · Atlanta · Chicago · Detroit · Kansas City · New York
San Francisco · London · Paris · Toronto
Authorized Service Stations throughout the World

NORTH EAST Products are made by the
North East Electric Co.
Manufacturers of Automotive Equipment
Rochester, N. Y.

STARTING · LIGHTING · IGNITION · HORNS · SPEEDOMETERS · FRACTIONAL H.P. MOTORS

New NORTHEASTERS



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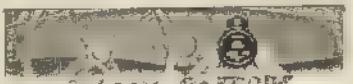
The big Special *NORTHEASTER* "100"—ideal for big cars and buses—now sells at $10.00.

The short-projector Sergeant *NORTHEASTER* "50-S"—can't be beaten for taxicabs, motorcycles and trucks at its new price of $5.00.

Be ready for the demand when the public hears about these new *NORTHEASTERS* and their new prices. Our full page in the March 19th issue of *The Saturday Evening Post* will be followed by similar announcements the same month in *Liberty*, *The Literary Digest*, *Life* and *The Country Gentleman*.



And now for FORDS
The Speedometer That Lasts

Accurate at Every Speed
Easily Installed
Rear Wheel Drive
Complete With Application Parts
$15.00

Get your orders in to the nearest NORTH EAST DISTRIBUTOR or BRANCH in time to be assured of early deliveries.

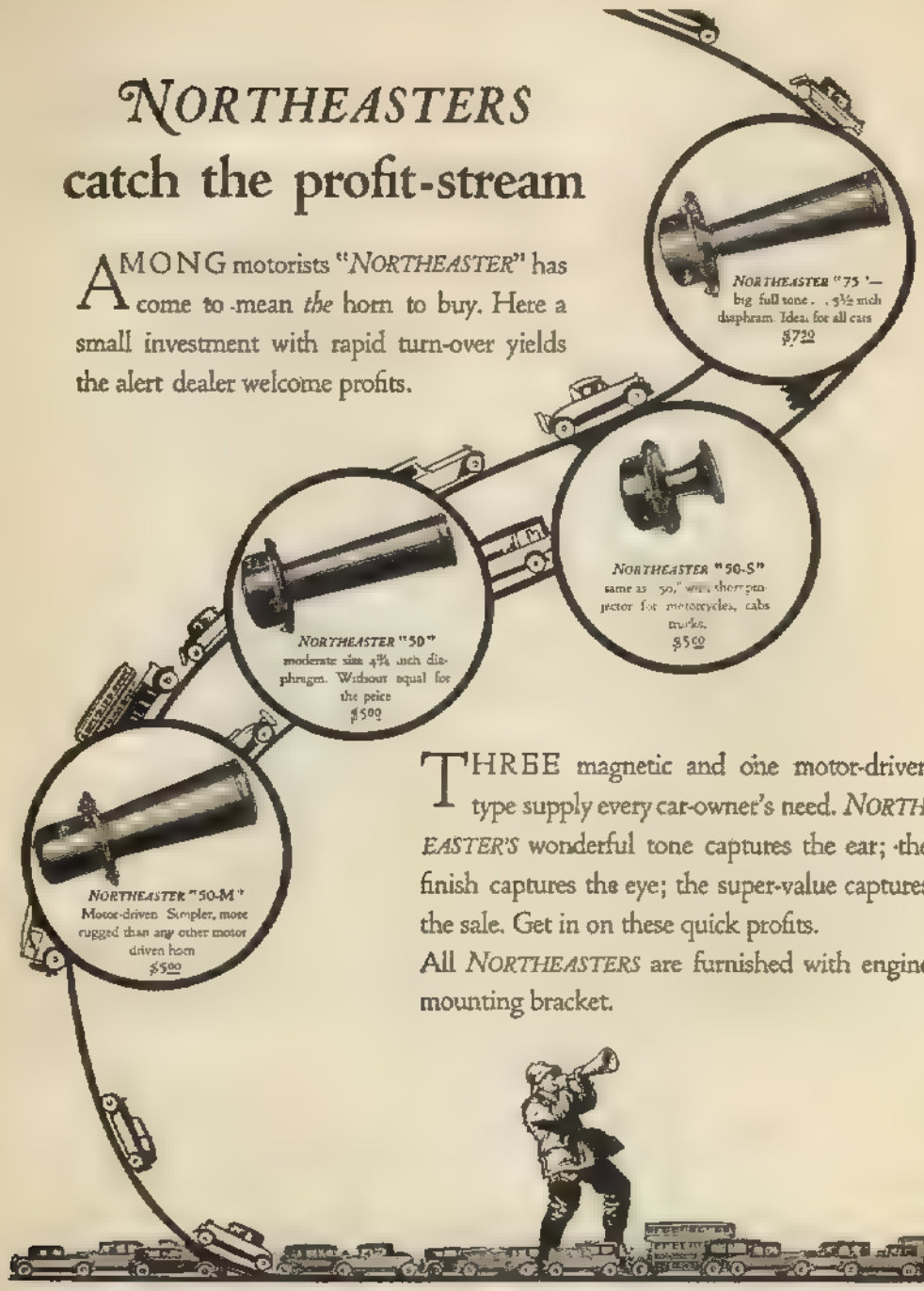
NORTH EAST Products are distributed and serviced by
NORTH EAST SERVICE Inc.
Rochester—Atlanta Chicago Detroit Kansas City New York
San Francisco London Paris Toronto
Authorized Service Stations throughout the World

NORTH EAST Products are made by the
NORTH EAST ELECTRIC CO.
Manufacturers of Automotive Equipment
Rochester, N. Y.

STARTING · LIGHTING · IGNITION · HORNS · SPEEDOMETERS · FRACTIONAL H.P. MOTORS

NORTHEASTERS
catch the profit-stream

AMONG motorists "NORTHEASTER" has come to mean *the* horn to buy. Here a small investment with rapid turn-over yields the alert dealer welcome profits.



THREE magnetic and one motor-driven type supply every car-owner's need. NORTHEASTER'S wonderful tone captures the ear; the finish captures the eye; the super-value captures the sale. Get in on these quick profits.

All NORTHEASTERS are furnished with engine mounting bracket.

NORTH EAST ELECTRIC CO.
Manufacturers of Automotive Equipment and Electrical Appliances
Starters · Generators Ignition · Horns
Speedometers Fract. HP Motors
Electric Drives for Typewriters
Rochester, N. Y.

NORTH EAST
The Equipment That Lasts

NORTH EAST SERVICE INC.
Official Service and Sales Distribution For NORTH EAST *Products*
Rochester Atlanta Chicago · Detroit
Kansas City New York · San Francisco
London Paris · Toronto
Authorized Service Stations the world over

Announcing The

OAKLAND
ALL-AMERICAN SIX

ALL-AMERICAN—that's the word! No other word describes it!

* * *

A bigger, better, brilliantly beautiful car. New bodies by Fisher—new chassis—new engine. New standards of performance, endurance and value—and . . . NEW LOW PRICES.

* * *

In the chassis—new factors of reliability and endurance—factors that people have long hoped to get—but never in a car of Oakland's price.

* * *

A longer, deeper, heavier frame more rigidly braced. A new and softer clutch. A new and smoother transmission. New elements of steering ease, 4-wheel brakes. Smaller wheels (19″), larger tires (29 x 5.50″), a longer wheel-base (117″), and an exceptionally low center of gravity.

* * *

And a new engine—the largest used in any car of Oakland's price—212 cubic inches displacement. A crankcase of bridge truss construction—Oakland's famous rubber-silencing principle—and a new combustion chamber design from General Motors' Research Laboratories.

* * *

Now the Oakland-Pontiac Double-Profit Franchise assumes a new high value. And now it is being more persistently sought than ever before. If you are interested in the selling agreement which includes both the All-American Six and the Pontiac Six, write Dept. E - -. Thousands of dealers are writing, so act without delay.

NEW LOW PRICES

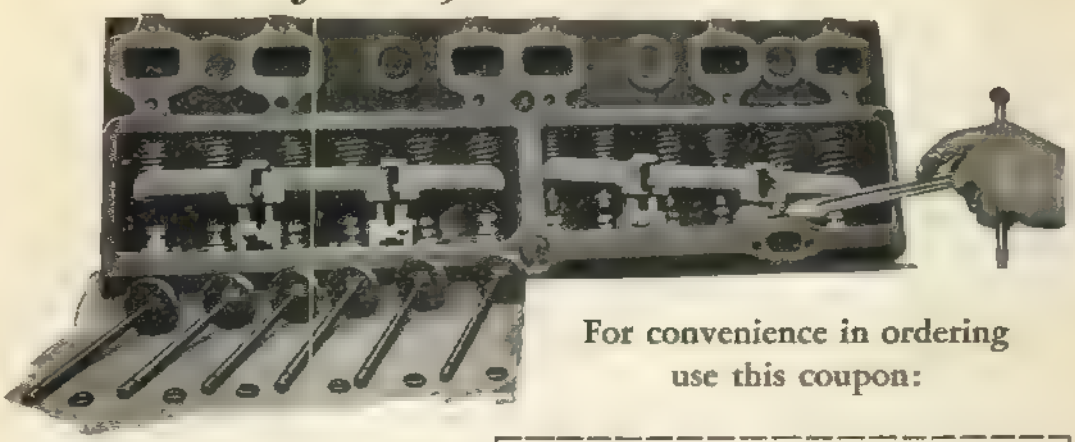
2-Door Sedan $1045

Landau Coupe - $1045 Cabriolet $1145
Sport Roadster $1075 4-Door Sedan - $1145
Landau Sedan $1265

The New and Finer Pontiac Six, $745 to $925. Pontiac Six De Luxe Delivery, $585 to $770. All prices at factory. Delivered prices include minimum handling charges. Easy to pay on the liberal General Motors Time Payment Plan.

OAKLAND MOTOR CAR CO.; PONTIAC, MICHIGAN

Pays for Itself in the first 5 to 8 jobs!



This Fleming Multiple Valve Lifter will lift a bank of springs in less than 60 seconds with one turn of the wrist.

The most popular and fastest selling of all shop tools is this remarkable Fleming Multiple Valve Lifter. And no wonder!

Imagine being able to lift four to eight valve springs *at a time* with a single turn of the wrist, without the slightest danger of pinching your fingers or barking your knuckles. Imagine being able to remove valves and pins with both hands free, being able to leave the springs compressed while you grind the valves and remove the carbon. Then slip valves and p ns back in place, *another turn of the wrist* and the job is complete: Can you beat it?

Flat rates mean profit only when you get your costs down. You can see how the Fleming Multiple Valve Lifter will cut costs, and cut 'em plenty.

That coupon will bring as many as you can use. Mail it today.

FLEMING MACHINE COMPANY
Worcester, Mass.

Fleming

MULTIPLE VALVE LIFTER

For convenience in ordering use this coupon:

Fleming Machine Co.
Dept. J-5 Worcester, Mass.

Please enter our order for Fleming Multiple Valve Lifters as listed below:—

..	sets	Pierce-Arrow	@	$9 00 . ..
		Cadillac, 1917-26	@	12 00 . ..
	'	Lincoln	@	12 00
	"	Packard-6	@	9 00 .
	"	Packard 8	@	12.00 ..
	"	Studebaker Special 6 and Big 6	@	9 00
	"	Studebaker Standard 6	@	9 00 . ..
.	"	Hudson	@	9 00 ..
	"	Essex	@	5 50 .
. . ..	"	Dodge	@	8 00 .
	"	Star-4	@	7.00 .
	"	Star-6	@	8.95 .
	"	Flint Jr.	@	8 95
	"	Flint 40	@	8 95
	"	Flint 55	@	7 00
	"	Flint 80	@	7 00 . .
	"	Yellow Cab	@	7 00 .
.	"	Ford	@	3 25 . .

Name . . . . . .

Address . . . . . .

City . . . . . .

State . . . .

Mail The Coupon Today

April Production—

the largest in Oakland's Entire History

DURING April more than 20,000 Oakland and Pontiac Sixes were produced to meet the increasing demand that is literally sweeping the nation.

This is the largest month in Oakland's entire history. It follows on the heels of the company's biggest March—more than 16,000 cars.

These figures carry a message for every automobile dealer in America. They indicate the vast buying enthusiasm which the New and Finer Pontiac Six and the Greater Oakland Six have created. But even more important, they prove that Oakland makes deliveries to dealers when buying is at its height.

Oakland's complete factory cooperation explains why Oakland-Pontiac dealers are winning universal success. It shows why dealers can make such statements of net profits as $70,000 in one city of 150,000 people—$55,000 in another of 52,000—$100,000 in a third of 400,000—and so on almost without end.

Why not learn how you can join an organization whose dealers win such success? Simply fill in and mail the coupon today!

Oakland Six, $1025 to $1295. Pontiac Six, $775 to $975. Pontiac Six Commercial Cars, $585 to $770. All prices at factory. Delivered prices include minimum handling charges. Easy to pay on the General Motors Time Payment Plan.

OAKLAND MOTOR CAR COMPANY, PONTIAC, MICHIGAN

Department B

Oakland Motor Car Company, Pontiac, Michigan

Please send me, without obligation, the story of the Oakland-Pontiac Double-Profit Franchise.

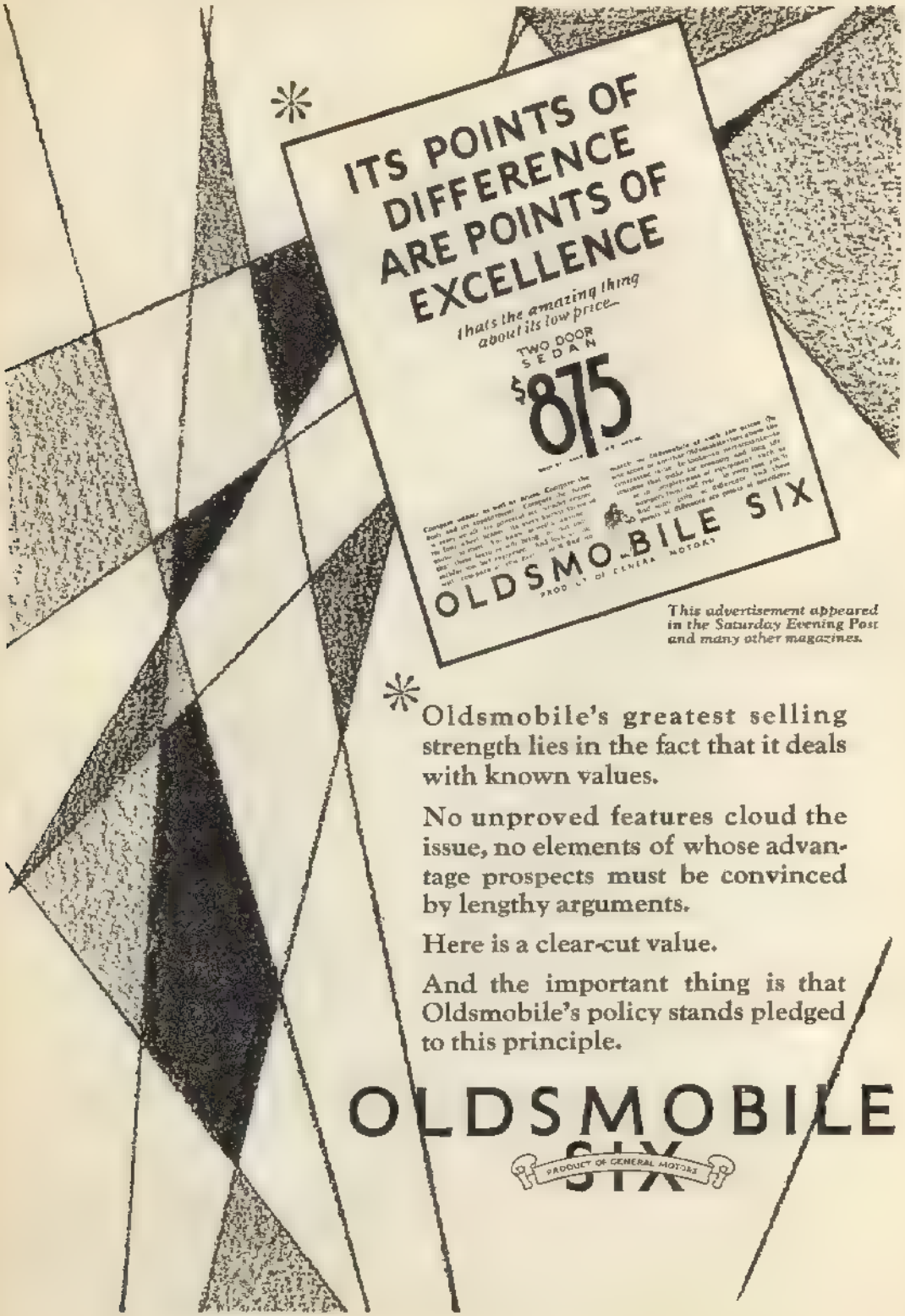
(Name).....

(Street and No.).....

(City and State).....

5-27

OAKLAND-PONTIAC *Double-Profit* Franchise


ITS POINTS OF DIFFERENCE ARE POINTS OF EXCELLENCE
that's the amazing thing about its low price—
TWO DOOR SEDAN
$875
OLDSMOBILE SIX
PRODUCT OF GENERAL MOTORS

This advertisement appeared in the Saturday Evening Post and many other magazines.

Oldsmobile's greatest selling strength lies in the fact that it deals with known values.

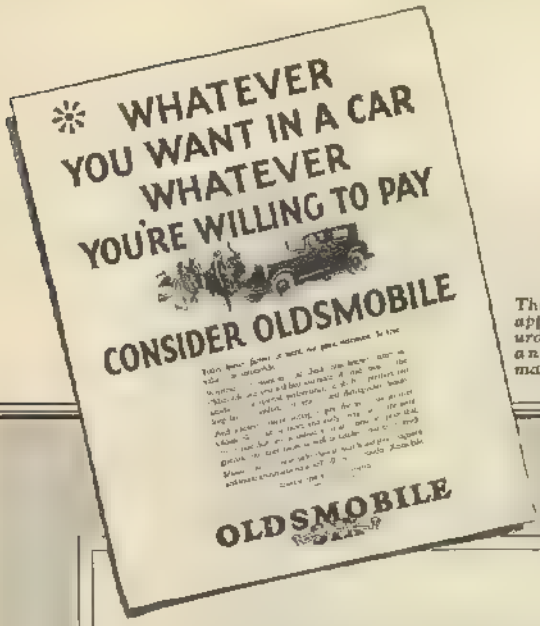
No unproved features cloud the issue, no elements of whose advantage prospects must be convinced by lengthy arguments.

Here is a clear-cut value.

And the important thing is that Oldsmobile's policy stands pledged to this principle.

OLDSMOBILE SIX

PRODUCT OF GENERAL MOTORS



This advertisement appeared in the Saturday Evening Post, and many other magazines.

Oldsmobile offers a value eagerly seized upon by a public whose increasing tendency is to buy automobiles as they buy other things . . . . singling out the cars that suit their tastes and meet their needs . . . then comparing prices . . . and *selecting*.

Every day a notably increasing number evidently say to themselves, "Why accept less?—to save so little; why pay more?—when Oldsmobile gives me so much!"

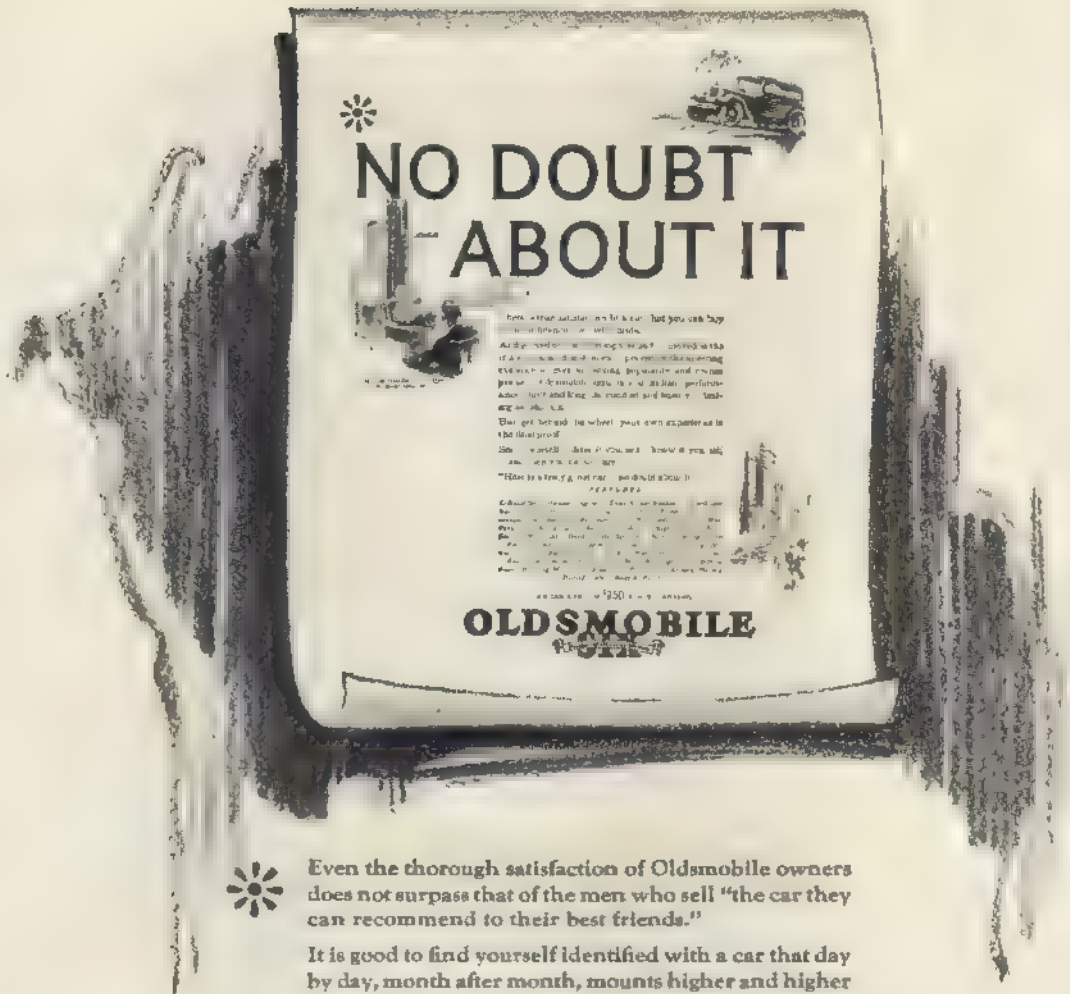
Much indeed . . . . crankcase ventilation, oil filter, dual air cleaning (only three to four oil changes a year), harmonic balancer, two-way cooling and a score of other known factors of modern motor car merit, including Fisher Bodies of surpassing beauty and possessed of those luxuries and conveniences that mean so much!

Of course Oldsmobile is constantly growing in the preference of those who *select*. . . . who *choose by comparison*. Why shouldn't it, presenting such a value!

OLDSMOBILE

Product of General Motors

This advertisement appears in the Saturday Evening Post and other magazines.



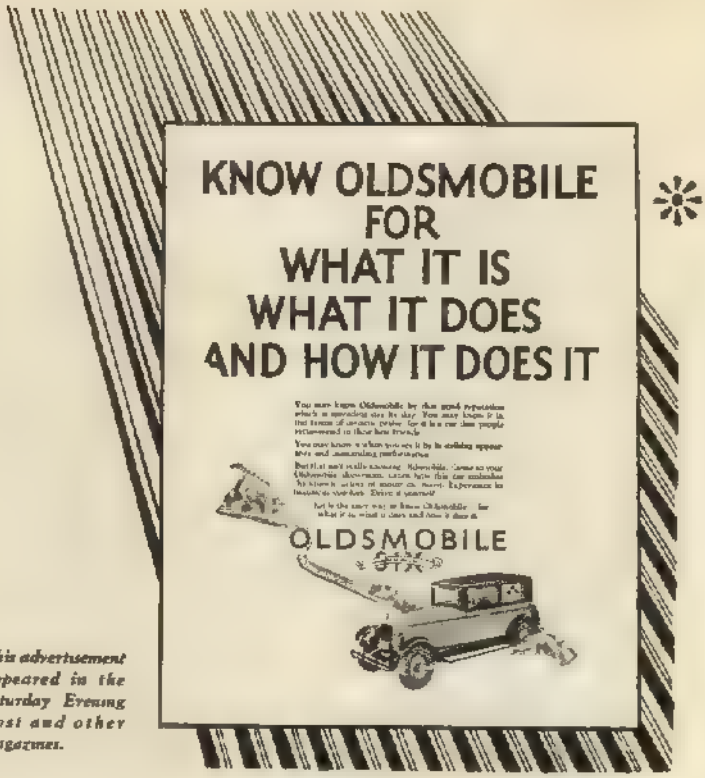
Even the thorough satisfaction of Oldsmobile owners does not surpass that of the men who sell "the car they can recommend to their best friends."

It is good to find yourself identified with a car that day by day, month after month, mounts higher and higher in public favor . . . wins more and more enthusiastic owner praise . . . grows ever more widely accepted as the preeminent value in the thousand dollar class.

With an automobile embodying the known factors of motor car merit; with sales the greatest in Oldsmobile history and still growing; and with a factory policy pledged to progress assuring a sound future—Oldsmobile dealers occupy a position outstanding in the automobile trade . . . no doubt about it!

OLDSMOBILE

Product of GENERAL MOTORS



This advertisement appeared in the Saturday Evening Post and other magazines.

* *See it—*
Drive it—
Know it—

That is the message that Oldsmobile advertising has kept driving home all Spring.

And they come to Oldsmobile showrooms, this public that wants value—and they find value in every detail of

What it is—
What it does—
and how it does it!

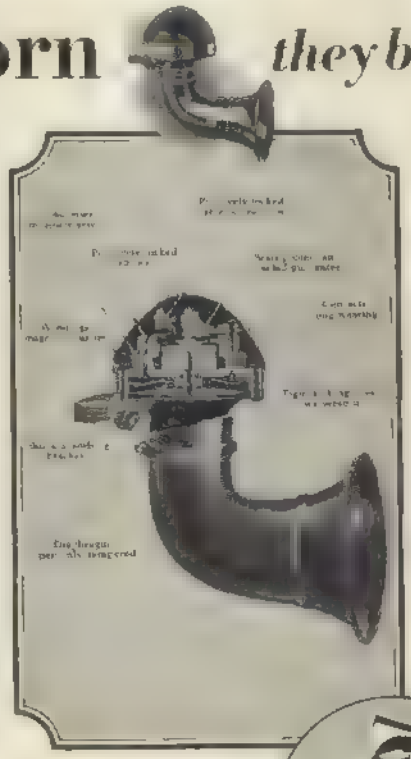
OLDSMOBILE
SIX
PRODUCT OF GENERAL MOTORS

This advertisement appeared in the Saturday Evening Post and other magazines

*Now lifted bodily from its proper price class and placed far down the scale of prices, Oldsmobile Six enters a new and wider market—a market with almost no limit to sales.

OLDSMOBILE
SIX
PRODUCT OF GENERAL MOTORS

Gas, they buy every week . . . Oil, they need twice a month— But a horn they buy only once!



YOU could *afford* to be satisfied with a small profit per gallon on items like gas and oil. For every customer is buying such necessities all the time. The "repeat" business is steady. The turnover is rapid.

But when you sell horns, it's a different proposition. You never sell the same customer a new horn every week or every month. "Repeats" don't figure in horn sales. Therefore it's good business to push the horn you make the most money on, per sale.

Now on a cheap horn, your profit is only $2.50 or $3.00. While on the best horn you can sell him—the Original-Bosch horn—you earn triple profits—about $10. or more (depending on quantities).

In spite of low-priced, low-quality imitators, sales of this Original-Bosch horn are steadily increasing. Dealers, disgusted with complaints and come-backs of cheap horns, have rallied to Original-Bosch.

Because they know that this horn will never get out of order, never need attention, never fail the driver in an emergency. They find their customers perfectly willing to pay the extra price, when they learn that the Original-Bosch horn will actually outlast the life of the car itself! And dealers feel it is good business to earn the triple profits which the Original-Bosch horn alone makes possible.

Write for triple profits plan

If you, too, want to earn triple profits, identify your store with the best, and render a real service to your customers, write today for full information about the Original Bosch horn plan which offers a larger discount to dealers and enables you to carry this horn without loading yourself up. We will also send you our new folder "A horn that increases the speed of your car," containing a striking new sales message that makes it easier to sell Original-Bosch horns.

The Original Bosch

ROBERT BOSCH MAGNETO CO., Inc.

No connection whatsoever with the American Bosch Magnete Corporation

The full name Robert Bosch and the trademarks appear on all Original-Bosch products as your guarantee of Original Bosch quality as known the world over since 1887

ROBERT BOSCH MAGNETO CO., Inc.
111C West 64th Street, N. Y.

Please send copy of new folder "A horn that increases the speed of your car" and [illegible] showing how I can make triple profits from the sale of Original-Bosch horns.

Address ...

Name

ALL WINTER LONG!

There's nice, profitable business in these Peerless replacements. For a freeze-up generally means a new radiator—and every smash-up means new fenders, etc.

So the Peerless dealer never gets a chance to hibernate, for business is always at hand to keep him busy.

If you are not handling this wonderful line of profit-makers, ask your jobber's salesman. He'll tell you that every one of them is a money-maker and fast mover.

PEERLESS TUBULAR RADIATOR

Exact duplicate of Ford, except that it has pure copper tubes and extra special side supports. Sells for same price.

NEW WING CAP No. 61

High nickel finish. Packed in separate boxes and in beautiful counter or window display carton. Priced for quick sale

PEERLESS PRODUCTS
FOR FORD CARS

Manufactured by

The CORCORAN Mfg. Co.
Dept. 36 Norwood Cincinnati, Ohio

Auburn Introduces New Roadster Models

The Auburn Automobile Co. announces the introduction of its new line of roadster models, which follow closely the designs of last year's models. The 8-88 has the same sweeping line over the hood and following the body and rear deck. An extra wheel and tire is carried on the right running board. The top is of light fine quality whipcord material. The rear deck seat is approached from a convenient door.

The 8-88 roadster is equipped with a rear trunk carrier. It is offered in two colors, Beaver Brown and Fawn and Pheasant Green and Ambato Green. Upholstering is hand buffed Spanish leather.

The extra tire on the 8-70 is carried on the rear. The color treatment is Moleskin and Bambaline Blue with Rolls-Royce blue lower body. The 6-60 is done in Russian brown upper and Moleskin lower body.

Hudson Has New Color Combinations

Hudson Super Six shipments of custom built 7-passenger sedan and 5-passenger broughams are now in new color combinations. Upper body on both models is black. Lower on the sedan is blue light and on the brougham Old Burgundy. Moldings of both models are black, blue light and French gray striping being used on the sedans and Castilian and Casino red on the brougham.

Olds Uses Cadmium

Cadmium is now being used for plating all external bolts, nuts, washers and screws on Oldsmobile cars. Cadmium, a malleable white ductile metal derived from greenockite, a comparatively rare mineral, is corrosion-proof and being fairly soft does not crack when bolts or screws are tightened by hard, sharp tools.

Pierce Announces New 80 Club Sedan

A close coupled five-passenger four-door club sedan listing at $3,300 has been added to model 80 it is announced by the Pierce-Arrow Motor Car Co. A built-in trunk, bumpers, front and rear, spare tire, shock absorbers, automatic windshield wiper, Winterfront and rear vision mirror are included in the equipment. Finish is in optional pyroxylin colors.

Price reductions of from $355 to $500 on four models of the series "80" chassis are also announced by the company as follows:

Model	New Price	Old Price
Standard sedan	$2,895	$3,250
Two-door brougham	2,495	2,995
4-passenger coupe	3,250	3,695
Runabout	2,495	2,895

With the present price reductions these models are now the lowest priced cars ever marketed by Pierce-Arrow Motor Car Co.

Moon Cuts Prices on Diana Models

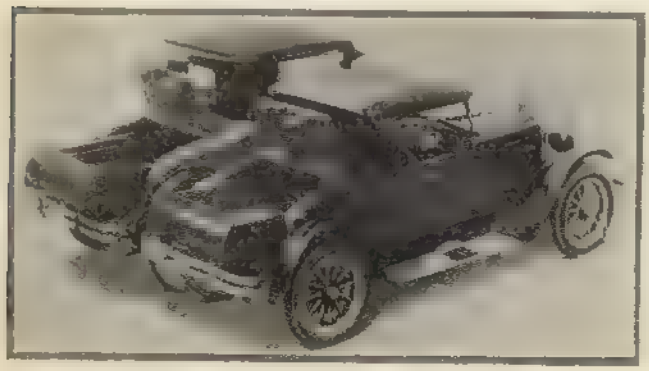
Substantial price reductions on Diana models have been announced by the Moon Motors Corporation, as follows:—

	Old Price	New Price
5-pass. phaeton	$1 775	$1,595
5-pass. roadster	1,795	1,645
De luxe brougham	1,995	1,695
Palm Beach roadster	1,995	1,795
Cabriolet roadster	2,085	1,985
De luxe sedan	2,195	1,995

Increased production is given as the reason for the reduction, together with the fact the initial cost of introducing the Diana has been absorbed.

Sliding Drawers Added to Two Dodge Models

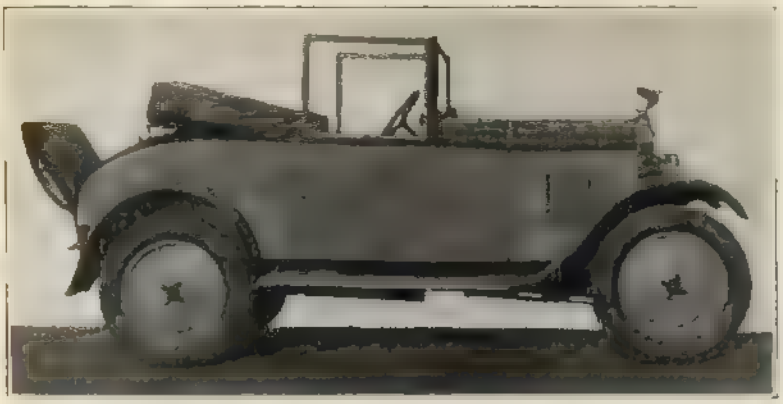
Announcement is made by Dodge Bros., Inc., that standard coupe and roadster models can be purchased at $100 additional cost equipped with sliding drawer, permitting adaption for commercial uses. The telescope drawer, made of steel, is built into the rear and is adjustable to three locking positions. When not in use it can be closed and the coupe and roadster maintain their usual appearance. The tire carrier is mounted on the left running board forward of the door when the sliding drawer is provided.



Sliding drawers on Dodge models

Peugeot Introduces Car for Sale in U. S.

The first foreign small car to invade this country on a large scale will be the Peugeot under plans formulated by the recently organized Peugeot American Corp. which has opened offices and salesrooms at 171 W. Fifty-seventh St., New York City. American capital is back of the project.



Model of small Peugeot being sold in this country

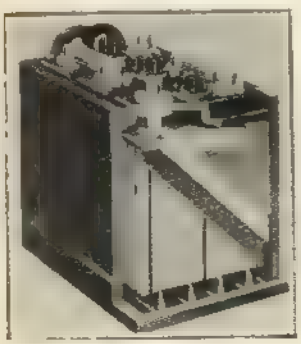
The Peugeot company of Paris has developed a new type for the American market. It is being sold here in two models, at $1,085 delivered in New York for the convertible cabriolet and $1,050 for the convertible touring car. The engine is rated at 7 hp. and has four cylinders, 60x90 millimeters, wheelbase is 89½ in. and tread 38 in. The car develops 50 to 55 m.p.h. and does 45 miles to the gallon.

Stressing the sporty character of the cars, the company is importing them unpainted, allowing the purchaser to choose his own color combination. A fabric body option is provided on the touring car. American wheels and tires, 27 x 4.40, are provided, but the remainder of the car is entirely made in France. Yves De Villers is president of the Peugeot American Corp. J. W. Hessian is sales manager.

Rubber Ribbed Separators Used by Prest-O-Lite

A patented feature, claimed to be unusually successful in lengthening the life and increasing the efficiency of storage batteries is announced by the Prest-O-Lite Company, Inc., of Indianapolis.

This new improvement has been used for the past three years in Prest-O-Lite batteries installed as standard equipment on Packard motor cars. It consists of the use of sturdy, rubber-ribbed separators between the battery plates. Batteries containing this patented feature are now on the market in the new Prest-O-Lite "Rubberib" storage battery for all makes of cars.



Considerable of all battery troubles in the past have been due to the fragile nature of the separators, which wore out before the plates, because no one had found a satisfactory way to reinforce a wood separator so as to withstand the friction which may result from two plates rubbing against a separator, according to statements being made by the Prest-O-Lite company.

In the past, it is said, efforts have been made to overcome this difficulty, but until the Prest-O-Lite Rubberib was invented no one had succeeded in so strengthening a wood separator as to make it possible for the separator to last as long as the plates.

The new Rubberib battery has separators of candled Port Orford cedar. These separators are specially treated by a secret Prest-O-Lite process to increase their porosity and durability. They are then strengthened by triple reinforcements of hard, vulcanized rubber at the points which take the wear.

The manufacturers state that batteries of this new construction have been in use for three years without the knowledge of the public, and now at the close of this period of successful use, Prest-O-Lite announces Rubberib batteries are available for all makes of cars.

GENERAL MOTORS' LATEST ACHIEVEMENT

The New and Finer

PONTIAC SIX

SEDAN $775

Again the Oakland-Pontiac Double-Profit Franchise rises to new high value—this time with the New and Finer Pontiac Six at new low prices. Its bodies by Fisher are long, low and rakish in appearance. New combinations of Duco emphasize their arresting style. Narrowed windshield pillars, deeper radiators and larger, heavier crown fenders conform with the vogue created by the finest custom-built cars of the day . . . Two entirely new body types—a Sport Roadster and a 4-passenger Sport Cabriolet—complete the Pontiac line . . . Engineering refinements include such fine car features as foot-controlled tilting-beam headlights . . . Lower prices result from economies made possible by Pontiac's record-breaking first year sales and the increased production of huge new factories . . . No other combination of cars holds forth the profit-making possibilities now offered by the New and Finer Pontiac Six and the Greater Oakland Six. Generous discounts and liberal cooperation, plus these two fast-selling sixes, make the Double-Profit Franchise one of the most desirable in the entire industry. If you are interested in selling the New and Finer Pontiac Six and the Greater Oakland Six write Department B for full information. Priority of application counts, so write or wire today!

OAKLAND MOTOR CAR COMPANY
Pontiac, Michigan

AT NEW LOW PRICES

Sedan	$775	Sport Roadster	$775	Sport Cabriolet (4-pass.)	$835
Coupe	775	Landau Sedan	895	DeLuxe Landau Sedan	975

All prices at factory

OAKLAND-PONTIAC

Double-Profit Franchise

Hundreds of *Thousands* of New Prospects Created By *The New and Finer* PONTIAC SIX

. . . at New Low Prices!

$775

SEDAN

Coupe	$775
Sport Roadster (4-pass.)	775
Sport Cabriolet (4-pass.)	835
Landau Sedan	895
DeLuxe Landau Sedan	975
DeLuxe Panel Delivery	770
DeLuxe Screen Delivery	760

Oakland Six, $1025 to $1295. All prices at factory. Easy to pay on the liberal General Motors Time Payment Plan.

All during 1926, the Pontiac Six piled up record after record, amazing the industry with its spectacular production and sales. No other new make of car ever took the nation so completely by storm.

Yet this electrifying success was achieved with the original Pontiac Six. And the original Pontiac Six sold for $825.

Now the New and Finer Pontiac Six embraces even greater beauty and even more mechanical improvements. Now it sells at New Low Prices.

And that reduction in prices alone has increased the number of possible Pontiac Six buyers by 250,000—a figure based on the most accurate and scientifically developed data available.

What this means to holders of the Oakland-Pontiac Double-Profit Franchise is crystal clear. It means that in addition to all the people who could afford to buy a Pontiac Six at the old price—in addition to all the buyers of the Greater Oakland Six—in addition to hundreds of thousands who are attracted by the new beauty, new body types and new refinements in the Pontiac—there are now a quarter of a million more people made prospects for the Pontiac Six by its New Low Price.

If you have watched the ever-increasing value of the Double-Profit Franchise, now you must be interested to the point of action. Never before was the future brighter for Oakland-Pontiac dealers. And if you want to share that future, mail the coupon today.

Mail Coupon Today

Department B,
Oakland Motor Car Co.
Pontiac, Michigan.

Please send me, without obligation, the story about the Oakland-Pontiac Double-Profit Franchise.

Name . . . .

Street and No. . . .

City and State . . 4-27

OAKLAND MOTOR CAR COMPANY, PONTIAC, MICHIGAN

OAKLAND-PONTIAC Double-Profit *Franchise*

GENERAL MOTORS' LATEST ACHIEVEMENT

The New and Finer

PONTIAC SIX

SEDAN $775

Again the Oakland-Pontiac Double-Profit Franchise rises to new high value—this time with the New and Finer Pontiac Six at new low prices. Its bodies by Fisher are long, low and rakish in appearance. New combinations of Duco emphasize their arresting style. Narrowed windshield pillars, deeper radiators and larger, heavier crown fenders conform with the vogue created by the finest custom-built cars of the day . . . Two entirely new body types—a Sport Roadster and a 4-passenger Sport Cabriolet—complete the Pontiac line . . . Engineering refinements include such fine car features as foot-controlled tilting-beam headlights . . . Lower prices result from economies made possible by Pontiac's record-breaking first year sales and the increased production of huge new factories . . . No other combination of cars holds forth the profit-making possibilities now offered by the New and Finer Pontiac Six and the Greater Oakland Six. Generous discounts and liberal cooperation, plus these two fast-selling sixes, make the Double-Profit Franchise one of the most desirable in the entire industry. If you are interested in selling the New and Finer Pontiac Six and the Greater Oakland Six write Department B for full information. Priority of application counts, so write or wire today!

OAKLAND MOTOR CAR COMPANY
Pontiac, Michigan

AT NEW LOW PRICES

Sedan	$775	Sport Roadster	$775	Sport Cabriolet (4-pass.)	$835
Coupe	775	Landau Sedan	895	DeLuxe Landau Sedan	975

All prices at factory

OAKLAND-PONTIAC

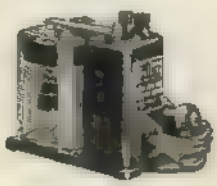
Double-Profit Franchise

Keep radio profits up

by concentrating on lines that are selling now

The New Balkite Charger

MODEL J. Has two charging rates: A low trickle charge rate and a high rate for rapid charging and heavy duty use. Can thus be used either as a trickle or as a high rate charger and combines their advantages. Noiseless. Large water capacity. Visible electrolyte level. Rates: with 6-volt battery, 2.5 and .5 amperes; with 4-volt battery, .8 and .2 ampere. Special model for 25-40 cycles with 1.5 amperes high rate. Price $19.50. West of Rockies $20. (In Canada $27.50.



Balkite Trickle Charger

MODEL K. For those who require a charger of limited capacity only. Can be left on continuous or trickle charge thus automatically keeping the battery at full power. Converts the "A" battery into a light socket "A" power supply. Charging rate about .5 ampere. Over 350,000 in use. Price $10. West of Rockies $10.50. (In Canada $15.)

All Balkite Radio Power Units operate from 110-120 volt AC current with models for both 60 and 50 cycles. Also a 25-40 cycle model for the Balkite Charger.

Keeping your radio department operating at a satisfactory profit at this time of year is a matter of selecting the correct lines to push. Scatter your efforts on all lines, many of which are unsalable at this season, and your sales will drop. Concentrate them on the few lines that are good sellers now and they will keep at the maximum.

Balkite is one of these lines. In fact Balkite sales after the first of the year are greater each season than before the first of the year. When most lines are falling off, the Balkite season is just beginning. This is logical, for every purchaser of a radio set the early part of the season is now a Balkite prospect.

Balkite is the standard line in the radio power field. It is consistently advertised. The profit you make on it is clean, for every Balkite unit is a permanent piece of equipment, with nothing to wear out or replace. Get behind the line now, and get your share of Balkite volume and profit.

FANSTEEL PRODUCTS COMPANY, Inc.
North Chicago, Illinois

FANSTEEL
Balkite
Radio Power Units

Three New Balkite "B"s

Balkite "B" eliminates "B" batteries and supplies "B" current from the light socket. Noiseless. Permanent. Employs no tubes and requires no replacements. Three new models. The new popular priced Balkite "B"-W at $27.50 for sets of 5 tubes or less requiring 67 to 90 volts. Balkite "B"-X (illustrated), for sets of 8 tubes or less; capacity 30 milliamperes at 135 volts—$42. Balkite "B"-Y, for any radio set; capacity 40 milliamperes at 150 volts—$69. (In Canada "B"-W $39; "B"-X $59.50 "B"-Y $96.)

Balkite Combination

When connected to the "A" battery this new Balkite Combination Radio Unit supplies automatic power to both "A" and "B" circuits. Controlled by the filament switch on your set. Entirely automatic in operation. Can be put either near the set or in a remote location. Will serve any set now using either 4 or 6-volt "A" batteries and requiring not more than 30 milliamperes at 135 volts of "B" current—practically all sets of up to 8 tubes. Price $59.50. (In Canada $83.)

THE BALKITE LINE OF ELECTROLYTIC DEVICES IS PROTECTED BY EDGAR W. ENGLE U. S. REISSUE PATENT NO. 18,438; DATED OCT. 18, 1932

Do you buy discounts or merchandise

LARGE *discounts* do not always mean large *profits;* in fact, generally just the reverse is true.

In all too many cases, where merchandise is unknown to the consumer, big discounts are simply a lure to fill your shelves with slow-moving merchandise.

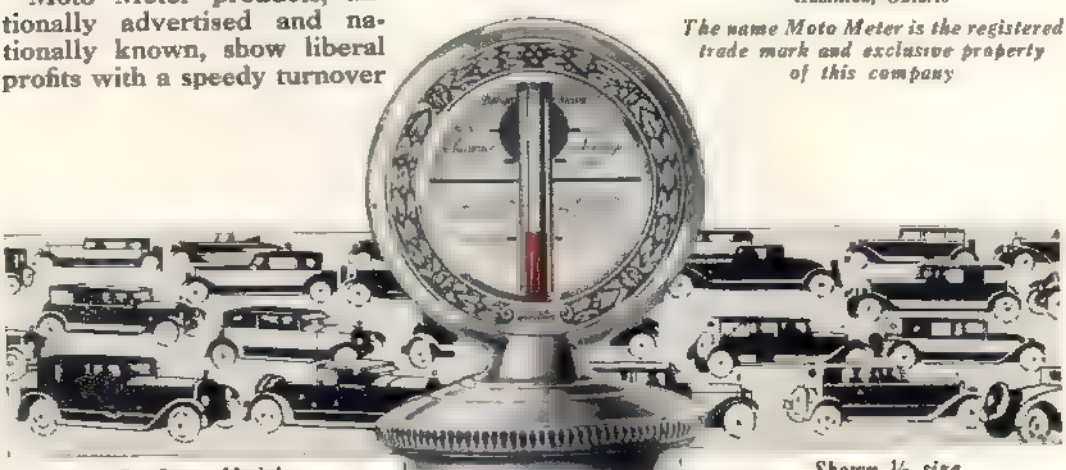
Moto Meter products, nationally advertised and nationally known, show liberal profits with a speedy turnover and offer the perfect combination.

The fact that Boyce Moto Meters are today on the radiator caps of more than 10,000,000 cars, reflects the wisdom of dealers who buy *worthwhile merchandise,* rather than *discounts.*

THE MOTO METER COMPANY, Inc.
Long Island City, N. Y.

THE MOTO METER CO OF CANADA, Ltd.
Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company



De Luxe Model

Shown ½ size

BOYCE MOTO METER

YOURS ARE

READY

Plan to have

this remarkable tire chain success

yourself

LAST season scores of dealers discovered greater profits in tire chains. They grew more and more enthusiastic over these five unmatched sales advantages in Protex Chains:

Five New Results

1. Longer wear.
2. Noiseless.
3. Can't cut tread.
4. Better traction, less wheel spinning
5. No skidding, eliminates sideskid entirely.

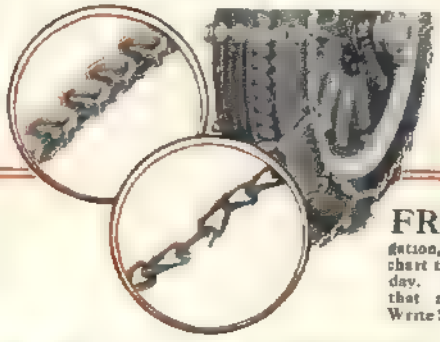
Did dealers sell these new-type tire chains? Motorists bought Protex on sight. It was the chain they had been waiting for. Dealers showered wholesalers with orders . . . and wholesalers swamped us. There was never any let-up in the demand for Protex.

Here's where the greater profit comes in. Protex Chains are marketed on a basis that pays you a far larger net profit, yet are priced in line with the market. Dealers sold *more* chains . . . and made *more profit per sale.*

During the season just closed we couldn't fill all orders. Now we are turning out tire chains day and night. Getting ready for you and hundreds of other dealers next season.

It isn't too early to be planning next winter's profits. Here's a chain that will make them bigger than ever. Last season proved its popularity. Write for complete details now

PROTEX CHAIN COMPANY, Inc., Waynesboro, Pa.



FREE! We will gladly send you, without obligation, a handy correct size chain chart that you'll use every winter's day. Has size conversion table that may cut down your stock Write!

PROTEX TIRE CHAINS

Are You Making These *Profitable* Renewals?

After long service, the PurOlator oil filter should be renewed.

A test can be made in a moment—the renewal is easily sold, quickly installed at a profit to you.

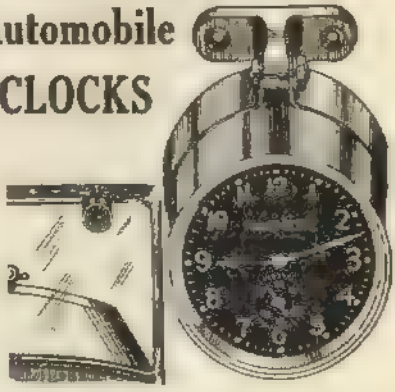
And your customers appreciate the importance of clean oil.

For full information, write

MOTOR IMPROVEMENTS, Inc.
365 Frelinghuysen Ave. Newark, N. J.

PUROLATOR
THE OIL FILTER
Licensed under Sweetland patents

MAGNETIC Self-Winding Automobile CLOCKS



For Mounting Over the Windshield

NOW—An electrically wound clock for overhead mounting in closed cars. SERVES ALL THE OCCUPANTS OF THE CAR. Beautifully finished in full polished nickel. Complete with bracket and 5 ft. of cable. Can be installed in an instant. Models for Dash and Steering Post mounting.

From your Jobber or write for prices, discounts, and full information.

The Magnetic Clock Company
HARTFORD, CONNECTICUT

The New Combination

One tool for *All* rims

Combination $10.00 LIST
JUNIOR $3.50 LIST

No need to have special tools for each size rim. The Pacific fits 'em all. A honestly workable chain vise changer finds the new Pacific Combination with interchangeable legs BEST for high pressure, balloon, truck or bus rims. The Junior comes in two sizes. See your Jobber for discounts.

PACIFIC RIM TOOL CO.
16606 Waterloo Rd., Cleveland, Ohio

2339 11th Ave. N. Export: 44 Whitehall St. New York City

PACIFIC RIM TOOL

Again
Balkite has it
At the
R.M.A.
TRADE SHOW
Stevens Hotel, Chicago
June 13th to 17th

Balkite—the leader—will show the greatest development ever announced by a radio power unit manufacturer. *Fansteel Products Co., Inc., North Chicago, Illinois.*

Balkite
Radio Power Units

Quick Acting Klaxon 11 Horn

Delco-Remy Corp.
Anderson, Ind.

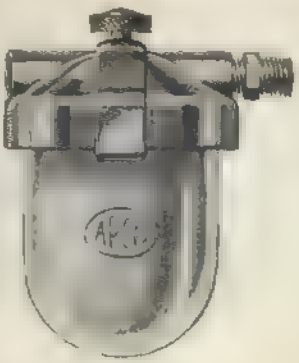
A WARNING signal of the high-frequency type at a new low price has been added to the line of the Klaxon Co. and is known as the Klaxon 11. It measures 11⅝ in. long and is finished in gloss baked enamel. It is available

in either six or 12 volt types and was developed to meet the demand for horns operating on the high frequency principle. The company claims it is exceptionally quick acting and has remarkable volume and carrying power

Apco Gasoline Filter No. 39

Apco Mfg. Co
Providence, R. I.

THE filter manufactured by the above company, is of simple and sturdy construction. Its efficiency is largely due to the fact that gasoline is made to flow from the bottom to the top of the filter thus allowing foreign particles to drop to the bottom of the chamber. The chamber is of heavily annealed glass. Accumulated water and foreign matter can

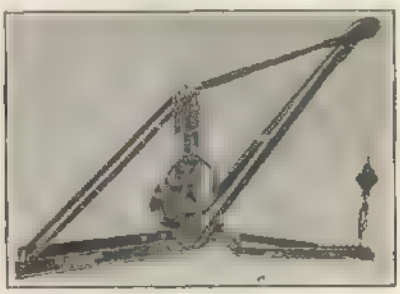


be readily seen and easily emptied by releasing a quick detachable thumb screw clamp.

Bender Electric Crane

Bender Hoist Mfg. Co.
Omaha, Neb.

THE above company is producing an electric crane operated by a 6-volt battery with a gear reduction of 288 to 1. It is said that the drain on the battery is so small that the generator



can easily keep the battery charged. The cable operates at a speed of 4 ft. per minute. It has a capacity of 4 tons and its weight with tow bar is 400 lb. It lists at $175 and a tow bar may be had for $15 extra.

Tracy Fluid Dynamometer

Metal Stamping Co
Long Island City, N. Y.

THE dynamometer is offered to service stations and fleet owners as a means of definitely determining the power output of new or overhauled engines. In construction it is smaller and

lighter than the fan or electrical dynamometer and is well adapted for general service station usage. The resistance in this machine is regulated by varying the size of the opening through which oil is pumped. The pressure thus developed is used as an indication of the power of the engine being tested. The No. 1 size, capable of handling engines up to 50 hp., costs $400. The No. 2 size, which has a maximum capacity of 115 hp., costs $650.

Blackhawk No. 2 Cabinet

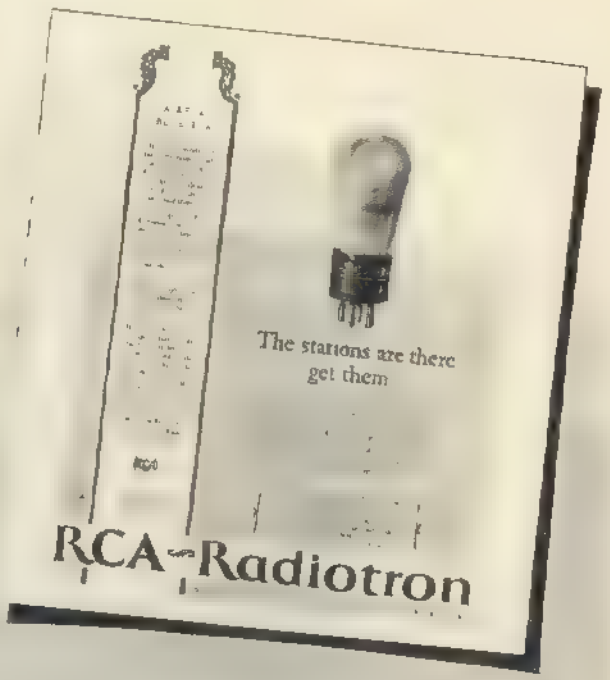
Blackhawk Mfg. Co.
Milwaukee, Wis.

ANNOUNCEMENT is made by the above company of its new No. 2 cabinet, 19¾ in. high, 16½ in. wide and 8¾ in. deep It contains 88 tools and lists at $50.

Master Brake Tester

Master Mfg. & Sales Corp.
Chicago, Ill.

A NEW brake tester, known as the Master, is being produced by the above company. It consists of a pedestal and cylinder containing a spring which can be compressed to show desired weights. Directions for working the test are to jack up the car, turn wheel so rim bolt or notch in rim of disk wheel is parallel with center of hub and at rear Press brake pedal down (pedal is then held down by means of holder furnished). Place brake tester under rim ug, compressing spring by operating ratchet handle, tightening or loosening brake as needed until desired weight is shown. Rear brakes should register from 250 to 300 lb and front brakes about 50 lb. less. Be sure rear brakes register alike and also front brakes register alike



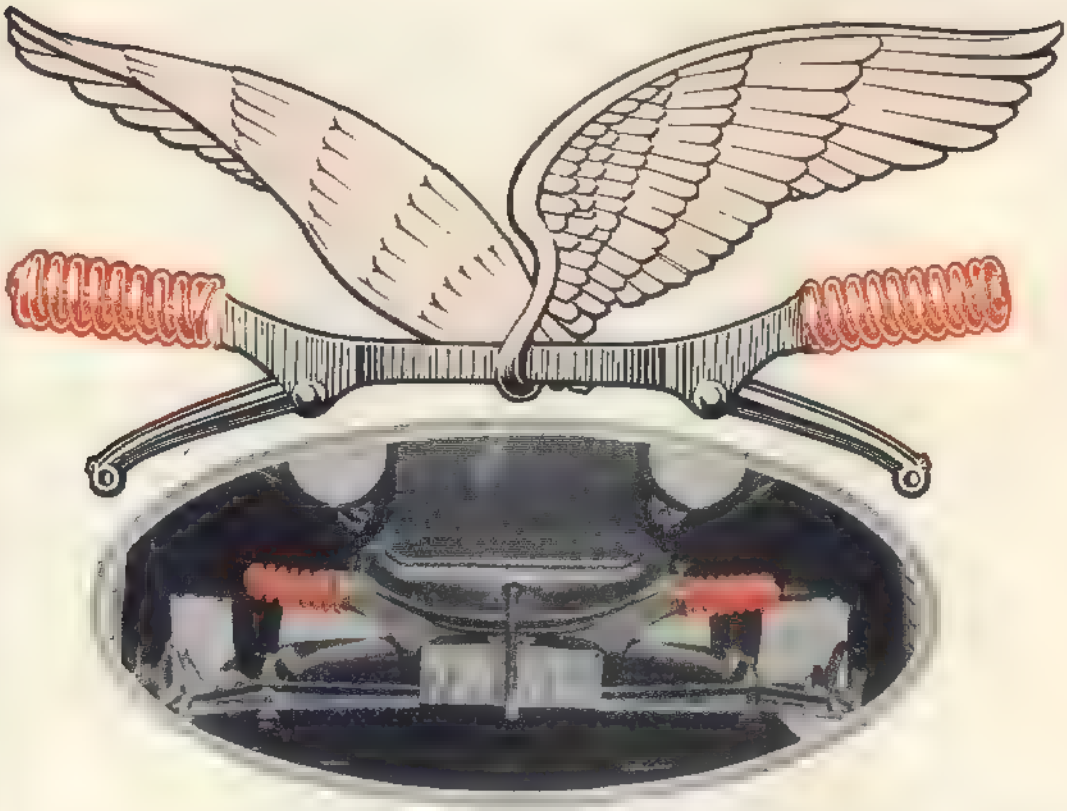
RCA advertising each month of the year stands out vividly in color. Its story of quality is interesting and convincing. Its results show in profitable year-round turnover of dealers' stocks.

Better manufacturing methods—better test methods • longer experience • pioneering. *Result*—RCA Radiotrons are better vacuum tubes. And better tubes backed by great year-round advertising naturally win the biggest sales.

RADIO CORPORATION OF AMERICA
New York Chicago San Francisco

RCA-Radiotron

MADE BY THE MAKERS OF THE RADIOLA



RED WING SUSPENSION *for* FORDS

Starts a Big New Market for Dealers

THOROUGHLY TESTED IT ELIMINATES SIDE-SWAY BUMPS AND BOUNCING

Here is a suspension for Ford cars that eliminates all side-sway and recoil, that absorbs the road shocks, and prevents tipping under all conditions. It holds the car level, assures easier steering, reduces strain on tires, permits greater speed with safety, and prolongs the life of the entire vehicle. It will never break, and is *sold on a money-back out-last-the-car guarantee.*

Write!

Territory Now Being Assigned

It's only a 30-minute installation and a particularly simple one. Discounts are liberal, on a list that's right. Profits are worth having—and sales come easily

Write now for complete information, "hot off the bat"

The Red Wing Company
612 N. Michigan Ave., Chicago, Ill.

No. 14

No. 15

No. 16

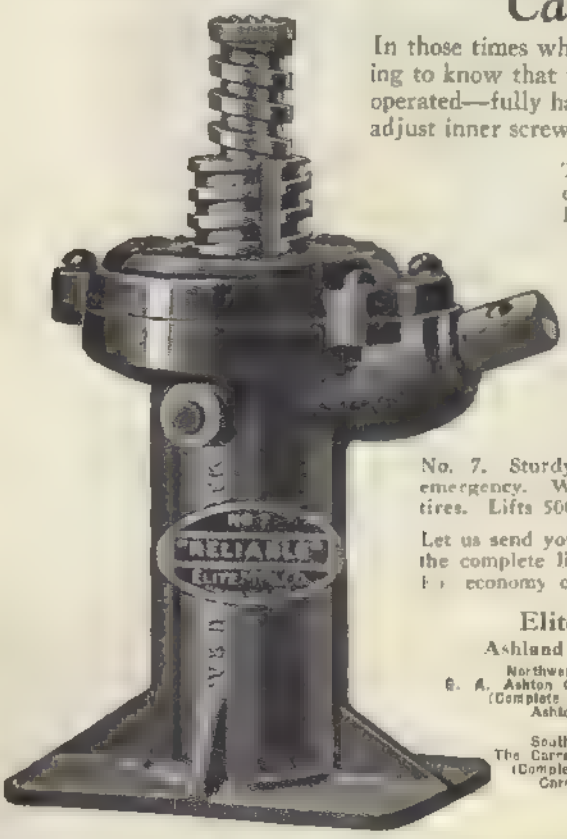
The Original Balloon Tire Jacks a Complete Line

No. 14—1 ton capacity
9½" lift
No. 15—2 tons capacity
10¼" lift
No. 16—2½ tons capacity
9¼" lift

All Reliable Jacks are Red but all Red Jacks are not Reliables

Be prepared for the emergency. Carry a Reliable!

In those times when minutes count, it is a gratifying feeling to know that your tool box carries a Reliable. Easily operated—fully handle controlled—no fussing by hand to adjust inner screw.



There are many manufacturers of fine cars who factory-equip their product with Reliables. There are others who overlook this point. It is a real service to the owner of a car that carries some weakling jack, to call his attention to the vital importance of replacing it with a Reliable.

It is profitable business for the dealer to display Reliables prominently on his counter.

The illustration shows one of our leaders No. 7. Sturdy and honestly built, it is equal to any emergency. Works equally well on balloon or regular tires. Lifts 5000 lbs. 10¼". Long handle control.

Let us send you our catalog, which will acquaint you with the complete line. A jack for Every Purse and Purpose. For economy carry a single line.

Elite Manufacturing Company

Ashland Ohio

Northwestern Branch:
G. A. Ashton Co. St. Paul, Minn.
(Complete stock carried in Ashton Bldg.)

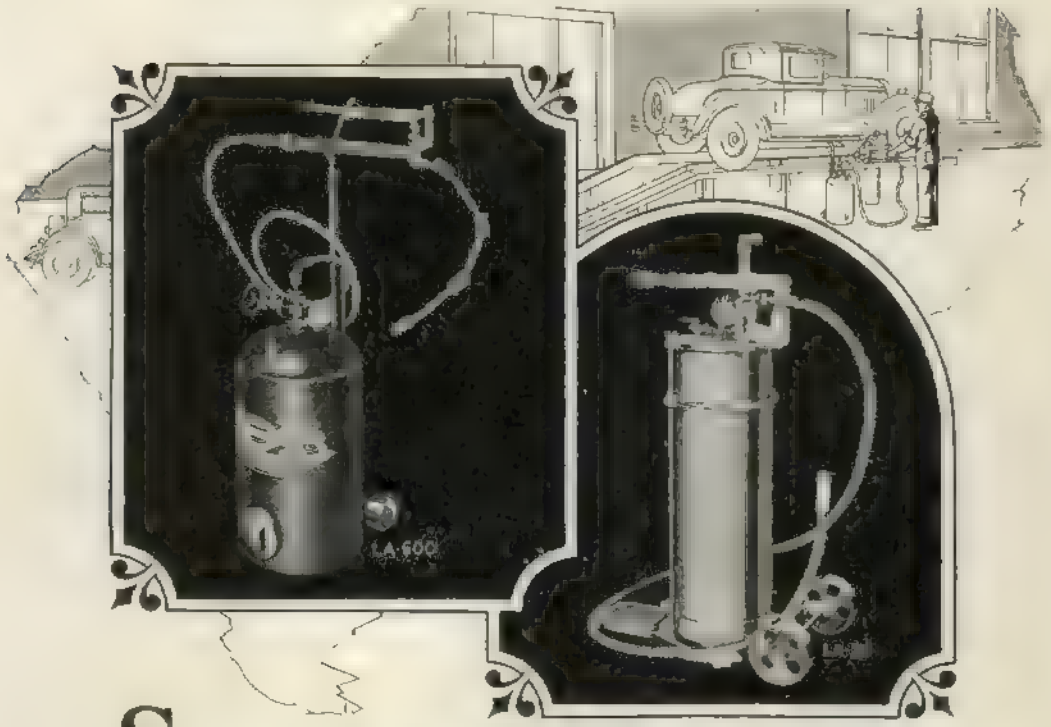
Sales Representatives:
Motor Products Co.
140 Church St., New York, N. Y.

Southwestern Branch:
The Carroll Co., Dallas, Texas
(Complete stock carried in Carroll Warehouse)

The L. E. Spencer Co.
416 Nashville Trust Bldg.
Nashville, Tenn.

A. E. Mabrie
1450 Pine St., San Francisco Cal.

RELIABLE BALLOON TIRE JACKS



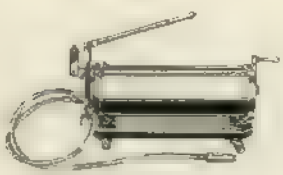
Speedier Lubrication
Pays Double Profits—

Larkin-Thuro Lubricators

L. A. 600. Air Pressure Lubricator. Designed for oil use. 250 lbs. air pressure, 7 qts. capacity. Fits any fittings.

L. A. 20. High Pressure 2500 lbs. Designed for using solidified oil lubricant. Capacity 15 lbs. lubricant.

L. A. 5. High Pressure. Mounted on detachable legs. Capacity 5 lbs. lubricant. Fits any fitting.



L. A. 15. High Pressure 3500 lbs. Fits any fitting. Capacity 15 lbs. lubricant.

. . . More Jobs in Less Time

COMPETITION is too keen nowadays to waste any time trying to make a profit with anything less than the very speediest labor-saving equipment. That's why Larkin Thuro Lubricators are so popular. They easily "eat up" lubricating jobs. Made in various sizes with a pressure at the bearing ranging from 2500 lbs. to 3500 lbs. Larkin Thuro Lubricators find little resistance in opening up "frozen" bearings. And because they are all one-man operated, adaptable to any type of fitting, easily portable and unaffected by climatic changes, it's a ten to one bet you'll find Larkin Thuro equipment in use wherever you see a busy garage or service station.

ASK YOUR JOBBER

to show you the various Larkin-Thuro Lubricators, as well as the complete line of Larkin-Thuro Products made and sold for repair and replacement only on cars and trucks equipped with Alemite and Zerk Systems. If your jobber can't serve you, send us his name and we'll see you're taken care of.

The Larkin Automotive Parts Company

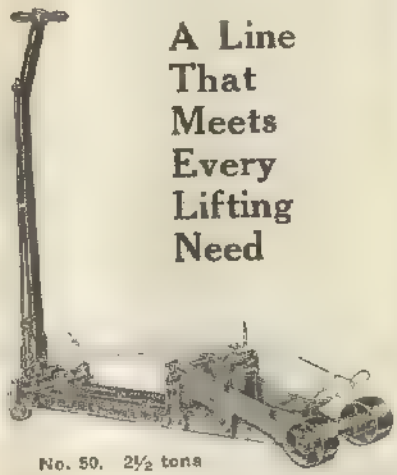
Dayton Ohio, U. S. A.

LARKIN High Pressure "Puts the Grease where the Squeak Is" Lubricating Equipment THURO

When a Fellow Needs a Good Jack

In the crowded garage a Reliable Hydraulic Jack proves itself a saver of time, temper and labor and a money-making asset to the shop.

A Line That Meets Every Lifting Need



No. 50. 2½ tons

Reliable Jacks are made in a comprehensive variety of sizes and types to cover every possible lifting need. Here's a husky No. 50, the Hydraulic hoister that has banned backaches and "busted" bones from the business of servicing motor buggies. Low starting point: 4½". ELEVEN INCH LIFT. One inch of handle movement will raise the car. Release valve on handle. The load is always under control. No ratchets, toggles or chains to fuss with. Roller bearings make heavy loads ride easily. Send for our catalog and learn more about it. As a means of speeding up your work and making the shop show more profits, RELIABLE No. 50 is invaluable. **2½ ton capacity.**

Bus and Truck Fleet operators—Write for specifications of our new Nos. 70 and 71 Hydraulics—For speeding up servicing of trucks and busses. **7 ton capacity.**

Just a Few of the Other Leaders in Our Line

No. 14
Latest addition to our line. 1-ton capacity

No. 15
A remarkably popular balloon tire jack. Long handle control. Lifts 2 tons 10 inches. Wonderful value.

No 16
A new balloon jack 3000 lb. capacity. Lifts 9¼".

No. 7
A powerful extra quality jack. Low clearance Lifts to 17 inches. Long handle control 5,000 lbs. capacity. Money cannot buy a better jack

For Economy Handle the Complete Line

ELITE MANUFACTURING COMPANY
ASHLAND, OHIO

NORTHWESTERN BRANCH:
G. A. Ashton Co., St. Paul, Minn.
(Complete stock carried in Ashton Bldg.)

SOUTHWESTERN BRANCH:
The Carroll Co., Dallas, Texas
(Complete stock carried in Carroll Warehouse)

SALES REPRESENTATIVES
Motor Products Company
149 Church St., New York, N. Y
The L. E. Spencer Company
416 Nashville Trust Bldg
Nashville, Tenn.
A. E. Mohrig
1458 Pine St., San Francisco, Cal

RELIABLE BALLOON TIRE JACKS

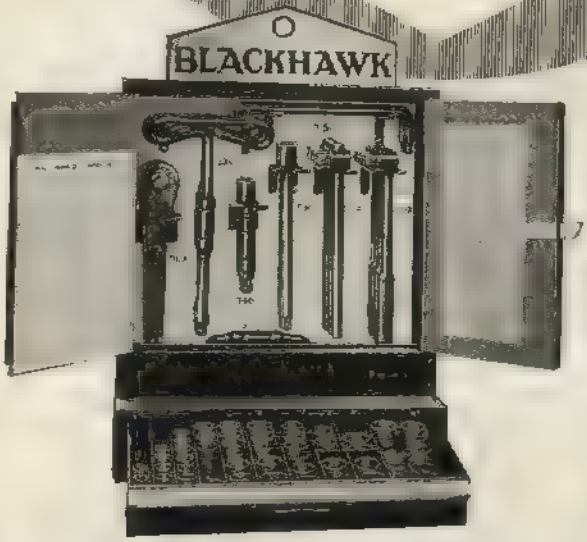
Now!

Socket Wrench Stock and Cabinet for $30

This *new* Blackhawk Cabinet sets you up in the profitable socket wrench business for $30. Consists of a very complete assortment of the most popular Blackhawk Handles and Sockets so that you can quickly make up sets for any car right out of the cabinet—and the flashing steel cabinet is FREE with first order.

Ask your jobber's salesman to show you this new No. 2 assortment and cabinet.

BLACKHAWK MFG. COMPANY
Dept. G. Milwaukee, Wis.



Cased Drain Plug Service Set
No. 23-G

Socket sizes and handle types fitting a wide range of cars—for removing plugs to drain crankcases, also for drain and refill plugs in transmission and differential housings. Consists of 5 hex sockets, 7 square sockets, 7 square plugs, sliding bar handle, extension bar and attachment for drain plugs with slots—all in compact 20-gauge-steel case. List price, $11.00.

BLACKHAWK

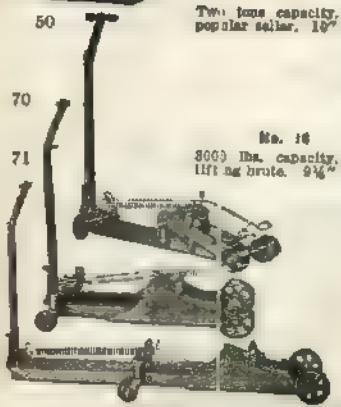
For Every Vehicle—Truck, Bus, Car—There is a Reliable Jack—

the original balloon tire jack. No adjustments by hand or inner screw before placing under axle. The long handle control does all. Positive in action whether top is in contact or not. This valuable feature is distinctive to RELIABLES

No. 7
Built for hard service. 3½ tons capacity. 10¼" lift.

No. 14
One ton capacity. Fast and easily worked. 9½" lift.

No. 15
Two tons capacity. A popular seller. 10" lift.



No. 16
3000 lbs. capacity. A lifting brute. 9¼" lift.

Ask us about these powerful hydraulic heavy-duty service jacks. No 50, general garage use. No. 70, for trucks. No. 71, for buses. Low and long they handle heavy loads with ease. Unscrupulous manufacturers imitate the distinctive and long established red color of the Reliable Line, but they cannot equal the stamina and genuine worth of these jacks.

Northwestern Branch:
G. A. Ashton Co.
St. Paul, Minn.
(Complete stock carried in Ashton Bldg.)

Southwestern Branch:
The Carroll Co.
Dallas, Texas
(Complete stock carried in Carroll Warehouse.)

Sales Representatives:

Motor Products Co.
148 Church St.
New York, N. Y.

A. E. Mehrig
1458 Polk St.
San Francisco, Calif.

McEwen Cherry Co.
1119 Nashville Trust Bldg.
Nashville, Tenn.

Edw. G. Allis Co.
919 Boylston St.
Boston, Mass.

Send for our catalog

ELITE MANUFACTURING CO. Ashland, Ohio

RELIABLE BALLOON TIRE JACKS

Chassis Wear is Your Profit!

There's an average of sixteen bolts and eighteen bushings in every chassis, a total of thirty-four of the fastest wearing parts in the car—thirty-four opportunities for profit. Multiply thirty-four by the millions of cars on the road and you can picture for yourself the profit opportunities in Chassis Bolt and Bushing renewal.

Every wobbly wheel and every chassis rattle is evidence of wear and the need for Bolt and Bushing renewal. You can make these wobbles and rattles pay you a profit by telling the car owner about his wobbly wheels, which he can't see but others can. Explain to him why they wobble, why worn Bolts and Bushings cause 95% of the rattles in his car, and you'll find your shop kept busy with Bolt and Bushing renewals on which there is no "come-back" or complaint.

To profit most you'll need the B/P Spring Bolt Jack and Bushing Tool, which cuts Spring Bolt installation in half. Then, in fairness to both the owner and yourself, renew with Blue Print Bolts and Bushings, which are made to the car manufacturers blue prints and are identical with original equipment in fit, quality and service.

"B/P" Spring Bolt Jack and Bushing Tool

—will cut Spring Bolt and Bushing installation time and labor in half. With them you can make Bolt and Bushing renewals at less cost to the owner and more profit to yourself.

ASK YOUR JOBBER

Chassis wear is your profit! Ask your Jobber for B/P Tools and the Blue Print Line. Also write us for copies of "The Tale of a Bolt."

The Fostoria Screw Co.
508 Blue Print Ave Fostoria, Ohio

KING BOLTS
SPRING BOLTS
TIE ROD BOLTS
STEEL & BRONZE BUSHINGS

BOLTS BLUE PRINT BUSHINGS

Remote Control—A *Radio Revolution*

The New REMOTE CONTROL Radio Tuning Unit is the "something new" that radio editors are writing about, set owners are ready to take on and radio dealers will find among this year's fast selling items.

Radio editors and reporters at the big Chicago Trade Show called it a "Lazy Man's" device or referred to it as the "Radio Long Arm Reach."

Pat. App. For

First and Only Successful Practical Device Ever Invented to Control Radio Reception at a Distance.

Mechanical Remote Control Unit.....$18

Electrical Remote Control Unit.. .. $60

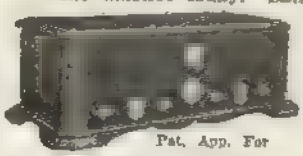
The New Thermiodyne REMOTE CONTROL Radio Tuning Unit enables the owner to shift stations and tune volume at will, at a distance from his set, without getting out of his easy chair. Just the thing for invalids and shut-ins.

Easily attached to any single dial receiving set, simply by removing the dial and attaching adapter plate as furnished with unit and hooking up connection with set terminal

Thermiodyne WT7

LONG DISTANCE

Hard pan radio value. No furniture or cabinet features, but sturdy, high power, go-getting radio reception Without doubt the best set value on the market today. Same hook-up in every detail as wonderful T A 7 outfit



Pat. App. For

Price $150

Algonquin Speaker

Trade Mark Reg. U. S. Pat. Off.

High quality and popular priced. Sells itself on demonstration. Nothing like it in its class. Exceptionally fine electro-magnetic reproducing unit. Extremely sensitive throughout entire vocal and instrumental register. Full floating 18" cone of moisture-proof fabric—*not paper*. Art metal frame with ornamental scroll and ship model design, in polychrome gold stipple finish.

List price .. $15
(West of Rockies ... $18)

Pat. App. For

XV Century all-metal Spanish Treasure Chest cabinet, individually, doubly and totally shielded. Polychrome gold and pastel stipple finish. Price..... $180

Wrought Iron Console to match cabinet. Price $46

Thermiodyne Speaker The finest reproducer we have ever turned out. Price, ... $30

Complete Assembly $250

All Prices Quoted List f o b factory, Poughkeepsie, N. Y. Tubes and Accessories accepted unless Otherwise Quoted.

Improved construction and refinement of characteristics make this the over-topping example of Power and Quality in today's radio reception.

New Thermiodyne TA7

Pat. App For

Algonquin Radio Products will be backed up by Extensive Advertising this 1927-28 Radio Season. Liberal Discounts, Acceptable Terms and Exclusive Territory to Radio Merchants of High Community Standing and Responsible Financial Rating.

ALGONQUIN ELECTRIC CO., Inc.

LEO POTTER, President

Makers of Algonquin Speakers and New Thermiodyne Receivers

245 Fifth Avenue, New York City

New from stem to stern

The REO FLYING CLOUD Sedan

the finest, fastest model of America's longest lasting car

Four hydraulic shock absorbers—As indication of the completeness and expensiveness of the equipment furnished, the Reo FLYING CLOUD is regularly equipped with four hydraulic shock absorbers, of a type heretofore found only on the most expensive cars.

Newly designed hydraulic four-wheel brakes—Internal, not external—providing Equally effective braking under all weather conditions, wet or dry, hot or cold. An effective braking in reverse as in going forward. These brakes are an exclusive feature of the Reo FLYING CLOUD.

Finger Tip Control simple, single disc clutch, engaging easily, quietly and without jerking.

Bodies, in the Continental manner, exclusive Flying Cloud design, clear vision, lowered height.

Torsion Vibration Absorber.

Seven-bearing Crankshaft

Interiors tailored in an entirely new treatment!

Speed like a storm cloud before a hurricane.

Quickly adjustable front seat.

40% increase in power.

Dynamically balanced wheels.

Front and rear bumpers.

Longer Wheelbase Air cleaner functioning freely at all speeds.

Finger Tip Steering, modern cam and lever type.

Tornado-like acceleration.

New model oil filter.

Double filament controlled beam lights, non-glare lenses.

Shoalwater Blue and other colors.

Ceiling pattern fittings.

Motor, full rubber floated at *four* suspension points.

Gasoline gauge on the instrument board

Parking Brake, on transmission shaft.

Automatic, positive action, crankcase ventilator.

Thermostatic heat control insuring proper driving heat under all conditions.

Thermostatically controlled generator preventing battery overcharging.

Among many other items of equipment and features of construction are. Single piece windshield opening outward, plate glass windows, vanity case and smoking set, rear traffic signal, transmission lock, automatic windshield cleaner, cowl ventilator, parking lights, genuine full balloon tires, integral sun visor, rear-view mirror.

REO Flying Cloud Sedan

© R.M.C. Co. 1927

NO OTHER AMERICAN CAR LASTS AS LONG AS REO—*NOT ONE*

At the 1927 Automobile Shows

The Improved New

SAFETY STUTZ

is repeating its successes of 1926 as the dominating sensation of the shows

STILL years ahead of conventional design; now proved by millions of miles with thousands of enthusiastic owner-drivers; its features further developed and refined for 1927; proclaimed the world's safest automobile.

Weymann Flexible Bodies introduced, for the first time to America, on Stutz chassis.

Write or wire for the Stutz Dealers' Proposition

STUTZ

STUTZ MOTOR CAR COMPANY *of* AMERICA, Inc.
Indianapolis

Over
1¼ million
radio sets
are now
Balkite
equipped

FANSTEEL PRODUCTS CO., Inc.
North Chicago, Illinois

Balkite
Radio Power Units

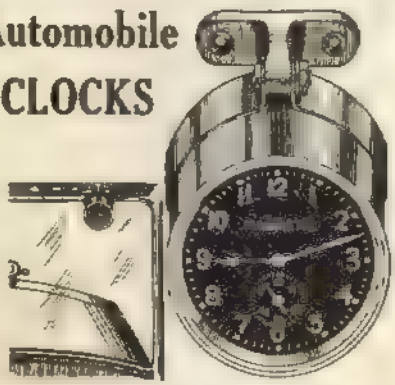
oil pumping
piston slap
and
compression
loss

without resizing cylinders
and installing new pistons

Simplex Distributor near you wants to prove it and show you how to make more profit. Write for appointment.

The Simplex Piston Ring Company of America, Inc.
19 . Eas. 6 h Street
Cleveland Ohio

MAGNETIC Self-Winding
Automobile
CLOCKS



For Mounting Over the Windshield

NOW—An electrically wound clock for overhead mounting in closed cars. SERVES ALL THE OCCUPANTS OF THE CAR. Beautifully finished in full polished nickel. Complete with bracket and 5 ft. of cable. Can be installed in an instant. Models for Dash and Steering Post mounting

From your Jobber or write for prices, discounts, and full information.

The Magnetic Clock Company
HARTFORD, CONNECTICUT

The Radio Trade Show in Chicago will be one of the biggest contributions to the radio industry's expansion

Do not fail to attend—it will be of immense educational value to every dealer and jobber interested in radio.

Amplion will be there with a complete display and demonstration of the latest models and developments.

You are cordially invited to see this display and inspect Amplion's contribution toward "Better Radio Reproduction."

STEVENS HOTEL
Michigan Avenue Chicago
June 13th to 19th

AMPLION

THE AMPLION CORPORATION OF AMERICA
280 Madison Avenue New York City
Member Radio Manufacturers Association

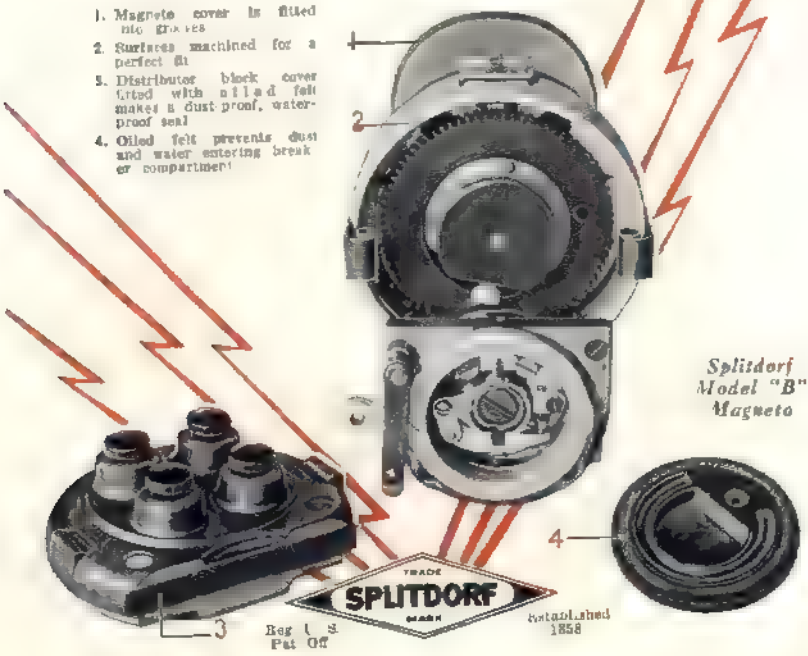
A new Splitdorf *Water-proof* Magneto built for trouble-free, never-miss ignition

This new instrument has been developed to meet the need for a magneto truly water-proof and absolutely dependable under all conditions of service. Splitdorf Model "B" Magneto will supply unfailing, powerful sparks that will keep a motor running through a drenching rain and maintain service in all weathers.

Splitdorf Model "B" Magneto is a superior instrument operating on the inductor principle. At all engine speeds sparks are strong and hot. The exceptionally strong, fuzzy spark improves pick-up, increases speed and adds power.

Splitdorf Model "B" Magneto is made for two, four and six cylinder engines. An exclusive advantage is the provision of both 20 and 30 degree timing range slots. Contact points can be adjusted conveniently. The advance lever may be set right, left or vertical. Splitdorf Electrical Company, 392 High Street, Newark, N. J. *Subsidiary of Splitdorf-Bethlehem Electrical Company.*

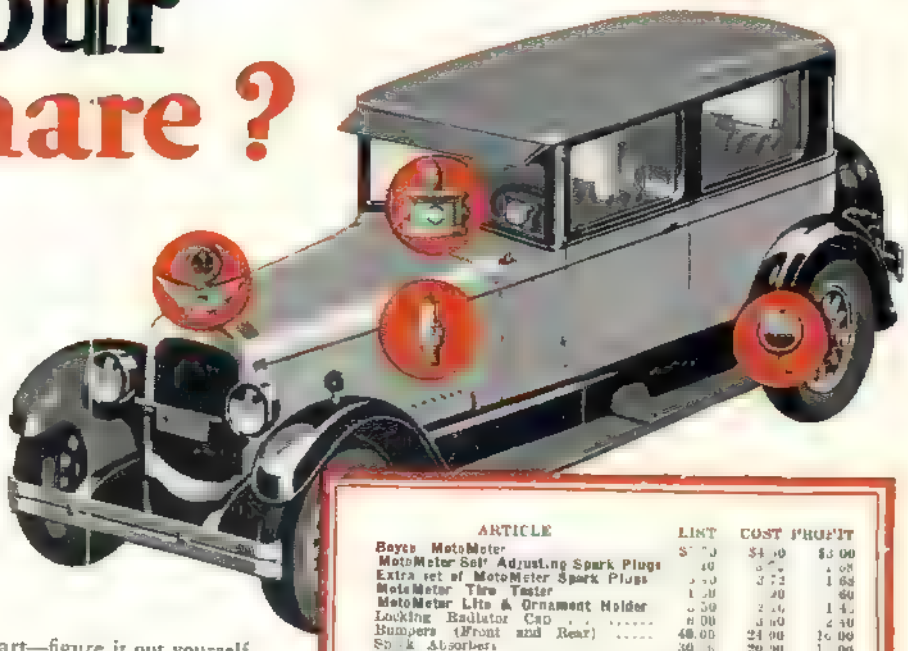
1. Magneto cover is fitted into grooves
2. Surfaces machined for a perfect fit
3. Distributor block cover fitted with oiled felt makes a dust-proof, water-proof seal
4. Oiled felt prevents dust and water entering breaker compartment



Splitdorf Model "B" Magneto

HIGH-GRADE SPLITDORF SPARK PLUGS ARE 50 CENTS A TYPE FOR EVERY ENGINE

Are you getting your share ?



ARTICLE	LIST	COST	PROFIT
Boyce MotoMeter	$5.00	$4.00	$1.00
MotoMeter Self Adjusting Spark Plugs	.40	.32	.08
Extra set of MotoMeter Spark Plugs	2.50	1.72	1.68
MotoMeter Tire Tester	1.50	.90	.60
MotoMeter Lite & Ornament Holder	3.50	2.10	1.40
Locking Radiator Cap	6.00	3.60	2.40
Bumpers (Front and Rear)	40.00	24.00	16.00
Shock Absorbers	30.00	20.00	10.00
Chains	4.00	3.00	1.00
Tire & Tube extra)	40.00	20.00	12.00
Tire Lock	3.00	1.80	1.20
Tire Cover	2.50	1.75	.75
Automatic Windshield Wiper	5.00	3.00	2.00
Gear Shift Ball	2.50	1.50	1.00
Heater	15.00	9.00	6.00
Cigar Lighter	5.00	3.00	2.00
Spot Light	10.00	6.00	4.00
Clock	12.50	7.50	4.80
Extra Set Bulbs	.75	.90	.60
Step Plates	4.00	2.40	1.60
Luggage Carrier	1.50	.90	.60
	$195.80	$122.29	$73.51

The above figures are average and are based on usual discounts to dealers of 33 1/3% to 40%

STUDY this chart—figure it out yourself it shows the relation that accessory sales have to the balance sheet.

Go after and follow up accessory business: profits bulk fast; some one is sure to make the sale—why shouldn't you get the full share of extra profits that is rightly yours?

Serve your market! The sales resistance on accessories is small with profit large. The opportunity is far too good for any dealer to pass up.

THE MOTO METER COMPANY, Inc.,
Long Island City, N. Y.
THE MOTO METER CO. OF CANADA, Ltd.,
Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company.

There is no faster selling, more profitable accessory than the BOYCE MOTOMETER

IF IT'S A MOTO METER PRODUCT IT'S THE LEADER IN ITS LINE

NEW! VIBRATOR HORN

by Stewart-Warner

$7.25

West of 100° Meridian $7.50

Universal bracket permits installation on any make car. No need to carry a variety of brackets.

Maximum Size and Tone— Minimum Price

NOTE the size of this horn—14¼ inches in length. The long bell gives a tremendous full-throated volume with the slightest touch of the button. Now you can offer the motorist a man-sized horn of a distinctive appearance and tone, and all the volume he wants, at an attractive price. The biggest horn value ever offered dealers and car owners.

Motorists are no longer satisfied with the old type of motor horn with its ordinary tone that fails to get instant attention. They are demanding the new vibrator type. Get ready now for spring and summer business by stocking and displaying this new Stewart-Warner horn.

Its unusual appearance will get attention —its tone and dependability will give satisfaction and help you build up a profitable horn business.

BUMPERS

SPEEDOMETERS

SHOCK ABSORBERS

WINDSHIELD CLEANERS

SPOTLIGHTS

HEATERS

This substantial and beautiful stand for window and counter display may be obtained through the Stewart-Warner Products Service Station that serves you.

STEWART-WARNER SPEEDOMETER COR'N
CHICAGO - U. S. A.

Studebaker Dealers
start their biggest year

STUDEBAKER — always a valuable and highly profitable franchise now enters its greatest era of dealer prosperity with the advent of the new Erskine Six—the little aristocrat of motordom.

Studebaker dealers now have a price range from $945 to $2245—the Erskine at $945 to $995—the Studebaker line at $1160 to $2245. Both lines are Studebaker designed a warrant of value and a guarantee of advanced engineering and mechanical excellence.

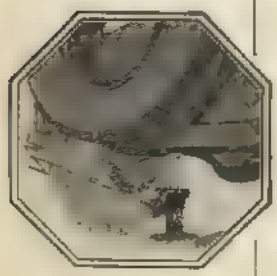
Picture the available market in your vicinity for a line of fine cars opening at the above low figure. The Erskine Six alone will open up opportunities of sales that have not been touched. Bodies by one of the world's greatest custom designers -Dietrich. Performance standards unapproached. The whole motor world admits it is the most original car in conception and development of a decade.

There is not a purse or a purpose that the combined Studebaker and Erskine lines do not fit. The values represented in both cars are supreme in the industry. Here are profits heaped on profits for you, if the franchise you want is still open. Wire for particulars.

STUDEBAKER

The New No. 525 Walker Jack was designed with one thought in mind namely to make the finest passenger car jack ever built, and one that any man would be proud to own, as a part of his car equipment.

A long turning type handle with special grips and proper leverage is used to place the jack under the car, make the lift, and withdraw the jack, while a universal joint in the end of the handle makes it easy to clear all interference, such as gas tanks, spare tires, bumpers or fenders, a very necessary feature for use on cars with Balloon Tires and low axles

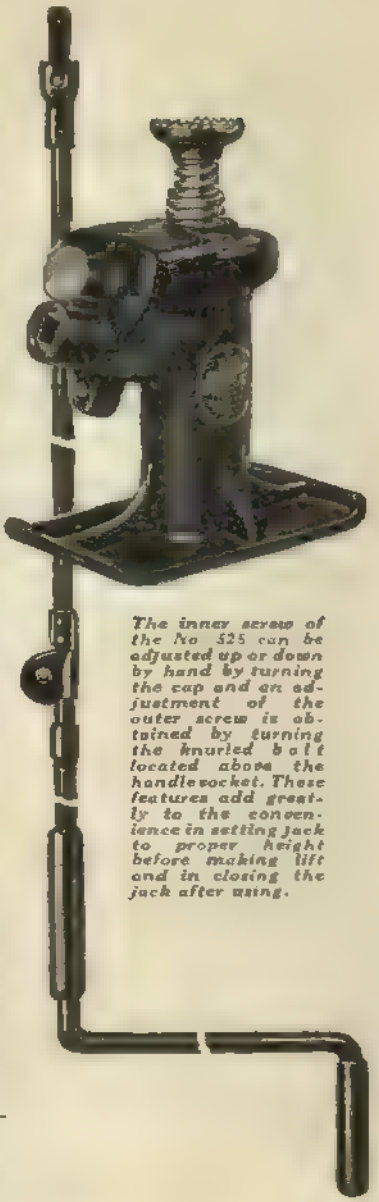


List Price $6.85

Just as surely as Balloon tires have given additional riding comfort to every user, so the new No. 525 Walker Balloon Tire Jack will relieve owners of the dread and discomfort of tire changing.... Regardless of road conditions, this jack will start low enough and raise the car high enough to put on a fully inflated spare....A jack must do this or it is a useless piece of equipment....Dealers—your customers are waiting for this jack, they need it, they're asking for it....The market is ready.... Are you?

Willard Walker

President
Walker Manufacturing Co.
Racine, Wisconsin



The inner screw of the No 525 can be adjusted up or down by hand by turning the cap and an adjustment of the outer screw is obtained by turning the knurled bolt located above the handle socket. These features add greatly to the convenience in setting jack to proper height before making lift and in closing the jack after using.

Walker Jacks

"Dependable in Service"

Powerful Reasons

why you can earn more profit next year

with STUDEBAKER

THE GREAT INDEPENDENT

Another big reason why The Studebaker Commander outsells the combined totals of *all* other cars in the world of equal rated horsepower is that those other cars must sell for more than *double* $1495!

Eight recent triumphs prove The Commander, now reduced to $1495, fully equipped, will out-perform all other cars selling below $2000!

. . . 5000 miles in less than 5000 minutes

. . . New York Harbor to San Francisco Bay in 77 hours 40 minutes . . . new coast-to-coast record

. . . first and second places in A. A. A. 75-mile stock car race at Atlantic City

. . . first, second and third places in A. A. A. stock car race at Charlotte speedway for cars listing below $2000 . . . 88 m. p. h.

. . . up Pikes Peak Mountain (14,000 feet elevation) in 22 minutes 47 seconds

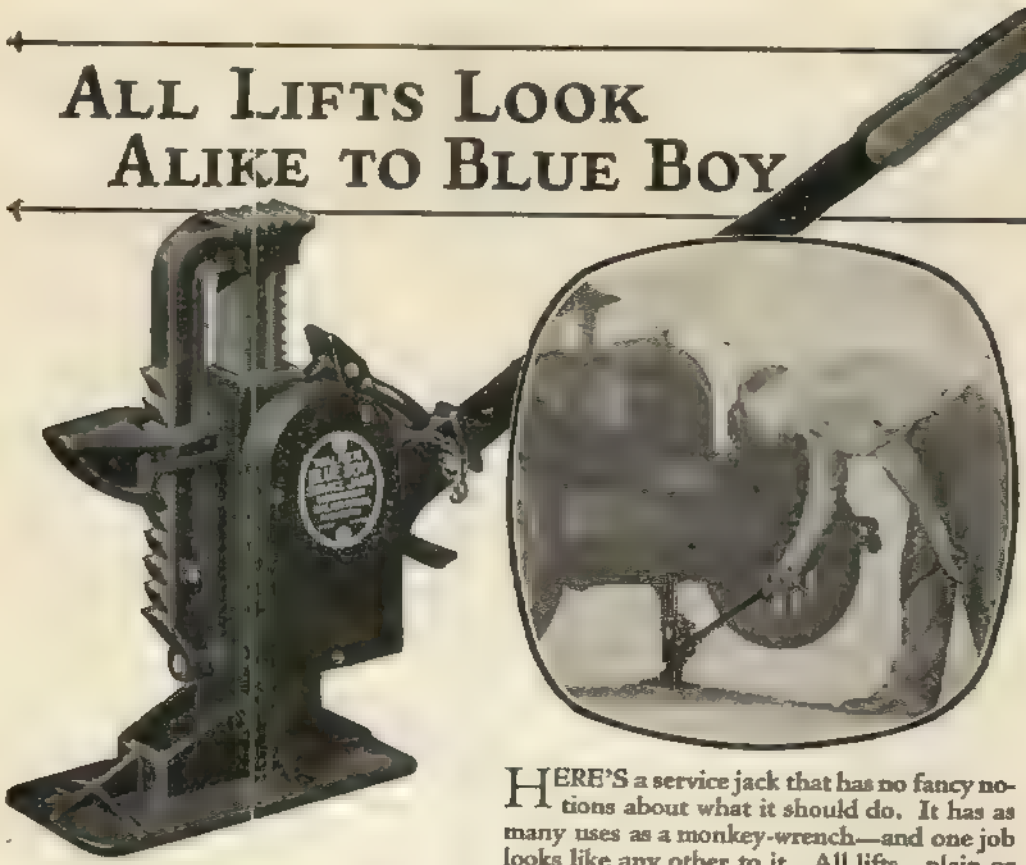
Studebaker dealers are not restricted to The Commander alone—they sell a complete line of quality Sixes—$895 to $2250, completely equipped. Write or wire today about this valuable Studebaker-Erskine franchise for *your* territory! Address Department 53, The Studebaker Corporation of America, South Bend, Indiana.

STUDEBAKER

ERSKINE SIX

Two franchises in one—offering cars from $895 to $2250

ALL LIFTS LOOK ALIKE TO BLUE BOY



BLUE BOY

FILLS THE BILL FOR THE SERVICE TRUCK

Blue Boy "fills the bill" for service truck use. It has a height of 10½ inches for snappy work on ordinary axles and springs, and the foot lift goes down to 4 inches for the low axles and balloon tires. The raise of 7 inches gives plenty of clearance and the corrugated cap prevents slipping. The two-foot handle with a comfortable wood grip helps make the lift easy and fast—and the ring handle provides an easy means of toting Blue Boy around.

HERE'S a service jack that has no fancy notions about what it should do. It has as many uses as a monkey-wrench—and one job looks like any other to it. All lifts—plain or fancy, up to 3 tons—are Blue Boy's daily diet. Consequently, Walker No. 125 Blue Boy is one of the most popular and widely used jacks for service work. In many garages every mechanic has his Blue Boy and there's always one in the service car. Wherever they are, Blue Boy lifts 'em—quickly and efficiently—wthout coaxing or fussing.

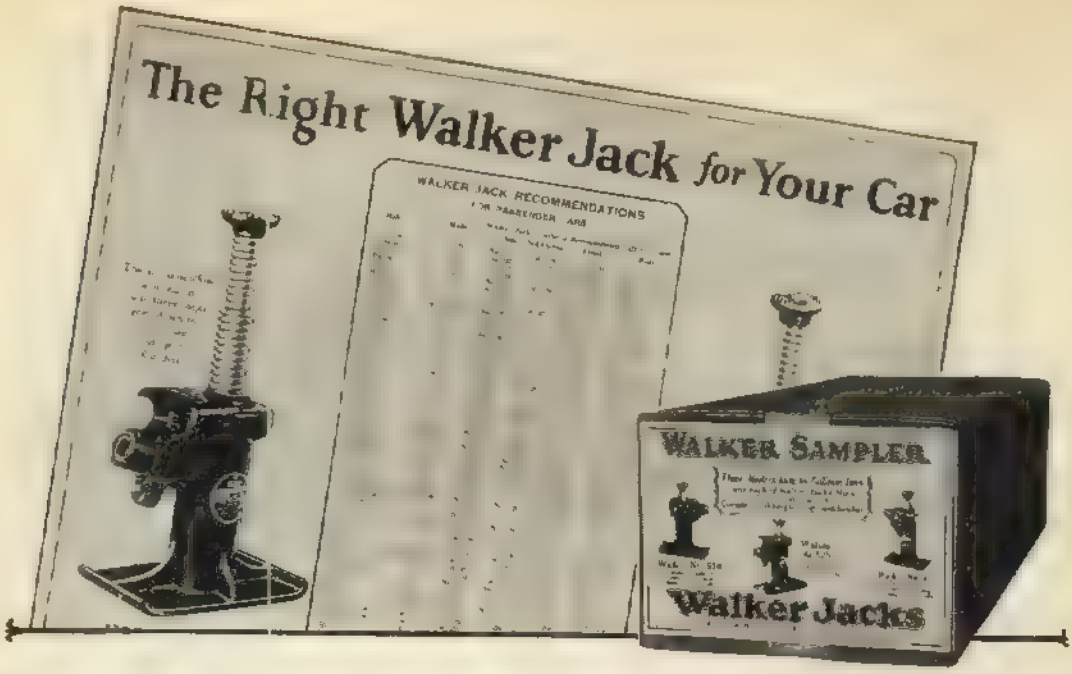
In changing tires, removing wheels, adjusting brakes, greasing wheels, installing brake lining, in all spring work and a score of other jobs Blue Boy is always ready to step in and bear the burden. Its heat-treated rack and drop-forged dogs give it the rugged strength to deliver service as long as there's lifting to be done.

Walker Blue Boy is *the* all 'round jack for every garage and service station. Ask your jobber salesman for a demonstration.

WALKER MANUFACTURING COMPANY
Racine, Wisconsin

Walker Jacks

THE COMPLETE LINE



Here's What You've Needed to Sell Jacks

NOW you can sell jacks—intelligently, confidently and profitably—and with only a few dollars invested in stock. Walker offers you a Recommendation Chart that puts an end to all guess work—tells you instantly what jack to recommend for any make or model of car—tells you whether the lift should be made under axle, spring clip or spring seat, either front or rear. By displaying and using this Chart you'll sell more jacks—and you'll sell the *right* jack every time.

The Walker Recommendation Chart and a new Counter Display Card are packed in each Walker Sampler—the new package containing one each of the three recognized leading jacks for balloon tires—the Walker No. 525 for large cars, the No. 520 for cars of medium weight and the No. 515 for light cars. Each jack comes complete with long turning-type handle. Each is built on the famous *screw-within-a-screw* principle.

If you are not already selling Walker balloon tire jacks, order the Walker Sampler from your jobber today. If you are a Walker Jack dealer, write us for the Recommendation Chart.

WALKER MANUFACTURING COMPANY
Racine, Wisconsin

Walker Jacks

"Dependable in Service"

The automotive department store of John O'Day, H R. Allen and A. F. Zander, in Merrill, Wisconsin

"A profitable part of our business . . ."

MERRILL is a town of 8068 population in the lumber district of northern Wisconsin. Here, in August, 1921, Allen & Zander obtained the Studebaker franchise. During the remainder of 1921 they sold four cars. Now their new car sales consistently average more than five cars a month.

"The famous Studebaker Used Car Pledge is a very valuable portion of the Studebaker franchise," declared F. D. Fritz, manager. "It makes the used car department a profitable part of our business because our Pledge-backed cars are always in demand.

"Our new car sales have practically doubled since Studebaker introduced its new Commander models—and the new Erskine Six models widen our market greatly.

"The first thought of the Studebaker Corporation seems to be, 'Our dealers must make money.' I am, and always hope to be, a Studebaker dealer."

If Studebaker is inadequately represented in your locality, or not at all, write us today regarding the sales rights for your territory. Your inquiry will be held strictly confidential. Address Department 53, Studebaker Corporation of America, South Bend, Indiana.

STUDEBAKER

ERSKINE SIX

Two franchises in one—offering cars from $895 to $2495

New York Speaks the Same Language as Paris

THE enthusiastic reception accorded the new Erskine Six in Paris and London has been repeated in New York.

The addition of the Erskine Six to the Studebaker Custom line provides Studebaker dealers with models ranging from $945 to $2245—supreme values in the modern, fine-car field.

Between August and January, 1142 inquiries were received regarding the Studebaker franchise—500 new dealers were appointed!

It is possible the Studebaker-Erskine sales-rights may be open in your territory. Wire or write today. Address Department 53, The Studebaker Corporation of America, South Bend, Indiana.

STUDEBAKER

Light a match to a fifty dollar bill and the loss would be no more than driving a few blocks on a flat Balloon tire. Low pressure tires must be changed immediately following a puncture to avoid serious damage. Thousands of dollars will be saved by the motoring public and hundreds made by dealers who show their customers that a small investment in the right jack will save ten times its cost ... 18 years spent in building quality jacks provide a background of experience which enables me to recommend to every dealer the Three Double Extension Balloon Jacks shown here as jacks that will best serve your customers and whose sales possibilities offer a splendid opportunity for profit : : :

Orland Walker

President
Walker Manufacturing Co.
Racine, Wis.

No. 520
This jack with handle is equipped with the largest balloon tires. Height 7 in. Raise 8½ inches. Capacity 1 ton. Weight 8½ lbs. Diameter of screw 1⅛ inches. 30 inch folding crank handle. List price $5.00.

No. 515
This is a double extension screw jack for light cars. Height 5½ inches. Raise 8½ inches. Capacity ton. Weight 7½ lbs. Diameter of screw ⅞ 1⅛ inches. 32 inch folding crank handle. List price $4.00.

No. 525
This is the finest passenger car jack ever built. Height 7 in. Raise 8½ inches. Capacity 2 tons. Weight 15 lbs. Diameter of screw 1¼ inches. ⅞ inches. 48 inch folding crank handle. List price $6.85

Walker Jacks

"Dependable in Service"

ERSKINE SIX

Studebaker's New 2⅓ Litre Car

FOLLOWING its triumphs at the Paris Salon and the London Olympia Show, the ERSKINE SIX will be shown—for the first time in America—at the New York Automobile Show, January 8-15.

The ERSKINE SIX combines rugged American engineering with the coveted characteristics of European cars.

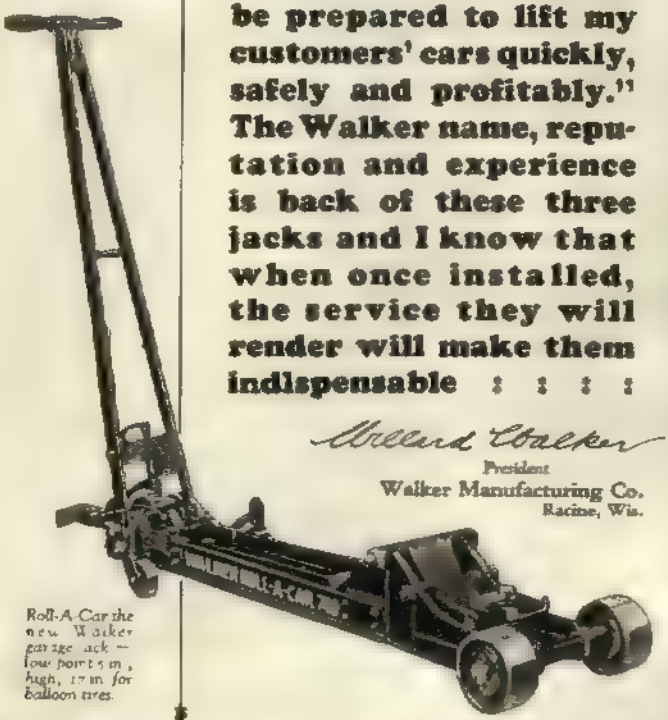
Economy of 25 to 30 miles to the gallon; speed of 60 miles an hour; acceleration of 5 to 25 miles per hour in 8½ seconds; power to climb an 11 per cent grade in high gear; full vision steel body, designed by Dietrich, and Studebaker quality throughout—*all at less than* $1,000! These features suggest the sales opportunity the ERSKINE SIX will offer Studebaker dealers, through whom it will be sold exclusively.

It is possible that the Studebaker-Erskine franchise may be available in your territory for 1927. A telegram or letter of inquiry will bring a prompt reply and will be held strictly confidential.—Address Dept. 53 The Studebaker Corp. of America, South Bend, Indiana.

See it
at the
NEW YORK
SHOW
Jan. 8-15, 1927
Space B11-B
Second Floor

A New Year's resolve for many garage and service station owners: "I will not operate another year without good lifting equipment. I realize the time and money I have lost trying to get by with makeshift lifting tools. Therefore I am going to buy a Roll-A-Car, a Lift-A-Car and a Blue Boy and be prepared to lift my customers' cars quickly, safely and profitably." The Walker name, reputation and experience is back of these three jacks and I know that when once installed, the service they will render will make them indispensable : : : :

Howard Walker
President
Walker Manufacturing Co.
Racine, Wis.



Roll-A-Car the new Walker garage jack — four point 5 in., high, 17 in. for balloon tires.

Specification

No. 71[illegible] A Walk[illegible] Lift A[illegible] hei[illegible] cap. ½ in., raise 8[illegible] in. extension rack in extended hei[illegible] 13 in., capacity ton weight 50 lb

Specification

Walker No. 125 [illegible] Blue Boy Jack height 10½ inches lift raise 7 inches, capacity 3 tons, adjustable foot lift 24 inches steel handle with wood grip weight 1[illegible] pounds

Walker Jacks

"Dependable in Service"

Breaking Records for Performance and Sales *Everywhere*

5,000 miles in less than 5,000 minutes is the amazing new record of a stock Studebaker Commander—a closed job, fully equipped even to spare tire—on the Culver City Speedway in California. Nine other world records were set at the same time.

At Batavia, N. Y., in competition with five other makes on Burleigh Hill, The Commander won the slow-time test with an average speed of 5 miles per hour, winning also the fast test from standing start and the fast test from flying start. On a weight-carrying test, The Commander carried 17 men, weighing a total of 2794 pounds, up the hill in 29 seconds—starting at 35 miles an hour at the bottom and having a 22-mile speed at the top.

In a novel test at Washington, D. C., The Commander was driven up a series of 20 steep ramps or inclines—a distance of over 1500 running feet—in one minute and 29 seconds, beating its nearest competitor by five full seconds.

That Studebaker is shattering previous records for sales is shown by its position in the three leading markets of the country:—

In New York, Studebaker registrations for March are 63% above March, 1926.

In Chicago, Studebaker registrations for March show a 26% increase over March of last year.

In Detroit and Wayne County, Michigan, Studebaker registrations for March show a gain over last year of 47%—the largest percentage of gain made by any large producer, except that of one low-priced car.

Write or wire for information on the Studebaker-Erskine lines in your territory. Address Dept. 53, The Studebaker Corporation of America, South Bend, Indiana

STUDEBAKER

This is a Studebaker Year

The Latest in Balloon Tire Jacks

No. 525 Walker Jack

This is the finest passenger car jack Walker ever built—designed especially for heavy cars with balloon tires. Gear reduction and large ball bearings make lifting easy with 48 inch folding crank handle. Height 7⅛ inches. Raise 8½ inches. List price $6.85.

No. 520

These two jacks operate on the same principle as the No. 525. They are merely designed for lighter work and do not embody the gear reduction feature. The No. 520 is for medium weight cars and lists at $5.00. The No. 515 for light cars lists at $4.00.

No. 515

YOU'll never make a friend or a customer out of a man by selling him a poor jack. But sell him one of the Walker Double-Extension-Screw Jacks and you can just about bet he will become one of your life-long boosters. For people do want better jacks. And the Walker Double-Extension-Screw models—Nos. 525, 520 and 515—seem to fill the bill exactly. These are the very latest in balloon tire jacks—compact, powerful and, as everyone says, so easy to operate. Walker de-designed from start to finish, and Walker quality from base to tip of handle.

Willard Worker
President

Walker Manufacturing Company
Racine, Wisconsin

Walker Jacks

"Dependable in Service"

Why I say you can sell the Stutz

Another personal letter to salesmen

by

F. E. Moskovics

President

STUTZ MOTOR CAR COMPANY
OF AMERICA, Inc.
INDIANAPOLIS

I TOLD you last week that you could make money selling this car—more profit than on like cars. I gave you a few reasons—let me add here that these statements are the result of the record these cars made during the past year in the hands of owners.

I've been in the motor car business for 30 years and I know selling values, but never in all that time have I ever had a car that has so many clearly defined and easily demonstrated advantages over its competing field.

A year ago the story was "Well, let us see this new car out a year before we buy." That period of probation is past. The car has had its year of trial and the verdict is in. If you will write me I'll prove to you what that verdict is.

But get this in your mind. The Improved New Safety Stutz will give an owner more in performance, more in ease of riding, ease of handling, more in rugged stand-up, stay-putness, than any comparable car. And, most important, more features of safety and stability than any other car in the world.

Again, let me add I am prepared to prove these things for you or to you. You can sell a car like this. A car you can sincerely put your heart and soul in. Write me. I will tell you how to go about it.

(Signed) F. E. Moskovics

STUTZ

It is a part of the Linde square deal

BUSINESS friendship, like personal friendship, is based on mutual liking and mutual trust. It begins when promises are kept. It is fostered by aiding customers in the efficient and economical use of a product.

Linde can speak with authority on the subject because Linde customers are Linde's friends. They stick to Linde because they have always had a square deal in its 19 years of life.

Linde service is one of the reasons. This means, in the first place, that when you order oxygen from Linde your order can be filled immediately. And this statement holds good anywhere in the country, for Linde has 37 plants and stocks in 107 warehouses.

In addition to a sure supply of oxygen, Linde, through its service organization, shows you how to use the oxy-acetylene process efficiently and economically.

It is part of the Linde square deal.

THE LINDE AIR PRODUCTS COMPANY
Unit of Union Carbide and Carbon Corporation
General Offices Carbide and Carbon Building
30 East 42d Street, New York
37 PLANTS 107 WAREHOUSES

LINDE OXYGEN

Why I say you can sell the Stutz

Another personal letter to salesmen

by

F. E. Moskovics

President

STUTZ MOTOR CAR COMPANY
OF AMERICA, Inc.
INDIANAPOLIS

I TOLD you last week that you could make money selling this car—more profit than on like cars. I gave you a few reasons—let me add here that these statements are the result of the record these cars made during the past year in the hands of owners.

I've been in the motor car business for 30 years and I know selling values, but never in all that time have I ever had a car that has so many clearly defined and easily demonstrated advantages over its competing field.

A year ago the story was "Well, let us see this new car out a year before we buy." That period of probation is past. The car has had its year of trial and the verdict is in. If you will write me I'll prove to you what that verdict is.

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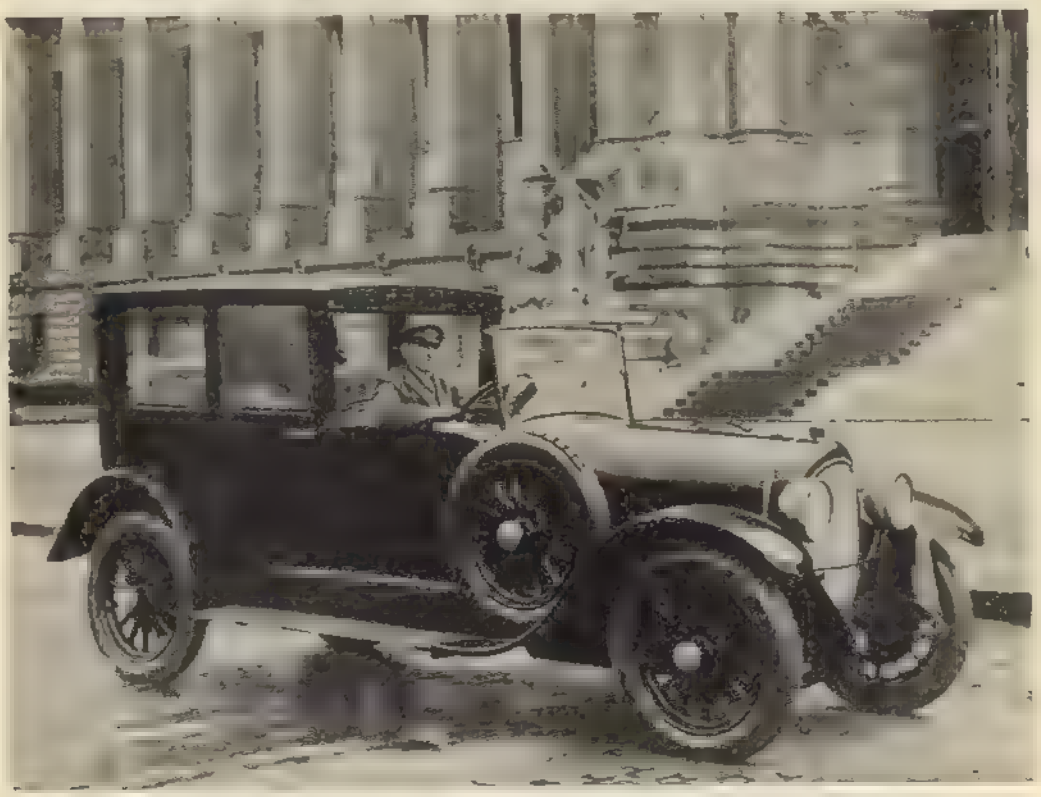
(Signed) F. E. Moskovics

STUTZ

The Delaunay-Belleville is Timken-Equipped



Timken results come only from Timken Bearings. That is why many of the great European motor car manufacturers, like Delaunay-Belleville, use Timken Tapered Roller Bearings—a matter of purely engineering preference.

Beneath the prestige and sales-leverage of the phrase "Timken-Equipped" there is always the plain fact that **Timken-equipped cars are better.**

The Timken Roller Bearing Co., Canton, Ohio

HUPMOBILE DEALERS MAKE MONEY

"A Hupmobile contract is far ahead of all others we know. The factory service policy is 100% co-operation. We would not change our contract with any three others doing even a greater volume of business."

A. H. LATTA
President
A. H. LATTA, INC.
Atlantic City

Dealers or other business men interested in reports from Hupmobile dealers in their own vicinity may secure this information by writing the factory.

A 300% Increase in Sales with Hupmobiles since 1922

In 1922, the first year Alex H. Latta, Incorporated, Atlantic City, sold Hupmobiles, the firm did a gross business of $78,000. Last year, Hupmobile sales ran up to $271,000—an increase of more than 300% in annual volume.

"We were first interested in a Hupp franchise by the ability of an old Model N to pull out of mud holes and ditches and to tow trucks and cars of all sizes and weights to our shop," writes President A. H. Latta.

"When we left the truck business, we looked for a passenger car that would stand up and not worry us to death trying to service it. We went no further than the Hupmobile and we made no mistake, for our business has increased each year."

A. H. Latta, Incorporated, report the remarkable average of 40% repeat sales to former Hupmobile owners, indicating the exceptional owner-loyalty which has become one of the most valuable assets of a Hupmobile dealer.

We will gladly forward details of the Hupmobile contract to interested dealers upon request.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE

EIGHTS & SIXES

In the Bentley

Price is no particular object. In prestige and performance few cars of the world are its peers. Like many such motors whose high position is conceded, the English Bentley is Timken-equipped.

Europe finds Timken Tapered Roller Bearings an indispensable aid to the sort of economy which reveals itself in a lifetime of impeccable motor car service.

Timkens figure so broadly in European design that the manufacture of Timken Tapered Roller Bearings is carried on in English and French Timken factories.

The Timken Roller Bearing Co.
Canton, Ohio

HUPMOBILE DEALERS MAKE MONEY

JOHN U. BAER

"Most Profitable Automobile Franchise I Have Ever Held"

—J. U. Baer, Newcastle, Pa.

25% of all Hupmobile dealers have sold Hupmobiles for periods ranging from four to twelve years.

Dealers or other business men interested in the progress of Hupmobile dealers in their own vicinity may secure information similar to the above by writing the Hupp Motor Car Corporation.

John Baer, of Newcastle, Pennsylvania, has sold Hupmobiles since the first Model 20 was announced in 1909. In that period he has also held the franchise for other cars, affording him excellent opportunity for making comparisons.

"From my experience I can say that Hupmobile's present contract is the most profitable I have ever worked under," says Mr. Baer. "In addition the low cost of service has been a factor in my successful marketing of more than 700 Hupmobiles, averaging around two dollars per car under the guarantee."

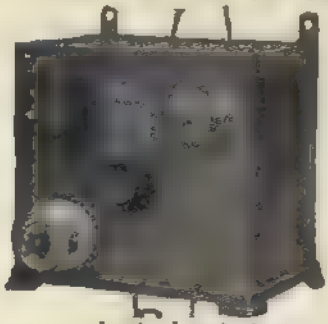
This pioneer Newcastle dealer now handles Hupmobile exclusively, having found that the complete line of Hupmobile Eights and Sixes meets the demands of a majority of his prospects for new motor cars.

It will pay you to investigate the Hupmobile opportunity in your own locality. Contract details will be gladly sent on request.

HUPP MOTOR CAR CORPORATION
DETROIT, MICHIGAN

HUPMOBILE
EIGHTS & SIXES

50 cents can make $8 to $10 for you in from 12 to 20 hours



If you are not charging batteries in your shop now, you are letting profits slip away from you. Worse than that, customers who are going elsewhere for battery service may become somebody else's customer for all their service.

Let us tell you what the profits are in charging batteries and how you can make those profits with a Valley G-10 garage type charger. Write for details.

VALLEY ELECTRIC COMPANY
4515 Shaw Avenue · · St. Louis

Valley Electric

ONLY ONE PRICE **35c**

CHRISTEN'S SAFETY WINDSHIELD WIPER BLADE

RUBBER wipes off dirt—FELT puts on chemical that keeps vision clear for hours *without continuous wiping*, in rain, mist, fog, snow.

This wiper blade fits any style automatic, or hand, windshield wiper.

Over 400,000 sold in 4 months

Ask your jobber

V. H. CHRISTEN MFG. CO.
319 Orleans Street DETROIT

TOKHEIM CUT 600

America's Greatest Visible Gasoline Pump

Master Controlled and Always Right!

The big ROUND pump that's always SQUARE

Combines speed with accuracy to a degree not approached by any other pump

Send for Bulletins describing Cut 600 Ten Gallon Hand Operated Model and Cut 605 Ten Gallon Motor Driven Model.

TOKHEIM
Oil Tank & Pump Co.
FORT WAYNE, IND.

AMPLION

distribution is country-wide

Distributors are especially enthusiastic about the Amplion innovations for this season

Important Announcement to the Trade

The Amplion Patrician now list price is $60.00

The Patrician assembles an Amplion unit and a 48 in. air column in a hand some [illegible] and carved [illegible] Do not fail to see this new model.

Amplion Patrician
AA18—$50.00

All lower types of reproducer your customers [illegible] whether it be [illegible] cone or phonograph [illegible] ment, the [illegible] unit, which is the heart of all Amplion [illegible] will [illegible] set to give its best performance

THE AMPLION CORP. OF AMERICA
Suite D, 280 Madison Avenue, New York City
The Amplion Corporation of Canada Ltd., Toronto

AMPLION

1927 Leaders

SNELL
Super Heater

Hottest of all automobile heaters. Heats quickly, odorless, ventilates. One model for all cars.

DUPLEX—

Second Spare Tire Carrier. The aristocrat of the road. Beautifies the car, holds second spare securely and locks it on.

RIMPLEX — TRIPLEX

Second Spare Tire Carriers for the lighter car.

DISPLAYED AT NATIONAL AUTO SHOWS
New York Show . . . Booth D 136 F
Chicago Show . . . . . Booth 209-211

Write today for descriptive literature

TRIPP-SECORD & CO.
Detroit, Mich.

Save That Winter Solution!

For Packing and Permanently Repairing the Leaky Water Pump—Use Conneaut Plastic Metallic Packing

A can of Conneaut Plastic Metallic Packing eliminates the usual proposition for the service shop. It is easily formed with the fingers to fit stuffing-boxes of any size or shape.

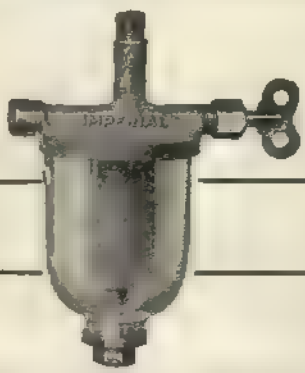
It is a permanent repair for the worn shaft and worn bushing. It forms an adjustable metal bushing in the stuffing-box. The packing-nut can be tightened at any time to make an adjustment up the packing if it is ever necessary.

Jobbers: We furnish catalogue sheets, sales helps and guarantee all first sales. Write us for quotations.

1 lb. can $1.75 per pound
5 lb. can 1.60 per pound

THE CONNEAUT PACKING CO.
CONNEAUT, OHIO

IMPERIAL
Visible Gasoline Strainer



THIS strainer has a cylindrical screen, providing an unusually large straining area and is easily installed on any make of car. It is quickly cleaned by removing a nut at the bottom and removing the screen. It will overcome any possibility of the carburetor becoming clogged with dirt.

130-J—Visible Gasoline Strainer, Each, $2.00

IMPERIAL BRASS MFG. CO.
1234 W. Harrison St., Chicago

E&J '520
Increasing Everywhere

—because they give two to three times more road illumination;

—because they cannot glare,

—because you drive with them full on, *always*,

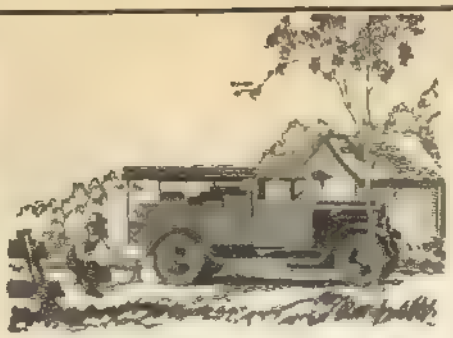
—because their beams penetrate fog, smoke and dust, enabling you to drive with comparative safety;

—because they assure maximum lighting safety and are legal everywhere,

—because they are so durable they can be used on several cars in succession.

(Manufactured under Bone patents 8-30-21 and 1-15-24. Other patents pending)

Edmunds & Jones Division
C. M. HALL LAMP COMPANY
DETROIT, MICHIGAN



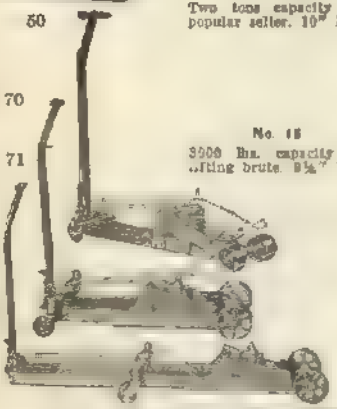
For Every Vehicle—Truck, Bus, Car—There is a Reliable Jack—

the original balloon tire jack. No adjustment by hand of inner screw before placing under axle. The long handle control does all. Positive in action whether top is in contact or not. This valuable feature is distinctive to RELIABLES alone.

No. 7
Built for hard service. 2½ tons capacity 10¼" lift.

No. 14
One ton capacity Fast and easily worked 9½" lift.

No. 15
Two tons capacity A popular seller. 10" lift



No. 16
3000 lbs. capacity A lifting brute. 9½" lift.

Ask us about these powerful hydraulic heavy duty service jacks. No. 50 general garage use. No. 70, for trucks. No. 71 for buses. Low and long, they handle heavy loads with ease. Unscrupulous manufacturers imitate the distinctive and long-established red color of the Reliable line but they cannot equal the stamina and genuine worth of these jacks.

ELITE MANUFACTURING CO.
ASHLAND, OHIO

Northwestern Branch:
G. A. Ashton Co.
St. Paul, Minn.
(Complete stock carried in Ashton Bldg.)

Southwestern Branch:
The Carroll Co.
Dallas, Texas
(Complete stock carried in Carroll Warehouse)

Sales Representatives
Motor Products Co.
149 Church St.
New York, N. Y.

McEwen Cherry Co.
1119 Nashville Trust Bldg.
Nashville, Tenn.

A. E. Morris
1450 Pine St.
San Francisco, Calif.

Send for our catalog.

RELIABLE BALLOON TIRE JACKS

"After using at least fifty different kinds of nickel polish during the past ten years, we have been convinced, without any question of doubt, that your Sun-Ray polish is by far, the best on the market."

OPENING PARAGRAPH OF LETTER RECEIVED FROM MR. L. C. WALTON OF THE SEARLE MOTOR CAR COMPANY OF LAWRENCE, MASS.

And this is the substance of hundreds of letters received each month from consumers, dealers, and jobbers from coast to coast.

SUN-RAY

SUPER POLISHES

HAVE STOOD THE TEST

The guaranteed rain-spot remover

The super wax body finish and cleaner

OUTSHINING THEM ALL

WRITE FOR PRICES AND SAMPLES

SUN-RAY SALES CO.

MANUFACTURERS AND DISTRIBUTORS

Chicago, Ill.

SOUTH ORANGE N. J. — SAN FRANCISCO CAL.

You can use it— or sell it— —or do both—

Day-Fan "Handy-Vac"

You know what helps sell a car nowadays—the woman's opinion of the upholstery. Take a tip from that and cash in on her desire for a good-looking interior. If she was fussy about it when the car was bought—she's just as fussy about its day-after-day appearance.

Keep her "sold" on your garage and your service by keeping the upholstery in top-notch condition with a Day-Fan Handy-Vac—the small vacuum cleaner with a full suction.

No brush or whisk-broom can keep upholstery as good-looking as Handy-Vac, or do the job so fast. Its husky Day-Fan Motor sucks out the ground-in dirt—no dust is left—therefore, the cloth shines with a showroom newness.

Easy to use—light in the hand—plugs in on any socket.

If you have an accessory shop—sell it there. Useful in the car—needed in the home. Sells for $18.75.

Write for information.

Day-Fan Electric Company
Dayton, Ohio

For More Than 38 Years Manufacturers of High Grade Electrical Apparatus

Only 3 Moving Parts

Rugged, Simple Efficient

Rugged, sturdy construction, simple design, slow speed operation make the DUNNING a heavy duty compressor of the highest efficiency.

Only THREE MOVING PARTS in the cylinder. A one-piece piston, hardened and ground shaft—and a tough bronze yoke. No connecting-rods, wrist-pins or wrist-pin bearings. No nuts, bolts or cotter-pins in the crankcase.

The Dunning JUNIOR AUTOMATIC is a fully equipped and completely Automatic Compressor with the same rugged construction of outfits costing 2 and 3 times more. There is no comparison in price.

Same high standards and exclusive features of the entire DUNNING LINE.

The ideal outfit for roadside gas and service stations, storage garages up to 100-car capacity, apartment house garages, private garages, etc. Inflates tires QUICKLY. Makes possible FREE AIR SERVICE for those who formerly could not afford a high-capacity, expensive compressor.

Write for descriptive circular and compare our specifications with those of any compressor.

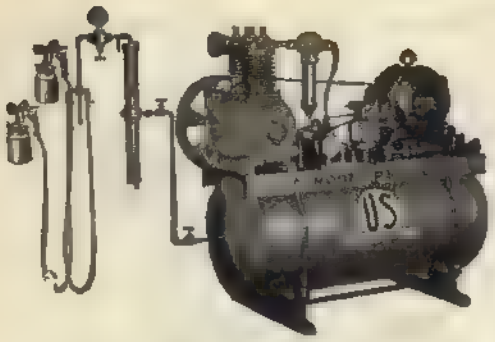
DUNNING
JUNIOR AUTOMATIC
Built for Service

Also—
The Dunning Air Leader. Larger Capacity —½ H.P. Motor—40 Gal. Tank.
The Dunning Air Master. For heavier service. Capacity 18 cu. ft.
The Dunning Junior. A portable compressor for use without tank.

DUNNING COMPRESSOR CO.
8405 Hegerman Street
Holmesburg, Philadelphia, Penna.

Air Pays Profits

With U. S. Combination Units



This Model

—does this—

—and this and many other things

WHERE compressed air once was used only to supply the *free* service of inflating tires, it now performs a multitude of *profit-producing* jobs for the modern garage or automobile service station. Under the modern flat rate service charge plan this is vital.

U. S. has perfected new double-duty equipments especially for car dealers and garages. These units supply *volume air at both high and low pressure* for the ordinary purposes and in addition, for paint spraying, cleaning motors, cleaning parts at the bench, blowing carbon, spraying springs with penetrating oil, operating pneumatic doors, gasoline systems, air lift grease racks and high pressure lubricating systems.

Model PSE-26, will supply sufficient low pressure air for the continuous operation of two paint guns, or for one paint gun and ample high pressure air for dozens of profitable operations.

The design and construction of this Model PSE-26, which is the twin-cylinder, air cooled, single stage type, assures by the perfectly balanced piston action much greater service than the large bore, single cylinder compressor of similar cubic feet displacement.

U. S. also manufactures all standard sizes of self-contained, automatic air compressors and totally enclosed, self-oiling, high pressure hydraulic car wash units. U. S. equipment is endorsed by leading car manufacturers in their new shop manuals to their dealers and distributors.

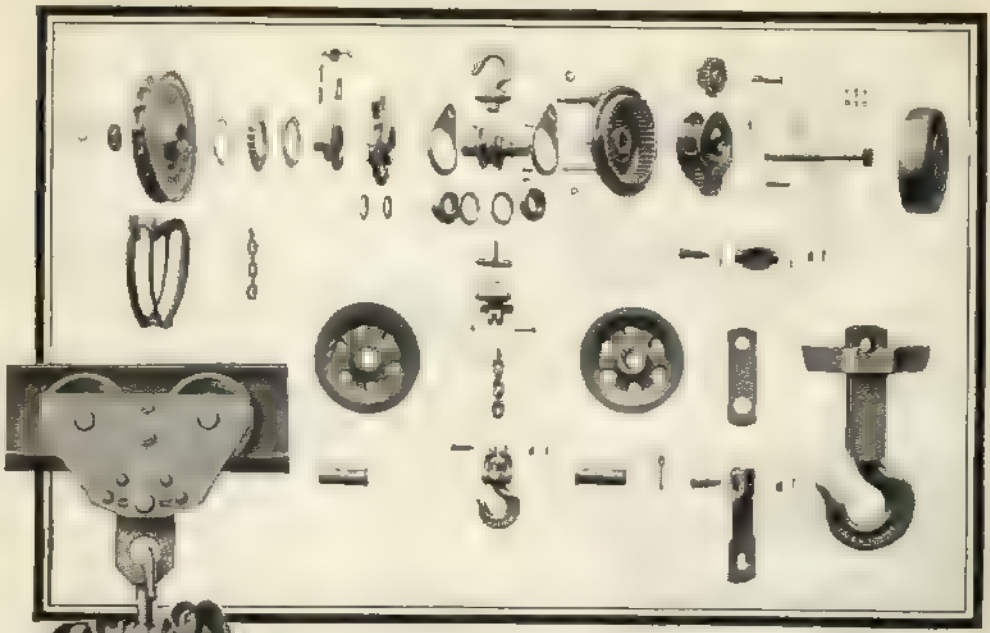
THE UNITED STATES AIR COMPRESSOR COMPANY

General Office and Factory 5302 Harvard Ave. Cleveland, Ohio.
Eastern and Export Office. Fisk Building, New York City
Western Office 927 Santa Fe Ave., Los Angeles, Cal.
Cable Address "Airpressor" All Codes.

US

The United States Air Compressor Company

TRADE **YALE** MARK



Every Part of Every Yale Chain Block *is Yale Made*

The above graphic illustration shows the essential parts in a Yale Ball Bearing Spur-geared Chain Block—drop forgings—steel, malleable, bronze and grey iron castings—heavy steel and chrome vanadium stampings and die formed steel load chain.

All of these parts are Yale made in the Yale plant and the purchaser is assured that because of this he secures a chain block superior to one produced *in any other way*.

Every chain block bearing the name Yale is the result of

Yale research and experience in the selection of materials
Yale development of correct formulae for metal composition
Yale ingenuity in designing
Yale accuracy of machining and processing
Yale inspection and super testing
Yale ability to secure utmost uniformity in product
Yale reputation for dependability.

Every salesman handling Yale Ball Bearing Spur-geared Chain Blocks, Yale Screw-geared Chain Blocks and Yale Differential Chain Blocks, is equipped to demonstrate the superiority of this product as the only one with *every part made by the manufacturer*.

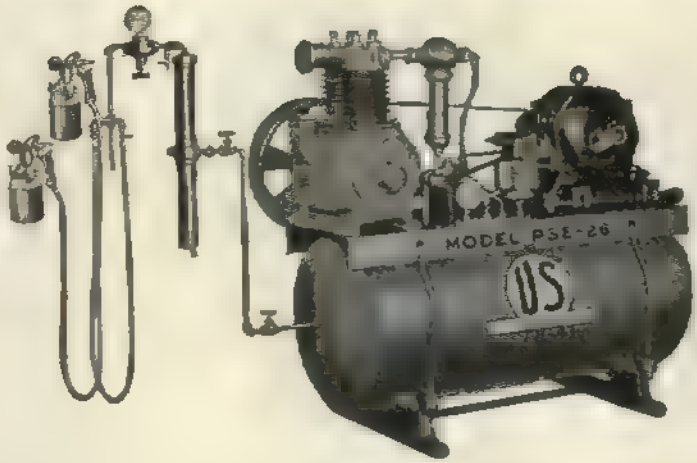
The Yale & Towne Mfg. Co., Stamford, Conn., U.S.A.

Canadian Branch at St. Catharines, Ontario

YALE MARKED IS YALE MADE

YALE **Hoisting and Conveying Systems**

U. S. ANNOUNCES



Combination—Double Duty Air Compressor

MODERN, up-to-date, garages and car dealers now need VOLUME AIR AT HIGH PRESSURE and the United States Air Compressor Company has designed special fully automatic compact, air compressor units to meet these demands.

People simply won't buy a used car with dead paint and rusted fenders. Turn your second-hand car department into big profits and quick turnover with the new U. S. double duty, PSE-26 unit.

This equipment will supply combination service—low pressure (60 to 90 lb.) air for paint spraying and high pressure (115 to 150 lb.) air for tire inflation and other service. The PSE-26 as shown above will supply sufficient air for continuous operation of two paint guns, or one gun and ample high pressure air for tire inflation, spraying springs, cleaning motors, bench nozzles and other purposes. It is well to remember when purchasing an air compressor that the ordinary tire inflation unit equipped with ¼, ½, ¾ or 1 h.p. motor will not furnish sufficient volume air for paint spraying.

Write today for literature describing this new equipment.

THE UNITED STATES AIR COMPRESSOR COMPANY

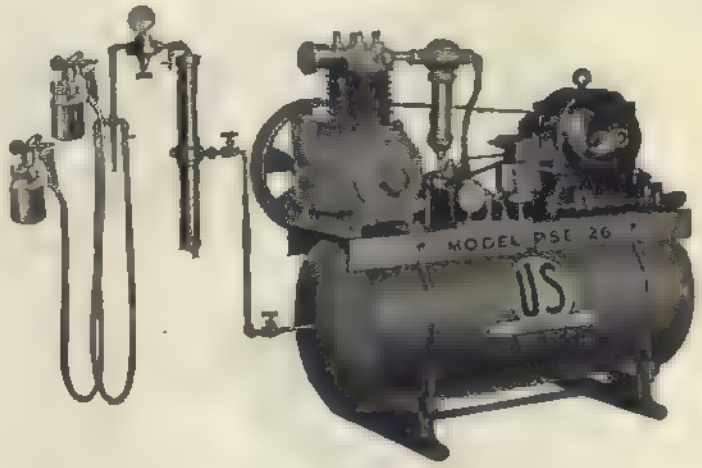
5302 Harvard Ave., Cleveland, Ohio, U. S. A.

Cable address: Airpresser—all codes

US

The United States Air Compressor Company

Combination Double Duty Paint Spray Equipment



The constant need of car dealers and service garages for volume air at both high and low pressure for a wide range of uses, has now been met by special U. S. Combination Units. These units, built especially for car dealers and garages, perform a variety of functions efficiently and economically.

This equipment will supply combination service, low pressure (60 to 90 lbs.) air for paint spraying, and high pressure (115 to 150 lbs.) air for tire inflation and other uses. The PSE-26, as shown above, is a twin-cylinder, air-cooled, single-stage unit.

It will supply sufficient air for the continuous operation of two paint guns, or one gun and ample high pressure air for tire inflation, spraying springs, cleaning motors, bench nozzles and other purposes.

It should be remembered when selecting an air compressor, that the ordinary tire inflation unit equipped with ¼, ½, ¾ or 1 h.p. motor, cannot furnish enough air for paint spraying.

U. S. manufactures the only one-gun totally enclosed, self-oiling, high-pressure car washing unit on the market, made for the smaller operator to solve his car washing problem at a moderate cost for equipment.

THE UNITED STATES AIR COMPRESSOR COMPANY

General Office and Factory: 5302 Harvard Ave., Cleveland, O.

Cable address: Airpressor, all codes.

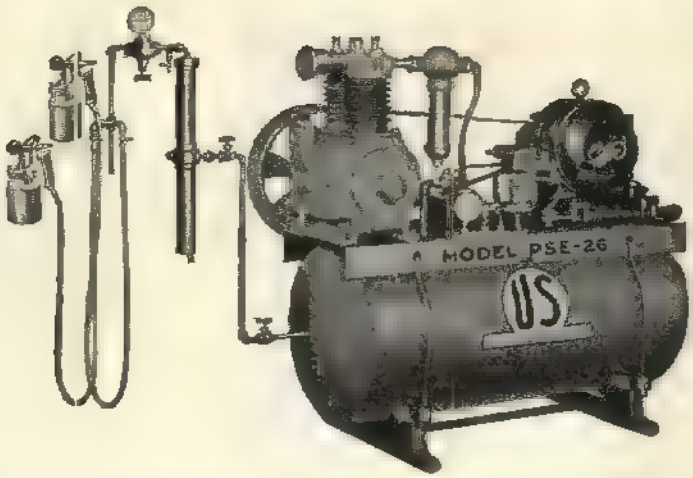
Eastern and Export Office:
Fisk Bldg., New York, N. Y.

Western Office:
927 Santa Fe Ave., Los Angeles, Calif.

US

The United States Air Compressor Company

U. S. ANNOUNCES



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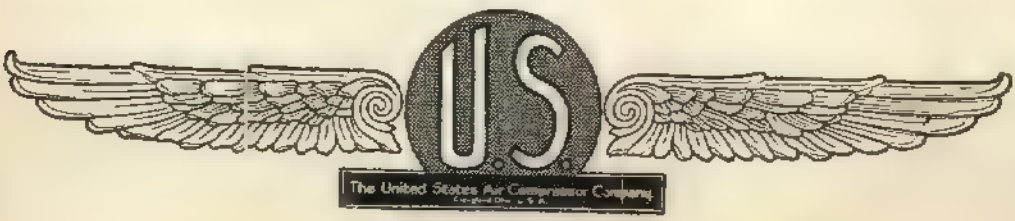
Write today for literature describing this new equipment.

THE UNITED STATES AIR COMPRESSOR COMPANY

5302 Harvard Ave., Cleveland, Ohio, U. S. A.

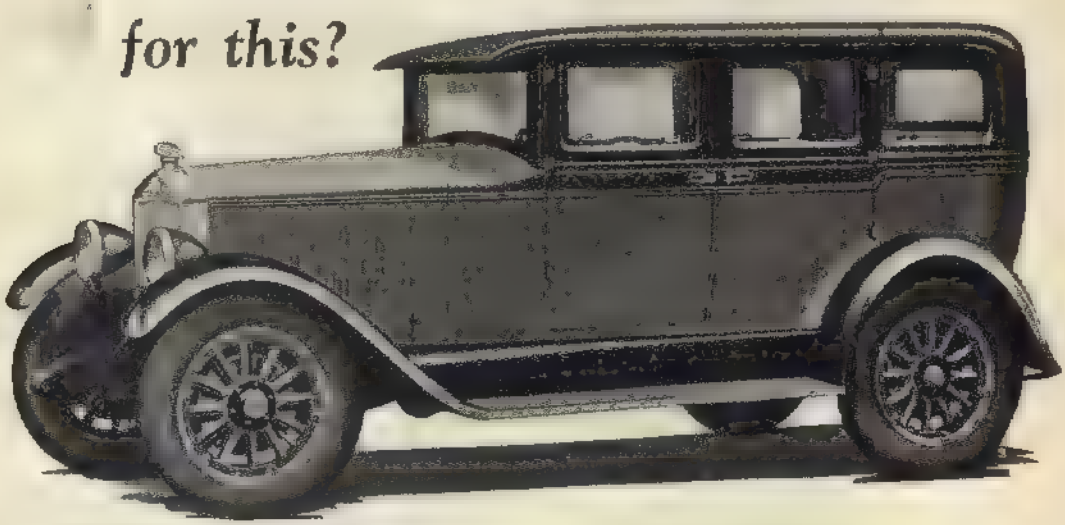
Cable address: Airpressor—all codes



/ LONG VELIE LIFE

Do You Know Any REAL Competition

for this?



PROFITS!

The Velie Line with this Sedan at $1045 offers by far the greatest value in its price class. It is making *real incomes* for those who have the Velie franchise!

It is an actual fact that no other car in its class is at all comparable—in beauty, performance or economy. You, yourself, would estimate the price of this particular car at least $300 more!

This Sedan, at this price, rounding out the Velie line completely, makes the Velie proposition one of the best in the industry—with unmatched possibilities.

Velie builds two lines—Standard Six Sedans and Coupes, 112-inch wheelbase, $1045 up—Special Six Sedans and Coupes, 118-inch wheelbase, $1450 up.

FEATURES

Found in No Other 6 Cylinder 4 Door Standard Sedan, 56 Inch Tread at Its Price

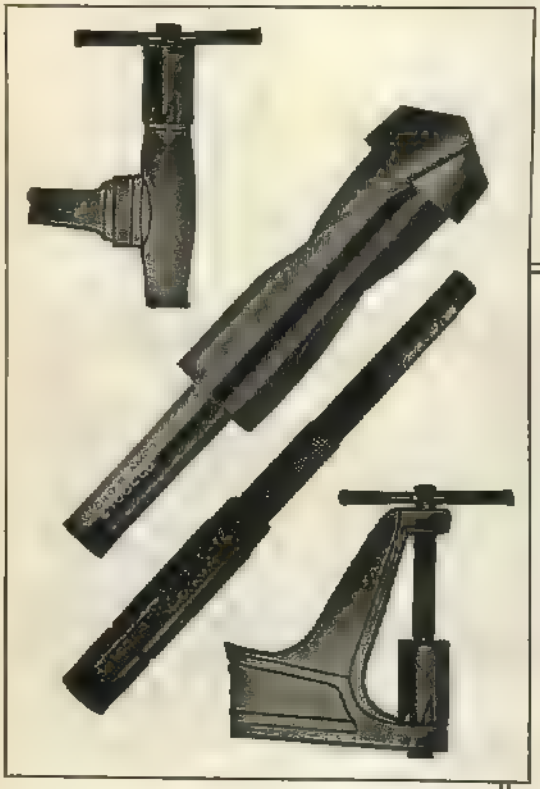
1. Only valve-in-head motor in any car priced under $1050.
2. Only motor with forced pressure lubrication to the valve mechanism.
3. Only motor with four ring pistons.
4. Only motor which carries off and utilizes crank case fumes.
5. Only motor with vibration dampener.
6. Only radiator capacity of 4¾ gallons.
7. Only four-wheel hydraulic brakes.
8. Only car with heat indicator on the dash.
9. Only car with 182¾ inches of spring equipment.
10. Lowest cost—price and weight considered.

If the Velie franchise is open in your community—investigate

VELIE MOTORS CORPORATION

MOLINE, ILLINOIS

In 1927—Use Small Tools Made Especially for Repairmen!



Speed is the secret of making flat rates profitable

Wall chart for quick identification and easy ordering

One of 5 display boards in A-P jobbers' salesrooms. Make personal ordering easier

80 page catalog lists complete line.

The Alvord-Polk line of small tools is made especially for repair work—not for manufacturing. The line is complete—you never have to shop all over the county to get what you want.

To make ordering easy and to help your repairmen find the reamer they need, we have developed the Alvord-Polk plan of giving each reamer a separate serial number and furnishing you with a wall chart listing each repair job by car, model and year along with the number of the right reamer for the job. Saves guesswork about fractional sizes, speeds up work to point where flat-rates are profitable.

Plan on saving money in 1927 by using the Alvord System! Write us for free wall chart and name of nearest jobber. THE ALVORD-POLK TOOL CO., MILLERSBURG, Pa.

ALVORD - POLK

Tools for Repair Shops

VELIE

The Name Insures

The Quality

"The Quality of the car he sells should be every dealer's first consideration. This truth is more significant today than ever before, because now *repeat sales* must form a great per cent of every dealer's business. Do you sell the kind of car that *keeps* a man sold by its in-built Quality? The Velie is backed by 19 years of *Quality Production*, 19 years of experience resulting in Velie's specially engineered Airplane Type Motor with a wide margin of over-strength in every part."

Oilless—Noiseless Rubber Shackles
Standard on All Models

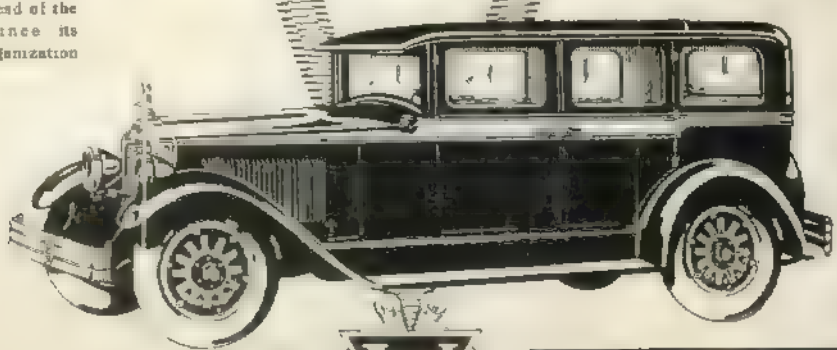
VELIE MOTORS CORPORATION
MOLINE, ILLINOIS

DEALERS *and* DISTRIBUTORS

Never before has the Velie Franchise been so valuable. Sales are increasing from 47% to 61% compared with 1926. If your territory happens to be open, investigate.

The Velie Motors Corporation is a personally conducted business, maintaining close relationships with dealers and distributors at all times. Mr. Velie, president and founder of the Corporation, has been executive head of the company since its original organization.

Velie offers a full line of cars on two chassis, price range $1,165 to $1,635



Special Six Sedan

$1,585

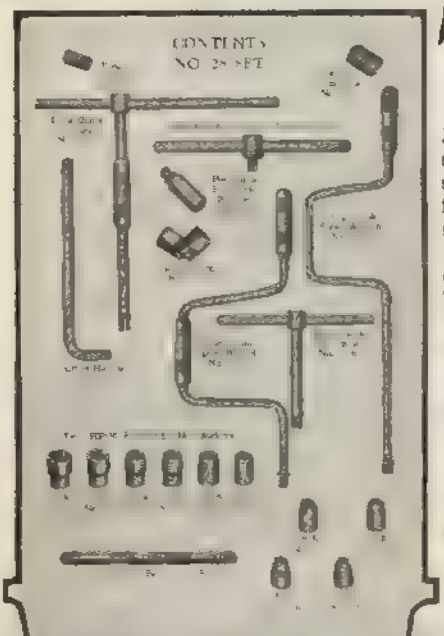
Fully Equipped F. O. B. Moline

LONG VELIE LIFE

Becomes Your Tool Kit

New Box

All-steel with sturdy nickel handle and hasp. Blue-gray pyrolin finish. New size, 6½ x 20½ x 5 inches deep. Compact arrangement of Wrench Set allows ample room for other tools.



WALDEN-WORCESTER WRENCH
SET NO. 28

For all-around service work, the Walden Worcester No. 28 Wrench Set certainly fills the bill. No other wrench set at anywhere near the price can find such utility in the shop. Strong, thin-walled Chrome Nickel Sockets that fit in tight places. A wide range of parts and handles for speed or for nuts that are hard to reach.

And now — a new blue-gray steel box, extra deep. As compact as ever, but there's room for more than wrenches. The sockets, handles and wrench parts neatly arranged in the box, leave plenty of room for those other small tools that are forever mislaid about the shop.

Just the Wrench Set you've wanted and a steel tool box thrown in. Now's your chance to get this practical combination.

Complete No. 28 Set and box. List price, $15.60
Substantial discounts to dealers
Write today for a copy of new "Speed-Up" Shop Handbook 12
Through your jobber — His service is economy

SPEED UP TOOLS

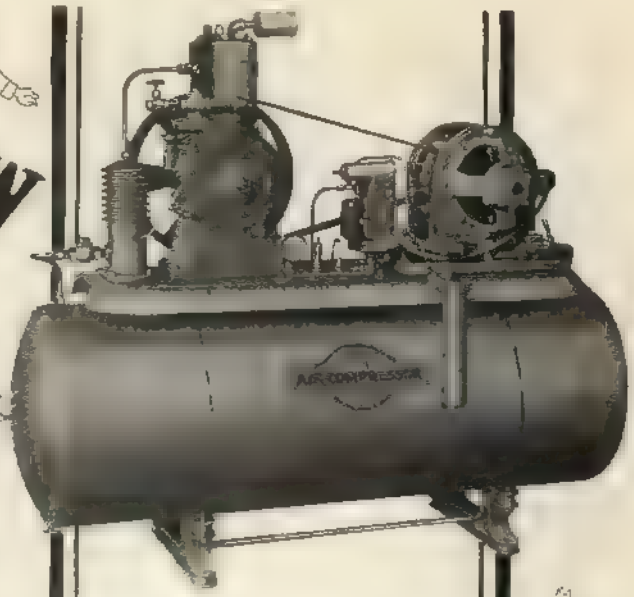
STEVENS WALDEN-WORCESTER, INC.
WORCESTER, MASSACHUSETTS

STEVENS WALDEN-WORCESTER

and NOW heavy duty

ECO

AIR COMPRESSORS

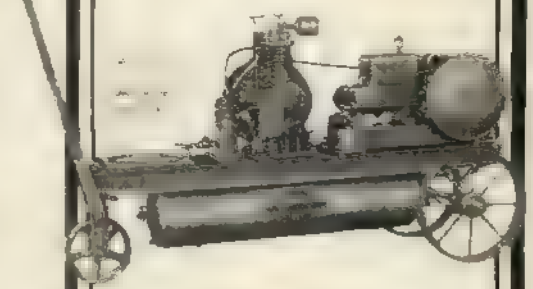


ECO "SF" Compressors are specifically adapted for the various requirements — both air and water cooled with capacities conservatively rated from 10.7 to 13.75 cu. ft. per min.

AIR! Plenty of it—for operating gas pumps, car lifts, paint spray guns, greasing and cleaning equipment, as well as for general shop use and tire inflation.

These ECO Compressors are reliable. Timken Roller main bearings—polished cylinders—stainless steel plate valves—industrial type GE motors—heavy copper brazed tanks—advanced system of cooling—unusual accessibility—they will stand up for years.

Ask for literature describing the complete SF line.



Complete self-contained paint spraying equipments are made in portable form with gas engine drive for industrial use as well as in several stationary models—one, for exclusive automobile paint shop use—another, a combination unit to handle paint spray gun in addition to other general requirements.

And to make "free air" really pay dividends install ECO —"The Automatic Air Station that Rings the Bell"

Service Station Equipment Co.

302 Enterprise St. Bryan, Ohio, U. S. A.

In Canada: Service Station Equipment Co., Ltd., 510 King St., East, Toronto, Ontario

See the New ECO Auto-Lift at Chicago during the A.E.A. Show Week

BRUTE STRENGTH

"Thru your jobber— his Service is Economy."

WALDEN-WORCESTER HEAVY DUTY WRENCH SET NO. 510

HERE'S the wrench set that laughs at the toughest wrench job on earth—unscrewing big nuts that have become "frozen"—and *bringing up* on big nuts *so they can't work loose!* Assurance that this vital detail of overhaul is taken care of properly.

Every part of "No. 510" is built with a generous margin of strength, to withstand the tremendously multiplied man-power back of the long handles. The new Walden-Worcester Heavy Duty Sockets are cross-drilled to receive handle, affording a very close grip on nut. They are made of a special heat-treated steel — tough, hard, massive. Everywhere *strength!*

No. 510 Heavy Duty Interchangeable Socket Wrench Set includes Ratchet Wrench, Extension Bar, Cross-bar Handle, Plug Connector, Offset Adapter and 10 Hexagonal Sockets, 1" to 2". Complete in all-steel box. Net dealer price $16.80.

Write us for Wrench Catalog No. 12

STEVENS WALDEN-WORCESTER, INC.
Worcester, Mass.

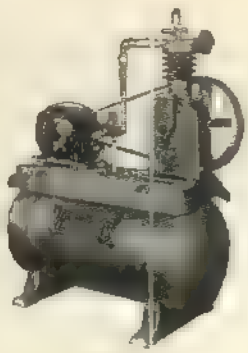
Mfrs. Stevens "Speed Up" Tools and Walden-Worcester Wrenches

SPEED UP TOOLS

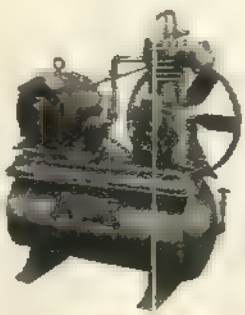
STEVENS-WALDEN-WORCESTER

KELLOGG COMPRESSORS

develop more air per horsepower



EM-261-X



EM-152-X

That's Why They Are Logical for Spray Painting

Kellogg Compressors are designed to eliminate oil pumping. No other compressors have this feature. The patented Kellogg lubrication insures long life and less expense for maintenance—an exclusive feature. Kellogg pressure unloaders are the most efficient on the market.

Despite these highly important features, Kellogg paint spraying Compressors cost no more, and in many cases cost less. Recognizing this, 70% of all spray gun equipment manufacturers standardize on Kellogg Air Compressors.

That is why you should insist on Kelloggs when you equip your paint shop.

Buy a KELLOGG Rapid Engine Cleaner—and Watch the Grease Roll Away

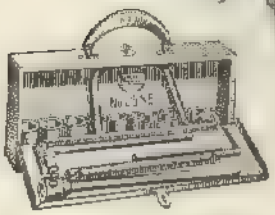
Indispensable for cleaning motors, transmissions, differentials, bearings, lubricating springs, removing chassis squeaks, blowing out clogged lines. Can be used with either kerosene or as air gun. Simple to operate. Highly efficient.

Ask your jobber's salesman, or write us for illustrated literature.

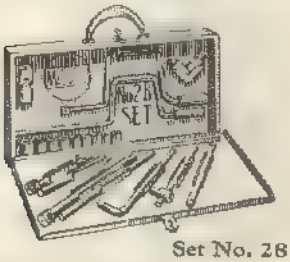
$4.80

KELLOGG MANUFACTURING COMPANY
ROCHESTER, N. Y.

"He's the best man in the shop!"



Set No. 25



Set No. 28

Set No. 26

Own your own WALDEN-WORCESTER WRENCHES

"The Name that Stands for STANDARD"

THE first thing "The Boss" found out about the new man was that *he owned his own tools!* After that The Boss soon learned that he was "the best man in the shop."

Men who own their own tools are invariable top-notchers. You couldn't get a master carpenter or a jeweler to use tools that are everybody's property. You are bound to do better work when the right tool is always at hand—in A 1 condition. And *that* puts you right in line for promotion.

Start today with a handy kit of Walden-Worcester Interchangeable Socket Wrenches. Every combination needed for speedy action on an almost universal range of uses. Sockets of CHROME NICKEL Steel for long wear. An investment you'll never regret!

SET NO. 25—15 parts; 12 Hex Sockets, 7/16" to 1 1/4"; Offset Handle and Comb. Tee Handle and Extension Bar. All Handles for extra heavy duty. Net price $7.20

SET NO. 28—21 parts, including 10 Hex Sockets, 7/16" to 7/8"; Long and Short Shank Speed Wrench; Back-Spin Reversible Ratchet, etc. Net price $9.35

SET NO. 26—25 parts, including 16 Hex Sockets 7/16" to 1 1/4"; Brace Wrench; Universal Joint; Ratchet Wrench, etc. Net price $12.00

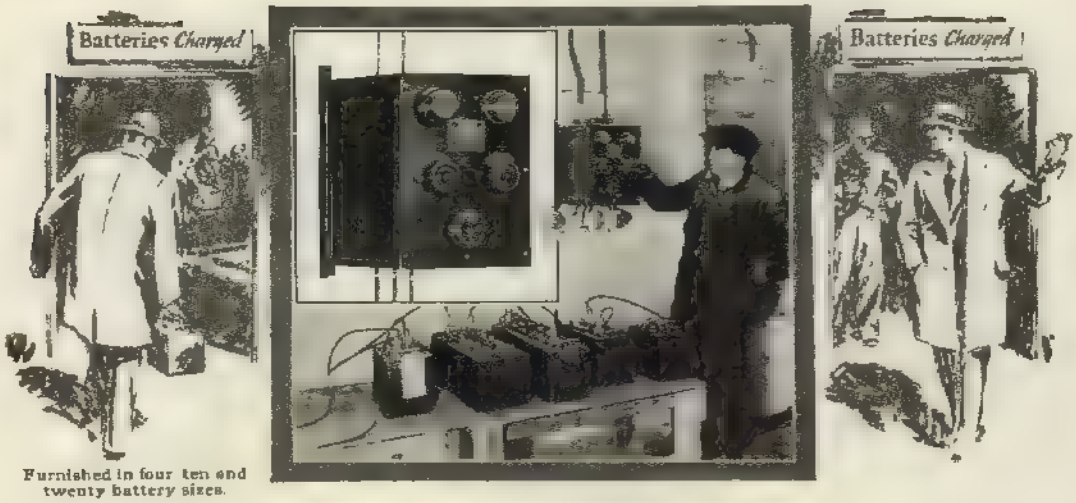
SET NO. 27—Same as No. 26 with addition of 11 Square Sockets, 3/8" to 1 1/4". Net price $15.60

From your jobber. His service is economy. Write us direct for Socket Wrench Catalog No. 13

STEVENS WALDEN-WORCESTER, Inc.
Manufacturers of Walden Worcester Wrenches and Stevens "Speed Up" Tools
Worcester, Mass.

WALDEN WORCESTER WRENCHES — SPEED UP TOOLS

STEVENS-WALDEN-WORCESTER



Furnished in four ten and twenty battery sizes.

In Today—*Out Tomorrow*

A Twenty battery G-E Tungar will charge the average battery in eighteen hours. *In today—out tomorrow. That's SAFE charging.*

Charging with a G-E Tungar is best for the batteries—and best for the service station too. For G-E Tungars are low in first cost, low in operating cost and easy to install. *And they stand up under twenty-four-hours-a-day service year after year.* We know that they do because so many satisfied users have written in to tell us so. For economy, convenience and profit get a G-E Tungar.

Write for the booklet that shows the profit possibilities of Tungar.

Merchandise Department
General Electric Company
Bridgeport, Connecticut

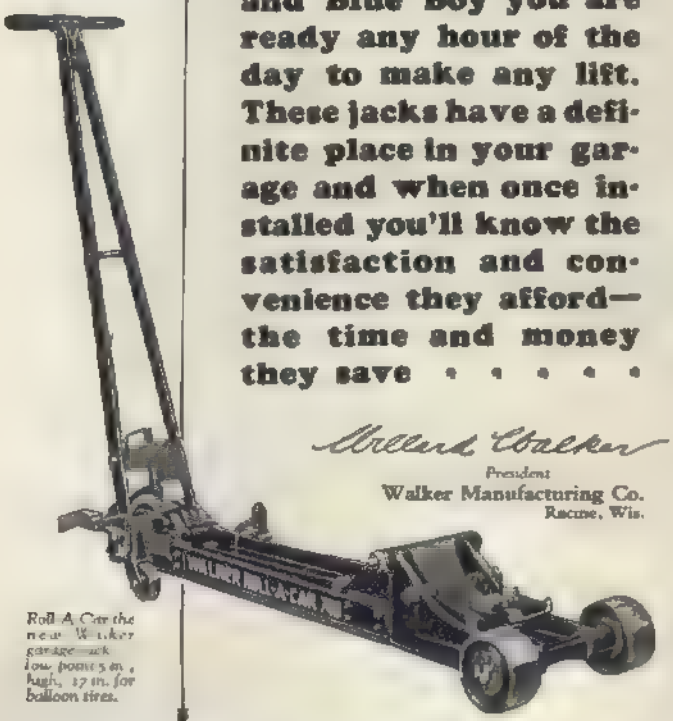
HEAVY DUTY
Tungar
REG. U.S. PAT. OFF.
BATTERY CHARGER

Tungar—a registered trademark—is found only on the genuine. Look for it on the name plate.

GENERAL ELECTRIC

Figure it out for yourself—how many service jobs can you do without first using a jack? And how up to date is the jack equipment you now have? Are you slowing up every job that comes in your place by using antiquated jacks? With a Walker Roll-A-Car, Lift-A-Car and Blue Boy you are ready any hour of the day to make any lift. These jacks have a definite place in your garage and when once installed you'll know the satisfaction and convenience they afford—the time and money they save . . . . .

Willard Walker
President
Walker Manufacturing Co.
Racine, Wis.



Roll-A-Car the new Walker garage jack. Low, powerful, 4 in. high, 17 in. for balloon tires.

Specifications

No. 7 A Walker Lift-A-Car, height collapsed 7½ inches, extended 19 inches, extended height 19 in., capacity 1½ tons, weight 50 lbs.

Specifications

Walker No. 125 — Blue Boy Jack, height 10½ inches, rises 7 inches, capacity 3 tons, adjustable footlift, 24 inch steel handle with wood grip, weight 19 pounds.

Walker Jacks

"Dependable in Service"

"Hello, London"----
"Hello, Studebaker"
"Send us 1,000 Erskine Sixes"

THAT'S the way the largest export order for motor cars came by telephone—from L. G. Ollier, managing director of Studebaker, Ltd., England, to Paul G. Hoffman, Vice-President of The Studebaker Corporation of America.

This order, over trans-Atlantic radio telephone, represents only the April quota of Erskine Sixes for Great Britain. Amounting to over a million dollars, it tells definitely what the British Isles think of "the Little Aristocrat of Motordom."

But the tremendous hit of this advanced car abroad is only a foretaste of what it has already accomplished in the winning of favor at home. Everyone's talking Erskine—everyone is amazed at its evolutionary performance, its luxury and beauty and comfort.

Hit of hits and sensation of sensations—combined with the great Studebaker Custom line, the Erskine Six brings to Studebaker dealers a 100% added measure of prosperity.

Don't wait—find out now if the Studebaker franchise is available in your territory. Address Dept. 53, The Studebaker Corporation of America, South Bend, Ind.

STUDEBAKER

SEVENTY-FIVE YEARS YOUNG

New WEAVER Curb Jack

Easy and quick to operate

One pull of the rear trigger as shown above causes the ratchet sector to pivot, raising the saddle against the load, which you lift on the first stroke of the handle. To lower the load, merely pull the front lever and keep on pumping. When the saddle is free, it automatically drops to its lowest position.

for quick service . . .

Here's a new jack—handy, light, quickly operated—just the jack you need for quick curb service, where you've little room and less time. An ideal jack to carry in your service car for roadside repairs—light enough to lift in and out easily, and ruggedly built for hard work.

Highlights that will interest you

Extremely quick and easy to operate—raising and lowering controlled from handle

Saddle immediately run up to load by pulling rear trigger, and load raised on first stroke of handle

Load lowered by pulling front trigger and continuing pumping of handle. When relieved of weight of load, saddle drops to lowest position.

Minimum height, 4½ inches amply low to get under the axle with a flat balloon tire

Maximum height, 17 inches amply high to raise the highest axle

Long, curved handle makes it easy to operate jack in spite of overhanging bumpers, spare tires, etc

Requires little space for operation specially valuable for curb service

Rear rests prevent slipping when raising or lowering car

No extension or other loose parts

Strong, yet light construction recommended capacity, 2500 pounds.

A worthy member of the WEAVER JACK *family, which includes*

LO-WAY JACK
HI-LIFT JACK
TRUCK JACK
AUTO TWIN JACK

. . . a Jack for every need

WEAVER MANUFACTURING CO., Springfield, Illinois, U. S. A.
Weaver Canadian Company, Ltd., Chatham, Ontario, Canada

More information on the NEW CURB JACK . . .
. . . use this coupon today

WEAVER MANUFACTURING CO.
Springfield, Illinois

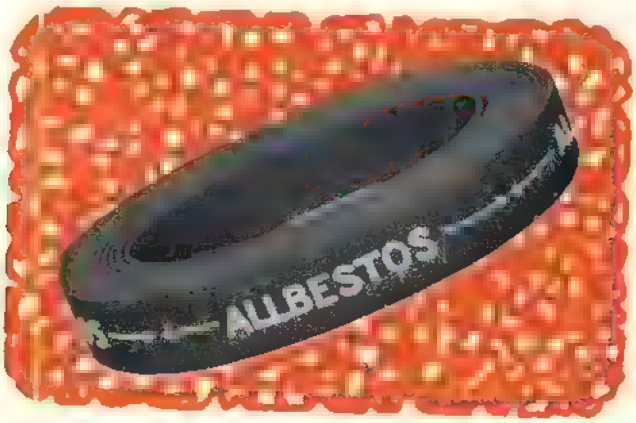
Sure! Send along the dope on the new Weaver Curb Jack

Name .....

Address .....

City ..... State .....

ADV. TILLARD-SO N, INC., N. Y.



What Sells Brake Lining?

It's the growing and Insistent demand for Safe Driving Allbestos Quality and Performance Insuring Repeat Business

Brake Relining—replacing the indifferent stock equipment—is demanded by motorists who respect their lives and the lives of pedestrians—who want their brakes to respond instantly to the slightest pressure for emergency use, in congested traffic and regardless of weather conditions.

There is a "whale of a lot of money" to be made in selling ALLBESTOS on account of its quality, performance and reputation, and there are any number of reasons why you should push this profitable item:

1) Brakes relined with ALLBESTOS insure [illegible] will result in other work.

2) Gives the driver confidence on account of his ability to stop quickly and surely in an emergency.
3) Decreasing accidents and insuring safety to pedestrians.
4) Brake action is smooth and even regardless of pressure applied.
5) Holds in any weather.
6) Does not grab and lock the wheels.
7) Will not burn out when applied on long hill, on account of its quality and asbestos content.
8) Not too heavily compressed, therefore it cannot swell and freeze to the brake drum.
9) Does not glaze, therefore retains its efficient [illegible].
10) Multiple woven lasting [illegible].
11) Retains its adjustment, requiring the minimum to take up while in use.
12) Admittedly the best value and the "safest" brake Lining manufactured.
13) Three grades, "Regular," for light cars and trucks; "Special," for medium and heavy weight cars. Triple Special for trucks, buses and taxis.
(14) Popularly and profitably priced.
(15) Free Service Sign 8 x 3 ft., and Sales Helps.

Manufactured from the Crude Material by

Allbestos
BRAKE LINING
ALLBESTOS CORPORATION
Philadelphia **Pa.**

Improved Allbestos Ford Blue Transmission Lining for 1927 type Fords, packed in blue, gold and white counter display carton.

For UNDERBODY SERVICE or REPAIRS

— It Lifts a Car by the Axles

WEAVER

Safety Power

AUTO LIFT

For raising cars—quickly, easily, safely—to the most convenient height for underbody service and repairs, lubricating and washing, the new Weaver Safety Power Auto Lift is a big improvement on anything yet offered.

It is a wonderful time saver and business builder—it will make friends for its users, and money. Its efficiency—and its owners—will be talked about and advertised by motorists in every community where it makes its appearance.

Some high lights that will interest you—

No installation expense.

Space under car unobstructed for mechanics.

Impossible to lower car accidentally or drop car.

Easy to drive car over rack in position for lifting.

No elevated tracks to worry inexperienced drivers.

Elevates car by axles, leaving wheels free for repairs.

Rated capacity 5,500 lbs.—with ample margin of safety.

Driver does not have to climb down from elevated position.

Speedy—raises car in one minute and lowers in half a minute.

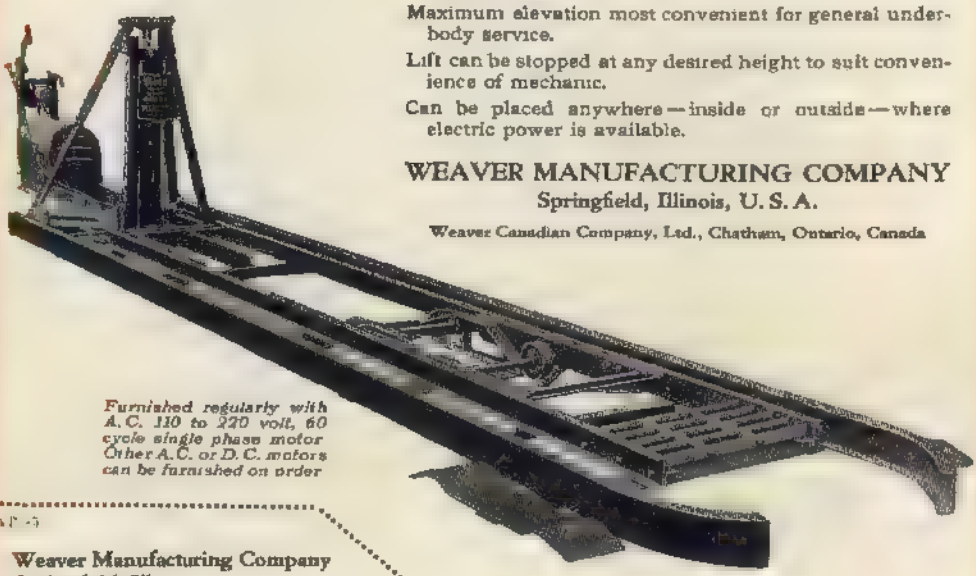
Maximum elevation most convenient for general underbody service.

Lift can be stopped at any desired height to suit convenience of mechanic.

Can be placed anywhere—inside or outside—where electric power is available.

WEAVER MANUFACTURING COMPANY
Springfield, Illinois, U. S. A.

Weaver Canadian Company, Ltd., Chatham, Ontario, Canada



Furnished regularly with A. C. 110 to 220 volt, 60 cycle single phase motor Other A. C. or D. C. motors can be furnished on order

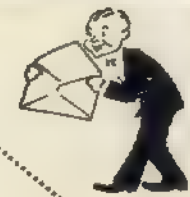
Weaver Manufacturing Company
Springfield, Ill.

Send literature showing all details about the new Weaver Safety Power Auto Lift.

*Name*_____

*Address*_____

*City*_____ *State*_____



Further Details? Send Us Coupon at left!

ADV. PICARD-SOHN, INC. N. Y.

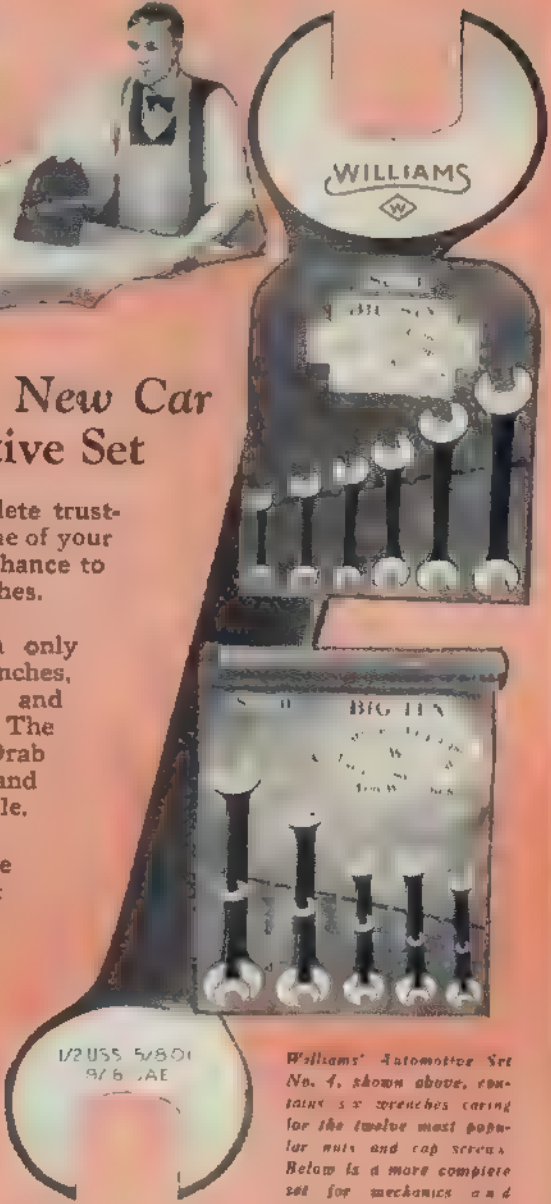
Pay his salary from gas and oil sales

No use taking salaries out of regular profits, every Saturday. A Bowser gas pump on the curb, and three or four Oil-Sellers inside the door, will carry the load for you.

Any Bowser man can tell you how. First, put in a big Bowser tank—then you can "buy low and sell high," like David Harum always did. Install a Square Visible, the best-looking visible built, we're told—sure does attract trade! Put your Oil-Sellers nearby—and you're off!

For details, write to Dept. 52, at the home office—*now's the time to be getting ready for summer travelers!*

S. F. BOWSER & COMPANY, Inc.
Pump and Tank Headquarters
FORT WAYNE, INDIANA.



Sell the Man With a New Car a Williams' Automotive Set

Few cars come equipped with complete trustworthy sets of wrenches. And when one of your customers buys a new car, it's your chance to sell him a SET of Williams' Wrenches.

Williams' Automotive Sets contain only Williams' Superior Drop-Forged Wrenches, made from the finest carbon steel, and finished in black enamel—*baked on*. The handy roll cases are of heavy Olive Drab Twill, bound along the edges and equipped with a web strap and buckle.

Every set is carefully selected to give maximum usefulness with the fewest possible wrenches. They're trouble insurance for the car owner—and they build big profits for you.

WILLIAMS
SUPERIOR DROP-FORGED TOOLS

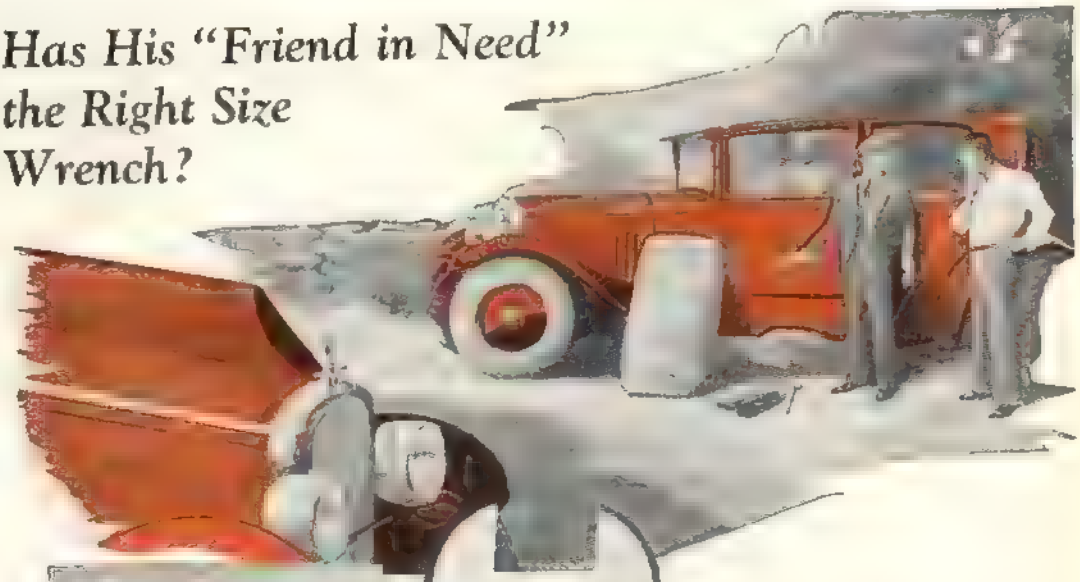
Williams' Automotive Set No. 4, shown above, contains six wrenches caring for the twelve most popular nuts and cap screws. Below is a more complete set for mechanics and service men. Williams' Automotive Set No. 10 covering nuts and cap screws from 4" to 1". No duplicate openings in either set.

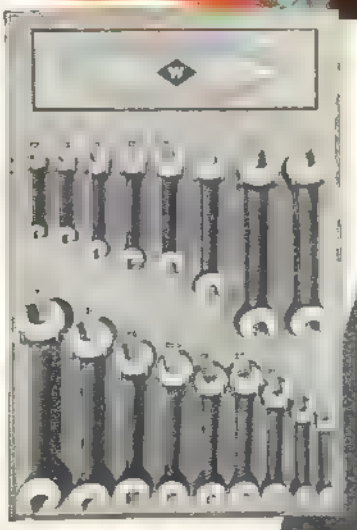
J. H. WILLIAMS & CO.

"The Wrench People"

New York BUFFALO Chicago

Has His "Friend in Need" the Right Size Wrench?





Williams' Auto Wrench Kits in handy roll cases of Olive Drab Twill, are a necessity for every motorist. Like Set No. 25 shown below, all are selected to give maximum helpfulness with the fewest possible wrenches.

Speed up your turnover with Williams' display boards. They are included free to dealers purchasing the wrenches they display. Write for literature describing Model D, above, and other attractive Williams' assortments.

TELL your customer, it's safer to have his own Williams' Carbon Steel Wrenches. It doesn't pay to wait until trouble overtakes him on the road and trust to a "Friend in Need." Because, no matter how obliging the other fellow is, he may not have the right size wrench, anyway.

Outfit him completely with Williams' Superior Drop-Forged Wrenches or, better still, sell him a Williams' Auto Kit. Williams' Wrenches will be his best friends when the emergency comes. And they net you a handsome profit right now.

J. H. Williams & Co.
"The Wrench People"
New York BUFFALO Chicago

WILLIAMS
MAKERS OF DROP-FORGED TOOLS

"Superrench" Boards are included free to dealers purchasing the wrenches they display. Six sets of wrenches are displayed on Dealer's board which is yours on request.

"SUPERRENCH" BOARDS Make Wall Space PAY

PUT up your "Superrench" Display where every customer will see it. Wall space is worth just what you hang on it. And "Superrench" Boards make your wall space pay—in big "Superrench" profits.

Slender, handy looking "Superrenches" are sight sellers. Their trim lines and handsome nickel-finish display strikingly against the Royal Blue Boards. They catch the customer's attention. And when he sees that Chrome-Molybdenum "Superrenches" are guaranteed unbreakable—*he buys.*

Your Jobber's Salesman Will Gladly Get You a Sales Boosting Board. ASK HIM!

WILLIAMS

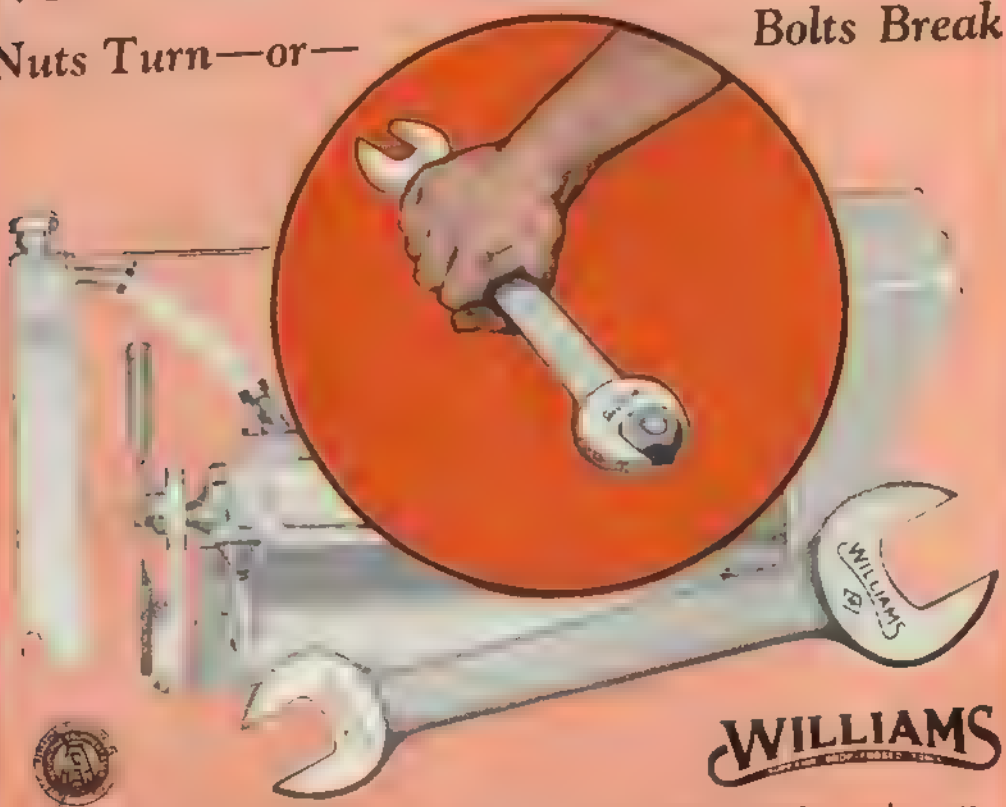
J. H. WILLIAMS & CO.

"The Wrench People"

New York BUFFALO Chicago

WHEN THE "SUPERRENCH" TAKES HOLD

Nuts Turn—or— *Bolts Break*



WILLIAMS

BOLTS can't say "No" to The "Superrench". When The "Superrench" grips them with its break-proof Chrome-Molybdenum jaws, they must turn, strip the threads, or break; there's no alternative.

"Superrenches" are lighter than carbon steel wrenches with corresponding openings. And their thinner heads and narrower, pointed jaws, make them far handier for any type of work.

But light and slender as they are, "Superrenches" are the toughest ever built. Each "Superrench" is guaranteed to strip the threads of any standard nut or break the bolt.

Furnished heat-treated and nickel-finished, with heads buffed bright.

Whether you buy for use or resale, you'll find Chrome-Molybdenum "Superrenches" as unbeatable as they're unbreakable. *Literature?*

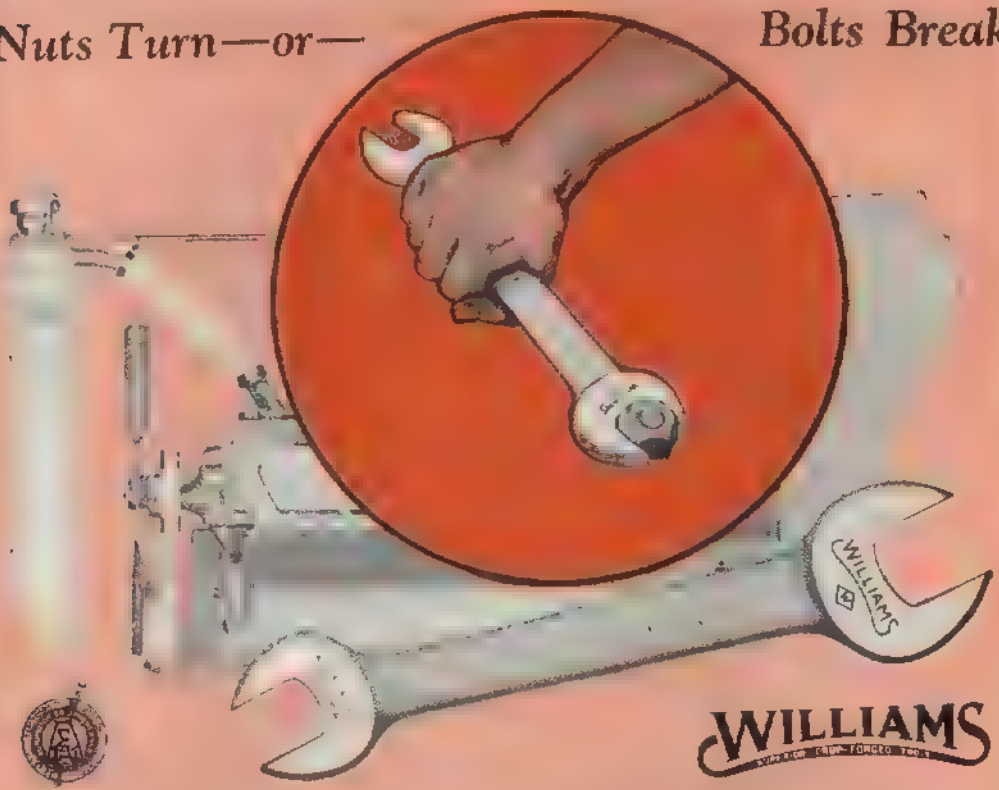
J. H. WILLIAMS & CO.

"The Wrench People"

New York BUFFALO Chicago

WHEN THE "SUPERRENCH" TAKES HOLD

Nuts Turn—or— *Bolts Break*



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J. H. WILLIAMS & CO.

"The Wrench People"

New York BUFFALO Chicago

"I'm Off of These Weak Sisters—Gimme a SUPERRENCH"

The man who finds that ordinary tappet wrenches break, is your best prospect for the Tappet "Superrench." He wants a tool that will stand the gaff—as only break-proof "Superrenches" can. Sell 'em to him, and he'll be sold on you for life.

Tappet Model "Superrenches," forged from super-tough Chrome-Molybdenum steel, are lighter, thinner and many times stronger than wrenches of carbon steel. Their length is ample to prevent burning the hands on hot engine parts. And their heads, set at a 15° angle and equipped with narrow, pointed jaws, make cramped quarters seem roomy.

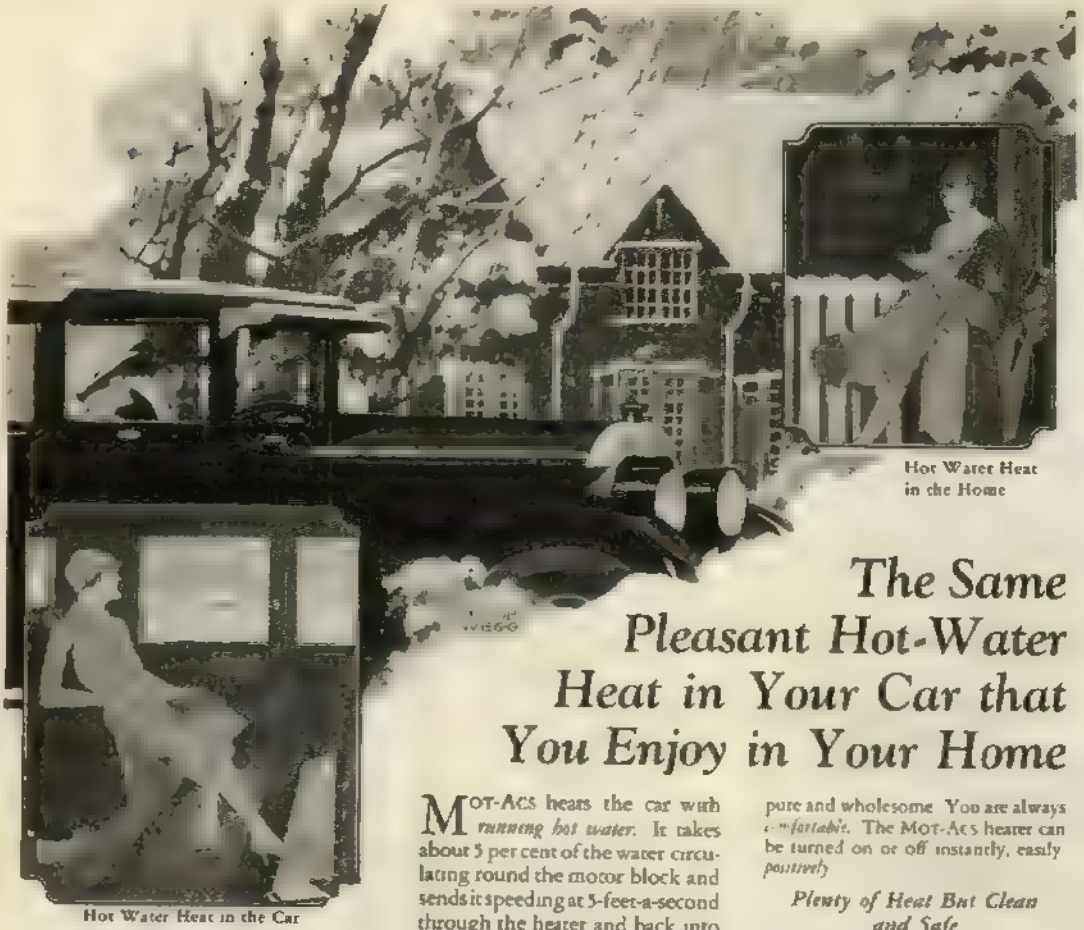
Tappet "Superrenches" are invaluable, not only on tappet work, but wherever an ultra thin wrench is needed. And remember they're absolutely guaranteed against breakage.

Against the royal-blue background of Williams' Display Board No. 1096, shown above, the handsome nickel-finished "Superrenches" stand out in a way that compels attention and wins big turnover for you.

We cordially invite you to visit our exhibit at the National Automobile Shows Shop Equipment Section: New York—Space D56 Chicago—Space 58 and 59

WILLIAMS
SUPERIOR DROP-FORGED TOOLS
"SUPERRENCH"
(Chrome-Molybdenum)
FIVE PATTERNS

J. H. WILLIAMS & CO. *"The Wrench People"* **New York BUFFALO Chicago**



Hot Water Heat in the Home

Hot Water Heat in the Car

The Same Pleasant Hot-Water Heat in Your Car that You Enjoy in Your Home

MOT-ACS heats the car with *running hot water.* It takes about 5 per cent of the water circulating round the motor block and sends it speeding at 5-feet-a-second through the heater and back into circulation. Simple construction Positive, trouble-proof operation

Healthy and Comfortable

Hot-Water heat is the pleasantest healthiest kind of heat. The air is pure and wholesome You are always *comfortable.* The MOT-ACS heater can be turned on or off instantly, easily *positively*

Plenty of Heat But Clean and Safe

MOT-ACS gives an abundance of heat, *even at low speeds* (a unique feature!). But the heater is *never burning hot* There is no fire hazard and no possibility of gas, odors, stuffy or poisonous air

Only 75 minutes to install. No removing floor boards, rebinding rugs or cutting exhaust pipe. *Trouble-Free Operation.* No moving parts, no sticking valve, *nothing* to get out of order

Address Inquiries to Dept. J.

MOT-ACS, Inc., 42 Broadway, New York City

(CANADA 657 Dorchester St West Montreal)

PROVED IN ACTUAL SERVICE on nearly ALL makes of cars. Here are a few

LINCOLN Distributor and Dealer

"The cleanest, most efficient heating apparatus ever invented for an automobile Proof against all the common objections to a car heater, and at the same time will make the car comfortable in the coldest weather

BUICK Owner

A test of Mot-Acs Hot Water Heater on my Buick Sedan showed following results:

Time	*Temperature* At Start	*Inside* 41°	*Outside* 41°
After 3 minutes		58°	38°
After 6 minutes		62°	36°
After 9 minutes		67°	34°

STUDEBAKER Distributor and Dealer

We made the following thorough test and are now convinced Mot-Acs will keep a Studebaker Car comfortable on a cold day.

At Start	42°	39°
After 3 minutes	56°	38°
After 9 minutes	68°	38°

DODGE BROTHERS Dealer

The installation is very simple. Test showed following results:

At Start	45°	43°
After 3 minutes	60°	41°
After 6 minutes	65°	41°
After 9 minutes	67°	41°

MOT-ACS

The Only

HOT WATER HEATER *for* AUTOMOBILES

A Handy Wrench In a Tight Place

ON the carburetor, manifold, and shackle nuts, and in a dozen other tight places, Williams' new Obstruction "Superrench" is a mighty handy tool to have. Where you're short on clearance it's long on service. The slim, pointed jaws, and the 75° angle head work easily around obstructions where an ordinary wrench would be useless. With both heads on the same side of the handle, it always offers an easy purchase, and a smooth, comfortable grip.

Like all "Superrenches," the Obstruction pattern is forged from Chrome-Molybdenum steel — the toughest metal in modern use. *Every "Superrench" is guaranteed against breakage.* A necessity for the efficient shop—and a swift seller among service men everywhere. Furnished in a great variety of sizes for all popular U. S. and S. A. E. Standard Nuts and cap screws. Singly, in Sets, or on attractive Display Boards.

Ask Your Jobber's Salesman

WILLIAMS

J. H. WILLIAMS & CO.

"The Wrench People"

New York BUFFALO Chicago

THE PIE
is 97·37% yours under the Willys-Overland Franchise

The Willys-Overland dealer franchise has 4 definite, money-making sales advantages that make it the dominant and most desirable franchise in the industry. Advantages that place the "Pie" in front of you and enable you to take most of it for yourself.

Engineering Leadership

For years Willys-Overland engineers have been working to perfect a line of cars far in advance of other cars—a line of cars, thoroughly modern. With the perfection of the Whippet, Willys-Overland now has a completely modern car in every price class.

Each car is engineered according to the latest engineering principles. They are not "old-fashioned" chassis with new bodies. They are modernly engineered in every detail—in engine, chassis and body design.

The battle this year in the automotive industry will be—not over style or even price—but over modern engineering—with Willys-Overland leading the parade.

97.3% Market Coverage

With the Whippet covering 44% of the field—the Whippet Six covering 19% of the field—the "70" Willys-Knight Six covering 23% of the field and the Willys-Knight Great Six covering 11%, you have a line of cars that appeals to 97.3% of the pocketbooks in your community.

The ordinary dealer with one or two cars to sell and covering 15 to 30% of the market cannot possibly have the same opportunity to make big profits as the Willys-Overland dealer. He can only appeal to 30 buyers out of every 100 where the Willys-Overland dealer appeals to 97.

92% Profit Coverage

Out of every $100 spent for motor cars in your community $92 of it is spent on cars such as Willys-Overland offers.

No wonder Willys-Overland dealers are making money. Every day from all over the country letters come in from enthusiastic dealers — some new and some pioneers—who are making more money than they ever did before.

The reason is very clear—they *should* make more money—they have a better opportunity to do so!

Add the Knight Engine

To the outstanding advantages of the Whippet and Whippet Six—to the engineering leadership of the whole line—to the complete coverage both in volume of cars and volume of profits—add to all that the unusual sales advantage of the Knight engine. The engine that *improves* with use. No carbon-removing—no valve-grinding—no noisy tappets or valve springs—less upkeep. The result is dealer profit.

If you are just entering the automotive industry as a dealer; or if you are a dissatisfied dealer; or if you are satisfied but desirous of increasing your profits, Willys-Overland can help you. The Willys-Overland Franchise presents every opportunity for dealers to make maximum profits. Willys-Overland, Inc., Toledo, Ohio. Willys-Overland Sales Co., Ltd., Toronto, Canada.

Willys-Overland
Fine Motor Cars

New!

Dependable

"B" and "C" Socket Power

Ample Voltage—Self-Adjusting—Quiet

Now you can offer your customers a reliable socket power that will bring *you* profit and *them* satisfaction. Its ample power reserve brings out the best tones in your set. Designed and built by a company that has been making superior radio apparatus for over seventeen years.

Durable and Fool-proof—Grebe-built for long, satisfactory service. "C" voltages automatically adjusted for changes in "B" voltages. Sealed against tampering.

Quiet—No "motor-boating," hum, or noises from variable voltage contact adjustments. Shielded against outside impulses.

Type 671
for 5 and 6 tube receivers; 110 volts 60 cycles A. C.

Send for Booklet AJE giving full details of this new Grebe product

A. H. Grebe & Co., Inc., 109 West 57th St., New York City
Factory: Richmond Hill, N. Y.
Western Branch: 443 So. San Pedro St., Los Angeles, Cal.
The Oldest Exclusive Radio Manufacturer

The GREBE *Socket Power*

"Built for service ~ not to a price"

The WILLYS-OVERLAND FRANCHISE

Gives 97% Market Coverage

It Enables You to Compete Successfully in Every Price Class

The Willys-Overland franchise gives you a car for every buyer regardless of what he wants to pay.

Moreover, it assures you of exclusive selling features in every price class.

The Whippet and Whippet Six —priced from $625 to $925— are the lowest-priced cars in their classes offering 4-wheel brakes nationally. Other light cars can but follow their lead.

The two brilliant Willys-Knight Sixes, the "70" and Great Six, from $1295 to $2950, have the patented Knight sleeve-valve engine—which improves with use.

Every year sees an impressive growth in the popularity and sales of these splendid cars.

Thus you handle a line of cars that gives you 97% Market Coverage. You have greater protection against market changes and increased profit opportunities.

Willys-Overland backs up dealers with liberal discounts, sound co-operation in merchandising used cars, and a specific Sales Plan for the dealer's particular community.

Send for complete details: Sales Department, Willys-Overland, Inc., Toledo, Ohio. Willys-Overland Sales Co., Ltd., Toronto, Canada.

WILLYS-OVERLAND

Fine Motor Cars

WHAT Willys-Overland dealers can sell

to prospects in any price class

Overland Whippet *and* Whippet Six

Modern engine—Modern chassis.
Gas and oil economy.
Four-wheel brakes.
Ease of handling.
Narrow pillars—clear vision.
Exceptional power.
Wide range of flexibility.
Low center of gravity.
Snubbers on front springs.
Adjustable steering wheel.
Worm and gear steering.
Light weight single-plate clutch.
Force-feed lubrication.
Oil-tight Universal joints.
Generous proportions of vital parts.
Interchangeable Chadwick type bearings.
Anti-friction thrust bearings on kingpins
Alloy valves—valve lifters removable from the side.
Integral fan and water pump shaft.

"70" Willys-Knight 6 Willys-Knight Great 6

Engine improves with use.
118 to 158 fewer engine parts.
No valves to grind.
No valve springs.
No tappets to become noisy.
Carbon does not reduce power.
No upkeep cost for removal of carbon.
Silent chain drive.
Oil rectifier for engine timing.
Air cleaner.
Thermostat temperature control.
Effective four wheel brakes.
Separate emergency brake system.
Belflex shackles reduce noise, improve riding qualities and silence chassis.
No spring shackles to clatter—to be greased—to be rebushed.
Shock absorbers.
Timken bearings in wheels and steering pivots.
Head light control and horn at finger tips.
Narrow pillars—clear vision.
Gasoline gauge on dash.
Adjustable front seats.
Gasoline strainer.

ENGINEERING LEADERSHIP IN EVERY PRICE CLASS

WILLYS-OVERLAND

Fine Motor Cars

Wrench Stock $30
Cabinet FREE

When you see a Hex. think of Blackhawk

This *new* Blackhawk Cabinet puts you in the profitable socket wrench business for $30. Its assortment of 88 tools lists at $50. You net $20. The Cabinet is FREE with first order—all steel in handsome colors. From the very complete assortment of Blackhawk Handles and Sockets you can quickly make up sets for mechanics or any car.

List of socket sizes is on one door of cabinet, and a quick reference chart on the other. "Wrench Set Manual," also furnished free, shows correct sizes for each car.

Ask your jobber's salesman to show you this new No. 2 assortment and cabinet that sells wrenches *in sets* that run into real profits.

BLACKHAWK MFG. CO., Dept. G, Milwaukee, Wisconsin

Write for your copy of the Blackhawk catalog

BLACKHAWK

The wrench for the service and garages—universally used. A flip of the wrist snaps any socket into place. Handles all rim bolt sizes—⅜" 11/16" ½" and ⅝" No springs to give way. Saves time and sweat.

List price $3.95

Blackhawk "4 in 1" Rim Wrench

SWAN FYNE-POYNT PENCILS

K771—Black, Ladies' Chatelaine Pencil
Each 3 60

K775—Black, Men's Thin Model Pencil
Each 3 60

K773—Mottled Jade Green
Chatelaine Pencil
Each, 4 20

K774—Mottled Blue, Ladies'
Chatelaine Pencil
Each 4 20

K777—Mottled Jade Green
Men's Thin Model
Each, 4 20

K778—Mottled Blue
Men's Thin Model
Each, 4 20

K781—Mottled Jade Green,
Men's Oversize Pencils
Each, 4 80

K782—Mottled Blue Men's
Oversize Pencils
Each, 4 80

K772 Mottled Red, Ladies'
Chatelaine Pencil
Each, 3 60

All "Fyne Poynt" Pencils listed on this page are repel propel and expel Pencils. Five beautiful barrels, each one a separate pencil, a large eraser reserve, and a patent clamp and a compartment containing extra leads.

All ornaments, excepting those on Card Assortment K783, K784, K785 and K786 are 14-Karat gold filled. Each pencil packed in an individual box

K776—Mottled Red
Men's Thin Model
Each 3 60

K769—Black, Ladies'
Chatelaine Pencil
Each, 2 40

K770 Black Men's Thin
Model Each, 2 40

K770 Black Men's Oversize
Each, 4 20

Swan "Fyne Poynt" Oversize assorted colors, propel, repel and expel Pencils, hard rubber barrel NICKEL tip, clip and eraser ferrule, extra supply of leads under large eraser One dozen on a card not broken

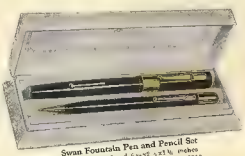
K783—Assorted Black, Red and Mottled Red Per card 14 40

Open Stock Fyne Poynt Pencils
Packed in Individual Boxes

K784—Black Each, 1 20
K785 Red Each, 1 20
K786—Mottled Red Each, 1 20

K780—Mottled Red, Men's
Oversize Each, 4 20

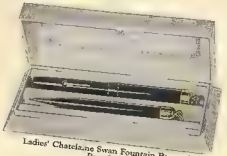
SWAN FOUNTAIN PENS *and* PENCILS



Swan Fountain Pen and Pencil Set

Size of Case closed 6 x2⅞ x1¾ inches

K758—Gold Mounted Smooth Black Pen and Pencil K770 Per set 4 20

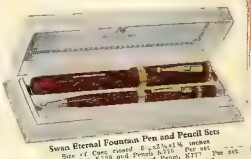


Ladies' Chatelaine Swan Fountain Pen and Pencil Set

Size of Case closed 5 x2⅞ x1⅝ inches

K789 Gold Mounted Smooth Black Fountain Pen K781 and Pencil K169 Per set 6 40

Cases of the Sets shown here are covered with beautiful French gray leatherette and are lined with silk. Fountain Pens in sets have medium points unless otherwise ordered. All Fountain pens have ornaments of 14-Karat gold-filled.



Swan Eternal Fountain Pen and Pencil Sets

Size of Case closed 6 x2⅛ x1¾ inches

K792—Mottled Red Pen K758 and Pencil K757 Per set 7 60

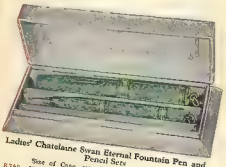
K795—Mottled Green Pen K758 and Pencil K772 Per set 11 40

K784—Mottled Blue Pen K758 and Pencil K781 Per set 12 40

K785—Mottled Red Pen K168 and Pencil K781 14 40

K786—Over-mounted Mottled Jade Green Pen K760 and Pencil K782 Per set 14 40

K797—Over-mounted Mottled blue Pen K798 and Pencil K782 Per set 14 40



Ladies' Chatelaine Swan Eternal Fountain Pen and Pencil Sets

Size of Case closed 5 x2⅝ x1⅛ inches

K780—Mottled Pen K760 and Pencil K772 Per set 9 60

K790—Mottled Green Jade Pen K762 and Pencil K772 Per set 11 40

K791 Mottled Blue Pen K766 and Pencil K772 Per set 11 40

MOTTLED JADE GREEN
K762—Nib 4 6 00
K764 Nib 6 9 60

MOTTLED BLUE
K766 Nib 4 6 00
K768—Nib 6 9 60

SHORT SIZE
K715 —Nib 3 3 60
K718—Nib 3 4 80

Please specify whether fine or medium point pen is desired

BLACK CHASED
K701 Nib 2 3 60
K707 Nib 3 4 80

MOTTLED JADE GREEN
K744—Nib 4 7 20
K746—Nib 6 9 60

MOTTLED RED
K738—Nib 4 6 00
K740 Nib 6 8 40
K742 Nib 8 10 80

MOTTLED BLUE
K790—Nib 4 7 20
K792 Nib 6 9 60

BLACK
K732—Nib 4 6 00
K724—Nib 6 8 40
K726—Nib 8 10 80

BLACK CHASED
K771 Nib 3 4 20
K729 Nib 3 5 40

PLAIN BARREL
K731—Nib 2 4 20

BLACK CHASED
K712—Nib 2 4 80

PLAIN BARREL
K710 Nib 2 4 80

MOTTLED RED WITH RING
K758—Nib 4 6 00
K760 Nib 6 8 40

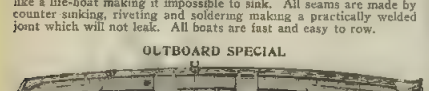
BLACK WITH RING
K754—Nib 4 6 00
K756—Nib 6 8 40

A.C. McCLURG & CO. Chicago, Ill.

ROW BOATS
MULLIN'S STEEL

Made of steel thoroughly tested insuring perfection in construction, equipment and finish. Equipped with air-tight compartments like a life-boat making it impossible to sink. All seams are made by counter sinking, riveting and soldering making a practically welded joint which will not leak. All boats are fast and easy to row.

OUTBOARD SPECIAL



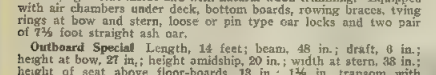
Designed and especially constructed for the application of detachable outboard motor. Runs on even keel and does not bury at stern or ride out of the water at bow. Built so as to neutralize vibration from the motor and is made with an especially constructed transom which cannot be shaken loose by the motor. Finished in aluminum outside, light blue inside and with natural wood trimming. Equipped with air chambers under deck, bottom boards, rowing braces, tying rings at bow and stern, loose or pin type oar locks and two pair of 7½ foot straight ash oar.

Outboard Special Length, 14 feet; beam, 48 in.; draft, 6 in.; height at bow, 27 in.; height amidship, 20 in.; width at stern, 38 in.; height of seat above floor-boards, 13 in.; 1½ in. transom with special corner braces. Seating capacity, 7. Weight crated, 315 lbs

.....Each, **$85.00**

One in a Crate

SIXTEEN-FOOT SULTAN



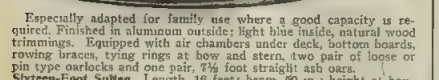
Especially adapted for family use where a good capacity is required. Finished in aluminum outside; light blue inside, natural wood trimmings. Equipped with air chambers under deck, bottom boards, rowing braces, tying rings at bow and stern, two pair of loose or pin type oarlocks and one pair, 7½ foot straight ash oars.

Sixteen-Foot Sultan Length, 16 feet; beam, 50 in.; height at bow, 25 in.; stern, 23½ in.; amidship, 15 in. Weight crated, 275 lbs.

.....Each, **$77.00**

One in a Crate

FOURTEEN-FOOT PRINCE



A very fine family and pleasure resort boat. Rows easily. Finished in aluminum outside; light blue inside, natural wood trimmings. Equipped with air chambers under deck, bottom boards; rowing braces, tying rings at stern and bow; two pair loose or pin type oar locks and one pair, 7½ foot straight ash oars.

Fourteen-Foot Prince Length, 14 feet; beam, 44 inches, height of bow, 22 in.; stern, 21½ in.; amidship, 13½ in. Weight crated, 235 lbs.

.....Each, **$72.00**

One in a Crate

GET THERE DUCK BOAT

A standard boat for sportsmen. Painted dead grass color. Equipment consists of movable bottom board; movable seat; one pair oarlocks; one pair oars and one long or short paddle.

Get There Duck Boat Length, 14 feet; beam, 36 in.; height to top of coaming at ends, 12½ in.; amidship height, 10 in.; length of cockpit, 9 feet. Weight crated, 150 lbs. .....Each, **$60.00**

One in a Crate

NOTE: When Ordering Above Boats Always Specify Whether Loose or Pin Type Oar Locks are Wanted.

ROW BOAT MOTORS
CAILLE 5 SPEED TWIN

Can be readily attached to any type of rowboat by simply tightening two thumbscrews. The motor is quickly adaptable to any angle or pitch of stern, so that the motor always operates in an upright position on any boat

Motor—Two cylinder, two cycle. Cylinders are directly opposed Both fire at same time, eliminating vibration Liberal sized muffler silences the motor

Specifications Bore 3 inches Stroke, 2 inches R P M 200 to 2000 2½ H P actual rating

Cylinders and Pistons—Special fine grained gray iron, accurately ground to size.

Piston Rings—American Ham bored, 3 to each piston

Crankcase—Lynite. Bronze bearings are pressed in.

Crankshaft — Highest grade chrome nickel steel, ¾ inch diameter. Ground finish.

Main Bearings—Phosphor bronze 2½ inches long.

Connecting Rods—Solid phosphor bronze.

Gasoline Tank Heavy pressed aluminum One gallon capacity Strainer in tank, only strained gasoline can enter tank

Main Frame—Heat treated lynite. Opening between clamps, 2 in.

Drive Shaft Housing Brass tubing Amply strong to withstand all thrust strain

Drive Shaft and Propeller Shaft—Stainless steel, ground finish

Gear Housing—Tough lynite. Phosphor bronze bearings are pressed in

Gears—Chrome nickel steel

Propeller—Nickel bronze alloy, almost unbreakable.

Water Pump—All bronze, simple plunger type. Cools motor in warmest temperatures.

Ignition—Eisemann high tension waterproof magneto.

Carburetor—Zenith carburetor with metal float and needle point adjustment

Driving Depth—30 inches from top of boat to center of propeller wheel

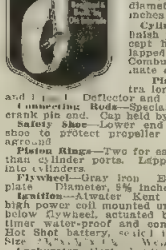
Control -In addition to 6 in 1 propeller the spark and throttle control permit a motor speed from 500 to 1600 R. P. M.

Tilting—Motor is pivoted on main frame, permitting propeller and shaft to pass over obstructions. Propeller can be raised out of water for beaching boat.

Weight -46 lbs. complete.

Model Caille 5 Speed Twin With Dual Ignition System .Each, **$145.00**

ELTO



Can be readily attached to any type of rowboat by simply tightening two thumb screws.

Gasoline Tank—4x tin. Dull nickel finish. Capacity slightly over 1 gallon or enough for about 2 hours running at full speed.

Motor—Two cylinder, two cycle, water-cooled, 2¼ inch bore, 2 inch stroke. Full 4 H. P. 1700 R. P. M. Offset opposed cylinders, permitting straight power thrust.

Crank Shaft—Chrome nickel steel drop forging, case hardened and ground. Long main bearings; lower 3½ inches long by 1⅛ inches diameter. Upper 3½ inches long by ¾ inches diameter Crank pins 1¾ inches long by ¾ inches diameter. All bearings closely ground.

Cylinders—Close-grained gray iron, dull nickel finish polished heads. Combustion chamber except heads water-jacketed. Bore ground and lapped to mirror-like finish—accuracy .0002 inch Combustion chamber entirely machined to eliminate carbon.

Pistons—Fine close-grained gray iron. Extra long, perfectly balanced. Machined, ground and [illegible] Deflector and head entirely machined

Connecting Rods—Special heavy duty phosphor bronze, split at crank pin end. Cap held by heat-treated chrome nickel steel screws

Safety Shoe—Lower end of housing forms a substantial safety shoe to protect propeller when striking obstructions or running aground

Piston Rings—Two for each piston special fine semi-steel. Wider than cylinder ports. Lapped to perfect fit in piston grooves, and into cylinders.

Flywheel—Gray iron. Entire top and rim machined and nickel plate Diameter, 5⅝ inches. Starting handle drops flush into rim.

Ignition—Atwater Kent Unisparker with special non-vibrating high power coil mounted under tank, fully protected Timer located below flywheel, actuated by eccentric on flywheel hub. Coil and timer water-proof and compact Current is supplied by Columbia Hot Shot battery, sealed in moisture and vapor proof cells waterproof Size [illegible] Weight, 4 lbs

Carburetor Pilot adjustment adjustable needle valve type Contains two sixteenth acting automatic valves, giving delicately fine vapor action No float, no dripping of gasoline No flooding when not operating

Propeller-Pump—(Patented). Combining scoop, propeller pressure and syphon effect. Perfect water circulation No parts to wear, no valves to stick Self-draining

Rudder—One piece lynite casting, highly polished. Folds for carrying (patented). Controlled by the line attached to tiller yoke.

Gears—Chrome nickel steel with perfect generated teeth, case hardened and hubs ground.

Propeller Wheel—Lynite. Exceptionally strong Highly polished. Diameter, 9½ inches; pitch, 9½ inches. Two blade, weedless design Elto Weight, 50 lbs. ..... Each, **$145.00**

What a Wonderful "buy" Diamond Walnuts are this year!

They're Better— Yet Lower in Price

For this year, in California's famous Walnut districts, nature and science have combined to produce the ideal combination: an *even higher* quality (due to favorable weather conditions); yet a crop of over sixty million pounds, large enough to insure a *lower price*

This year, there's no reason on earth why you shouldn't enjoy top-quality Walnuts often. A heaping bowl on the holiday table! Tradition and good taste naturally call for it. And what surer way to give that *final touch* to the holiday menu, than by adding plump, flavory Walnut meats to salads, fruit cocktails, desserts and candies!

Diamond Walnuts Are Better Walnuts

Give Walnuts the place they deserve on your shopping list. And be sure you get *the best* Walnuts—full-meated, fine-flavored *Diamond* Walnuts—the pick of California's finest crop to begin with—then graded and selected by hand and by ingenious machines (including an air-suction process more precise in selection than a human could be).

Fortunately, you can be sure. For modern inventive genius has taken the guess out of Walnut buying. Last year—after seven years of experiment—we found a way to brand each Walnut with the Diamond trade-mark—*right on the shell.*

Look For The Trade-mark—And Be Sure

Now you can buy Walnuts just as you are accustomed to buy other quality foods—in a "trade-marked package." The only difference is, this "package" costs you nothing. We brand Diamond Walnuts 30 pounds for a cent—thirty times as cheaply as we could pack them in the simplest 1-pound carton.

As there is usually such slight difference in price, surely it's worth your while to insist upon Diamond California Walnuts: in the shell—each nut branded with the Diamond trade-mark—or shelled (mixed halves and pieces—kept always fresh and sweet in two sizes of vacuum-sealed tins, for instant use).

Your grocer's *fresh* stock of new-crop Diamond Walnuts has just arrived. Order a supply today. Then write for our new book, "*For That Final Touch—Just Add Walnuts.*" It's free—and full of interesting suggestions for "dressing up" everyday meals.

CALIFORNIA WALNUT GROWERS ASSOCIATION

Dept. B-8, Los Angeles, California

A purely cooperative, non-profit organization of 4800 growers
Our yearly production over 60,000,000 pounds

DIAMOND WALNUTS

California's Finest

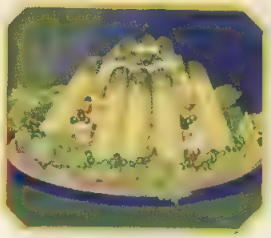
Prepared by THE H. K. McCANN COMPANY

Done with [illegible]

THIS FOUR-COLOR PAGE IN NATIONAL MAGAZINES SHOWS AN UNUSUAL SETTING FOR A POPULAR PRODUCT

This insert of eight pages printed from nickeltypes by INDEPENDENT PRESS-R[illegible] *San Francisco*
Engravings and nickeltypes by AMERICAN ENGRAVING AND COLOR PLATE CO., I[illegible] *San Francisco*

Midwinter meals are real spring treats ~with Asparagus!



A Midwinter Vegetable Salad

Mix equal quantities diced cold boiled potatoes, carrots and peas with French Dressing and serve on lettuce on individual plates. Drain California Canned Asparagus Tips and arrange around salad. Equally delicious with beans, beets or any available vegetables. Mayonnaise supplies a pleasing variation.

What other delicacy offers such variety and freshness so easily and so economically?

"Variety—delicacy—freshness! Aren't these the things you are seeking to give zest to your January meals?

You get them all in California Canned Asparagus. Serve it in soups, in salads, in main course dishes or simply with melted butter—it always supplies the touch of spring that makes the whole meal more refreshing and appetizing.

And you will welcome its convenience and economy. California Canned Asparagus is ready to serve—no advance preparation is necessary. There's no trimming, no waste, and its cost is surprisingly moderate—less now than it has been for years.

Take advantage of this wonderful food—give it a regular place in your menus. Its matchless flavor, and its healthful variety will give springtime freshness to your midwinter meals.

There's health in asparagus, too. Itself a non-fattening food, asparagus as it is generally served by pleasing the appetite, provides cellulose to stimulate the intestines, and furnishes a variety of mineral salts conducive to the welfare of the human body.

CANNERS LEAGUE OF CALIFORNIA—ASPARAGUS SECTION
Dept. 328—451 Montgomery St., San Francisco, California

Asparagus with Melted Butter
Recipe book, page 17

Send for this FREE Recipe Book

Sixty delightful ways to give variety and freshness to midwinter meals. Address Dept. 328, Canners League, 451 Montgomery Street, San Francisco, California.

CALIFORNIA CANNED

Asparagus

The World's Most Popular Salad and Vegetable Delicacy

Prepared by THE H. K. McANN COMPANY

Done with 120 screen

ONE OF THE MOST DIFFICULT OF ALL FOOD PRODUCTS TO REPRODUCE—A FOUR-COLOR REPRODUCTION

Printed by INDEPENDENT PRESSROOM, *San Francisco*
Engraved by AMERICAN ENGRAVING AND COLOR PLATE CO., INC., *San Francisco*

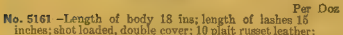
RIDING QUIRTS

Per Doz

No. 5161—Length of body 18 ins; length of lashes 15 inches; shot loaded, double cover; 10 plait russet leather; with wrist strap, 3 buttons and 2 frills..... $25 50

One doz in bundle; wt per doz 9½ lbs.

DROVERS' WHIPS

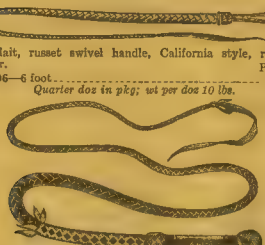


6 plait, russet swivel handle, California style, rawhide cracker.

Per Doz

No. 806—6 foot..... $17 25

Quarter doz in pkg; wt per doz 10 lbs.



Per Doz

No. 910—6 plait, russet swivel handle, California raw hide cracker, 2 buttons and 1 frill, knob at end of handle; length over all 10 ft..... $57 00

¼ doz in bundle; wt per doz 20 lbs.

WHIP SOCKETS

Per Doz

No. 47—Birchwood japanned, 6½ ins long, rubber cap with leather band fasteners..... $6 30

One doz in box; wt per doz 3 lbs.

HORSE BOOTS

Per Doz

No. 8—Ankle; single; black or russet leather..... $4 50

One doz in carton; wt per doz 1½ lbs.

HAIR TASSELS

In ordering, be sure to state **color** wanted.

Red, Blue and Yellow.

Nos.	108	110
Length, ins	8	10
Per Doz Pairs	$7 95	11 25

Red, Blue and Yellow.

No.		112
Length, ins		12
Per Doz Pairs		$14 40

Red, Blue, Green and Yellow.

Nos.	115	118
Length, ins	15	18
Per Doz Pairs	$18 75	21 75

One pair in paper wrapper; average wt per doz pairs 2¼ lbs.

BRIDLE BITS

RING

XC plate (tinned), 2 inch loose ring, 5½ inch jointed mouth, malleable.

Per Doz

No. 1001J—Light; wt per doz 3 lbs..... $4 05

No. 1003J—Medium, wt per doz 4 lbs..... 4 95

Per Doz

No. 47AJ—XC plate (tinned), wrought iron, 2¾ in. loose rings; 6 in. jointed steel mouth; wt per doz 7 lbs.. $3 75

No. 47AJ-J—Japanned, wrought iron, 2¾ in. loose rings; 6 in. jointed steel mouth; wt per doz 7 lbs.. 3 30

No. 47B—XC plate (tinned), wrought iron, 2½ in. loose rings; 5½ in. jointed steel mouth; wt per doz 5½ lbs..... 3 30

Per Doz

No. 47AS—XC plate (tinned), wrought iron; 2¾ in. loose rings; 6 in. stiff steel mouth piece; wt per doz 7 lbs..... $3 00

No. 47AJS—Japanned, wrought iron; 2¾ in. loose rings; 6 in. stiff steel mouth piece; wt per doz 7 lbs..... 3 00

All above packed loose.

Per Doz

No. 47BJS—Japanned wrought iron, 2½ in. loose ring, 5½ in. stiff mouth, wt per doz 5½ lbs..... $2 40

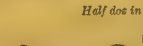
Per Doz

No. 200—XC plate (tinned), Wilson 4 ring, malleable; 2½ in. loose outside rings; 5 in. jointed steel mouth.. $7 50

Half doz in box; wt per doz 6¾ lbs.

Pony.

Per Doz



No. 189—XC plate (tinned), pony snaffle; malleable; 4½ in. jointed mouth; 1¾ in. rings with shoulders at mouth piece; 2¾ in. cheek.. $7 05

Half doz in box; wt per doz 4½ lbs.

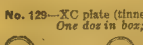
Overcheck.

Stiff; 1 inch wrought loose rings, 5½ inch stiff steel mouth, curved.

Per Doz

No. 129—XC plate (tinned)..... $2 25

One doz in box; wt per doz about 1½ lbs.



XC plate (tinned), jointed, 2 inch malleable loose rings, 5 inch twisted steel mouth.

Per Doz

No. 1010—Heavy, wt per doz 5 lbs..... $5 40

One doz in box.

XC plate (tinned), malleable, 2¾ inch loose rings 5½ inch twisted steel mouth.

Per Doz

No. 674—Jointed..... $5 85

No. 675—Stiff..... 5 85

Half doz in box; wt per doz 7 lbs.

Single jointed, malleable loose rings, 6 inch twisted wire mouth.

Per Doz

No. 845—2 in. ring, XC plate (tinned)..... $5 70

No. 846—2¼ in. ring, XC plate (tinned)..... 6 30

One doz in box; wt per doz 5 lbs.

Per Doz

No. 855—XC plate (tinned), double jointed, 2¼ in. malleable loose rings, 6 in. double twisted wire mouth.. $8 70

One doz in box; wt per doz 6 lbs.

Two Good Specialty Items

Folding Card Table with Embroidered Cover

Folding Card Table, with Embroidered Cover. The cover is made of dependable material, daintily trimmed, silk embroidered card design on each corner, complete with string ties. The table is 28½x28½ in. and is very well braced and strongly reinforced, light weight and durable. Legs fold to permit easy handling and for compact storage. One in carton. Folding card table complete with cover, as illustrated above.

No. A7929.
Each..... 2.95 | Per dozen..... 34.25

Fernery

Wrought Iron Metal Fernery, height 42 inches, complete with copper bowl. Mahogany finish. Each in carton.
No. 24A60. Each..... 3.00

Camera Phonograph

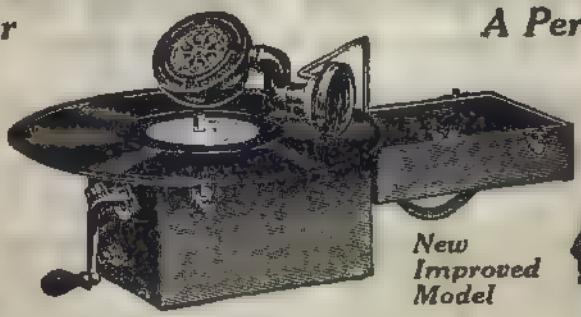
Keratol Cover

The World's Smallest Portable

A Perfect Instrument

Size 6 x 4 x 5¼

Weight 4 lbs. 2 oz.



New Improved Model

The Camera Phonograph is an all-around good instrument (not a toy), with a thoroughly reliable motor, nickel plated turntable, plays 10 and 12-inch records. Perfect sound box. Exceptionally brilliant tone, genuine leather grip and in va ue equal to any cabinet covered with black Keratol. One winding of the motor will play a 12-inch record. The exceptionally low price is within the reach of everybody.

No. A21. Each..... **4.50**

APOLLO BICYCLES

The King of the Road

Bicycles look pretty much alike to the average buyer even the expert must depend upon the reputation of the producer for assurance of quality, material and workmanship

Apollo brand bicycles have a reputation of being the best all around bicycles on the market. Materials used in the making and assembling of these bicycles are thoroughly inspected before used. Built by expert mechanics of long experience Apollo bicycles are made to give perfect satisfaction to the user Popular and well known tires that will give long wear are used. By what we say above we can safely guarantee our bicycles.

GUARANTEE

APOLLO bicycles are fully guaranteed against any imperfections in material or workmanship, and repairs or replacements will be made free of charge, provided parts claimed to be defective are delivered to us transportation charges prepaid, and found by us to be defective.

A separate letter should be mailed in order to help us identify the parts.

This guarantee expires December 31st of the year during which purchase was made.

As we do not manufacture Coaster Brakes Saddles, Pedals, Handle Bars, Tires, etc., these various accessories are guaranteed by their respective manufacturers, as is the usual trade custom and all claims should be taken up directly with them

We have exercised the greatest care in the selection of tires for the various grades and all tires are guaranteed by the maker, to whom all claims for adjustment must be made.

N. SHURE CO.

SPECIAL NOTICE

We require a week to ten days time to make shipment of any of our bicycles as we do not carry them in stock completed. Before making shipment we equip them with fresh tires and enamel. By doing this we deliver them with all their brilliancy and also gives the user longer wear.

Boy's Special Apollo Model

A Real Man's Bicycle Built in Boy's Size

Model A-100

The Best Constructed Most Highly Finished

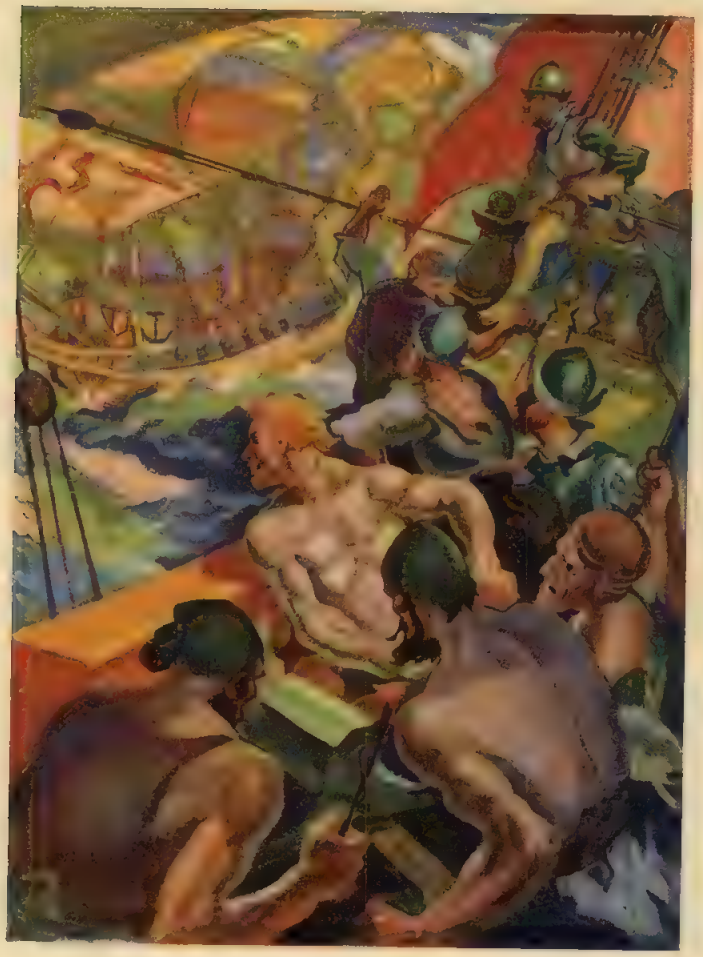
BOY'S BICYCLE

EVER BUILT

27.75 Each

SPECIFICATIONS

FRAME. 18 inch, made of one-inch 18 gauge, high carbon steel tubing; flush joints throughout.
WHEELS. 26 inch.
FORK. Drop forged crown, fork sides nicely tapered 18 gauge.
CRANK HANGER. One-piece, 5½ inch crank, nickel plated.
FINISH. Handsomely enameled in carmine with white head. Four coats, hand rubbed.
FRONT HUB. New Departure.
COASTER BRAKE. New Departure
RIMS. One-piece maple, aluminum finish.
CHAIN. ⅛ inch.
SPOKES. 28 in each wheel
TIRES. U. S. Red Studded Tread.
HANDLE BAR. Juvenile adjustable, short rubber grips.
SADDLE. Juvenile coil spring.
PEDALS. Juvenile rubber
GUARDS. Front and rear



Four color process from a painting by James Daugherty for frontispiece "Drake's Quest" by Cameron Rogers, copyright Doubleday, Page & Co., 1927, engraved by
THE COYNE ENGRAVING CO., New York City

Cigarette Servers

N71695—CIGARETTE HUMIDOR SERVER—Will hold 50 cigarettes. To remove cover press sides of box and lift cover. Made of solid brass finished in velvet silver. Serves one cigarette at a time. By pushing ball in, cigarettes come out. Size of humidor, 3 inches high, 3 inches square. A practical gift for anyone. Packed one in a box..... 3.30 Each

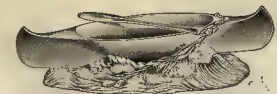
N71696—CIGARETTE HUMIDOR SERVER—Will hold 50 cigarettes. To remove cover press sides of box and lift cover. Made of solid hammered brass. Finished in oxidized silver. Has a pheasant mounted on top of box adding to the beauty of this novelty. Size of box, 4¾ inches high, 3 inches square. Serves one cigarette at a time. By pushing ball in, cigarette comes out. Packed one in a box..... 4.50 Each

N71697—CIGARETTE HUMIDOR SERVER—Will hold 50 cigarettes. To remove cover press sides of box and lift cover. Made of solid hammered brass finished in oxidized silver. Has an ash tray mounted on top of box for the smoker's convenience. Size of box, 4 inches high, 2 inches square. Serves one cigarette at a time. By pushing ball in, cigarettes come out one at a time. Packed one in box .. 5.00 Each

Ash Trays

N70346—WINDLESS ASH TRAY—Figure of sitting monkey with mouth open to receive the ashes. Made of metal antique bronze finish. Height, 3¼ inches. Packed one in a box..... 2.00 Each

Ash Trays—Continued



N70345—CANOE ASH TRAY—Made of metal bronze finish. Has an oar resting across top resembling a real canoe. Length, 9 inches. Packed one in a box.. 3.00 Each

N70347—ASH TRAY Cast metal with design of hunting dog and two cigar rests. Finished in antique brass. Size, 6x4 inches ..... 3.00 Each

N70343—ASH TRAY—Heavy metal ash tray, finished in antique green brass. Design at the top of two pheasants. Diameter, 9½ inches ..... 3.00 Each

N70354—CARD SPOT ASH TRAY—Cut glass ash tray, highly polished with card spots indented in base in black and red. Four trays in a set to represent four card spots. The trays are 2½x 2½ inches square. Packed one set in a box..... 2.00 Per set

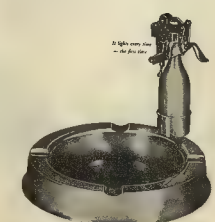
N70363—ASH TRAY—A metal ash tray in the form of a Parisian rug with Egyptian figures finished in attractive bright colors. Packed ½ dozen assorted in a box, not broken .. 6.00 Per doz.

Desk Lighters

K72152—CAPITOL LIGHTER, JUNIOR—Has a permanent base with felt covered bottom to protect table or desk. Substantially made of brass finished in gun metal. A practical lighter for desk or smoking room. Height, 6 inches ..... 4.50 Each

N70465—ARM CHAIR ASH TRAY Metal cup mounted on a leather strap with a weight at each end. Straps are made in assorted colors, fringed at ends..... 16.00 Per doz.

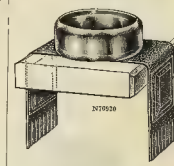
Desk Lighter With Ash Tray



K72163—CAPITOL LIGHTER, SENIOR—With glass lined ash tray finished in gun metal. Diameter of tray, 6½ inches. Height, including lighter, 6 inches 6.50

Arm Chair Ash Trays

N71632—ARM CHAIR STRAP ASH TRAY—Made of fancy designed colored leather, measuring 19 inches long, with 2½-inch removable brass ash tray in center. Packed one dozen assorted in a box, not broken. ..... 8.00 Per doz.



N70929—ARM CHAIR ASH TRAY—Ash receiver made of solid brass metal and mounted to a leather strap with weights at each end holding it firm when placed over the knees or arm of a chair. Made of suede leather with various colored trimmings. Length, 16 inches ..... 16.00 Per doz.

N70930—ARM CHAIR ASH TRAY—Black rubber tray on tooled, colored leather strap, weighted at the ends, holding it firmly when placed over levers or arms of chair. Length, 16 inches 3.00 Each

Statuary Elephants

Each

N72624—ELEPHANT Statuary Elephant made of metal, Royal Bronze finish. Ivory tusks. Height, 8 inches. Length, 6½ inches. An attractive ornament for library table or mantle..... 4.00

Each

N72626—STATUARY ELEPHANT—Metal with Royal Bronze finish. Ivory tusks. Height, 6⅜ inches. Length, 9 inches. A decorative work of art..... 9.00

Each

N70465—ELEPHANT — Heavily silver plated elephant of white oxidized metal. Height, 7 inches. Width, 10¼ inches. Packed in individual boxes 10.00

Statuary Camels

Each

N70464—CAMEL—Heavily silver plated camel of white oxidized metal. Height, 6½ inches. Width, 7⅛ inches. Packed in individual boxes 9.00

Calendars

Each

N70455—AUTOMATIC PERPETUAL CALENDAR—Metal perpetual calendar which can be set at any date by means of automatic levers. Finished in royal red with polished gold edges. Size, 1⅝x1½x3⅜ inches. Packed in individual boxes 2.25

Per doz.

N70452—CALENDAR—Perpetual calendar with metal frame and easel. Finished in royal red with polished gold edges. Size, 3⅜x3¼ inches. Packed in individual boxes 12.00

Royal Red Ware

Per doz.

N70454—CALENDAR. Metal calendar fitted with celluloid facing, and receptacle for holding pins, paper clips, pen points, etc. Finished in royal red with polished gold edges. Size, 3¼x4⅝x2½ inches. Packed in individual boxes..... 21.00

Per doz.

N70453—PERPETUAL CALENDAR—Perpetual calendar with metal frame and easel. Finished in royal red with polished gold edges. Size, 4¼x5⅝ inches. Packed in individual boxes 18.00

Ink Stand

Each

N70457—INKSTAND—With inner glass inkwell mounted with plain hinged cover and plain metal base with pen rest. Finished in royal red with polished gold edges. Size, 3⅛x4¼x3 inches. Packed in individual boxes..... 2.25

Bridge Pad

Each

N70456—BRIDGE PAD AND HOLDER—Official auction bridge pad for marking score, with metal holder and spring catch. Finished in royal red with polished gold edges. Words, "Auction Bridge" in orange enamel, block letters on holder. Rest for pencil. Size, 4⅝x5½ inches. Packed in individual boxes..... 2.00

Empire Ware

N71343

N71344

N71346

N71316

N71347

Each

N71343—EMPIRE WARE SUTTER DISH Butter dish of engraved colored glass, with high glass cover. Antique gold filigree holder with three feet. Diameter, 3⅜ inches. Height, 4⅛ inches 6.00

Each

N71344—EMPIRE WARE RELISH DISH—Colored glass partitioned relish dish set into an antique gold, filigree finished holder with three feet and swing handle. Diameter, 5¼ inches. Height, 4⅛ inches..... 6.00

Each

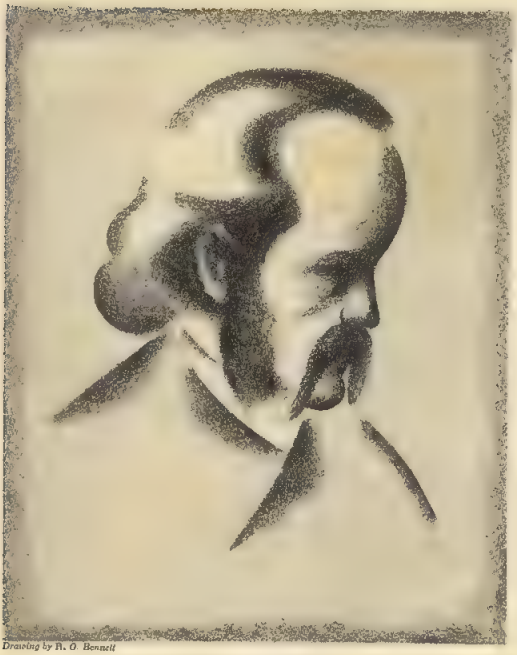
N71345—EMPIRE WARE COVERED RELISH DISH—Colored glass partitioned relish dish decorated with a glass knob of a contrasting color. Antique gold filigree finished holder with three feet. Diameter, 5½ inches. Height, 4⅛ inches 7.50

Each

N71346—EMPIRE WARE CANDY DISH Colored glass candy dish with partitions and heavy metal cover decorated in stamped design. Antique gold filigree finished holder with three feet and side handles. Diameter, 5¼ inches. Height, 4¼ inches..... 10.00

Each

N71347—EMPIRE WARE CANDY DISH—Colored glass candy dish with engraved colored glass cover and ball top. Antique gold filigree finished holder with three feet and side handle. Size, 7½x4¼x4¼ inches..... 10.00



Drawing by R. O. Bennett

CAPT. ERIC VON EGLOFFSTEIN
America's Pioneer Photo-Engraver

THIS INSERT OF TWELVE PAGES PREPARED
by the

Printed by
THE
DETROIT PRESS

WAYNE
COLOR
PLATE
COMPANY
DETROIT

Paper by the
UNION PAPER
& TWINE CO.

Pen and Ink drawing by Carl Becker

BOOKLET COVER

*Specially designed and engraved for "*ACHIEVEMENT.*" Four-color Benday, etched on Zinc*

By Powers Reproduction Corporation

Cane Department

One Dozen in a Bundle No Less Sold

15N1

15N9

15N18

Imported Jap Canes, nice appearance, thoroughly finished, enameled Jap stock, bent crook handle These are heavy sticks and should not be compared with the light weight goods now on the market Very serviceable and very popular seller. 100 in a bundle No less sold

No. 15N1. Per 100 .. .. 1.20

Red, White and Blue Canes. Round shape wood heads Heads are not fastened on canes, but come in separate bag. A very popular cane, substantially built. 100 in a bundle. No less sold

No. 15N9. Per 100 . ... 2.85

Cane, maple stick, black finish, with enameled red ball top.

No. 15N18. Per dozen ..... .45

15N19

15N23

15N29

15N34

Cane, maple stick, black finish, with black enamseled barrel top.

No. 15N19. Per dozen..... .45

Cane, maple stick, black finish, knob shape turned head, enameled in red and purple assorted

No. 15N23. Per dozen..... . .45

Cane, maple stick, black finish, machine turned top, with ridges enameled, in colors, assorted purple and red.

No. 15N29. Per dozen..... ..... .45

Cane, maple stick, in assorted bright colors, with ridged carved head top enameled in purple and red, assorted

No. 15N34. Per dozen... . ... .50

15N26

16N97

16N96

16N98

Cane, maple stick, black finish, fancy turned head, finished in enameled imitation mottled celluloid.

No. 15N26. Per dozen..... .55

Cane, fancy turned head, gilt finish, maple stick, assorted colors.

No. 16N97. Per dozen..... .55

Cane, good maple stick, with fancy ridged carved gilt finish head top

No. 16N96. Per dozen..... .55

Cane, good maple stick, gilt finish with ball shape top

No. 16N98. Per dozen.... .. .. .55

15N47

Assorted

15N33

Canes, fancy turned wooden heads enameled in ivory and bone, colors assorted, good maple sticks. Mahogany finish

No. 15N47. Per dozen... .... .55

Cane, maple sticks, in assorted colors, with enameled ball top, mottled in variegated colors.

No. 15N33. Per dozen .. .. .60

15N63

15N72

15N60

15N65

Cane, maple stick, assorted colors, white metal eagle claw top, silver finished, nickel ferrule.

No. 15N63. Per dozen..... .90

Cane, maple stick, in purple, maroon, etc., assorted, polished white metal bridled horse head top nickel ferrule.

No. 15N72. Per dozen... . ... .80

Cane, maple stick, finished in purple, maroon, etc., assorted, white metal head, woodpecker design, nickel ferrule

No. 15N60. Per dozen.. 90

Cane, maple stick, in purple, maroon, etc., assorted, white metal oblong shape embossed design head, silver finished nickel ferrule

No. 15N65. Per dozen..... .80

15N58

Assorted

15N52

15N84

Cane, maple stick, finished in purple, maroon, etc., assorted, with metal heads, silver finish, assorted, eagle, elephant and rabbit, nickel ferrule.

No. 15N58. Per dozen..... .85

Cane, maple stick, finished in assorted colors, large size white metal dog head, silver finish, nickel ferrule.

No. 15N52. Per dozen..... .85

Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal top, large eagle claw design, nickel ferrule.

No. 15N84. Per dozen.. 85

Silk Motto Buttons, Comic Feathers, Hat Bands, Etc.

ASSORTED SILK BUTTONS

Silk covered buttons. Assorted faces with silk ribbon attached that has comic sayings printed on it. 12 different subjects. Assorted on card.

No. 3N382. Per gr..... 4.50
Per doz..... .40

FELIX SILK BUTTONS ASSORTED SAYINGS

Felix Cat. Too well known to need any introduction. His face is printed on a silk button. Has cardboard ears. Silk ribbon with motto attached to each button. 1 dozen on card, sayings are assorted

No. 3N578. Per gross ... 6.50 Per dozen. ... .60

FLAPPER SILK BUTTONS WITH COMIC SAYINGS

Illustration shows exact size of button. The face is made of silk and the features and hair are hand colored. Has silk ribbon attached with clever saying. Packed 1 dozen on card of assorted colors and sayings.

No. 3N504. Per gross 4.50 Per dozen.. .40

COMIC FEATHERS

Comic Feathers. 14 inch assorted colors. Each printed with comic motto; 20 kinds; 100 in a package.

No. 2N34. Per 100.. ..... 1.00

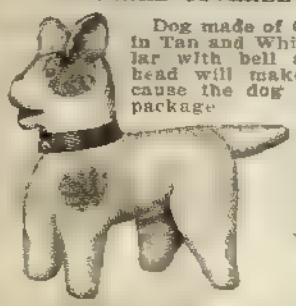
COMIC HAT BANDS

Made of standard grade felt in assorted colors, with art process letters in white. Size 1¾x24 in.

20 kinds assorted; 100 in package No less sold

No. 43N80.
Per 1000..... 16.50
Per 100 ... . 1.70

FLANNEL COVERED BARKING DOGS



Dog made of Canton Flannel, finished in Tan and White. Has leatherette collar with bell attached. Pressing the head will make the mouth open and cause the dog to bark. One dozen in package

6 inches overall
No. 38NL.
Per gross . 12.00
Per dozen. 1.10

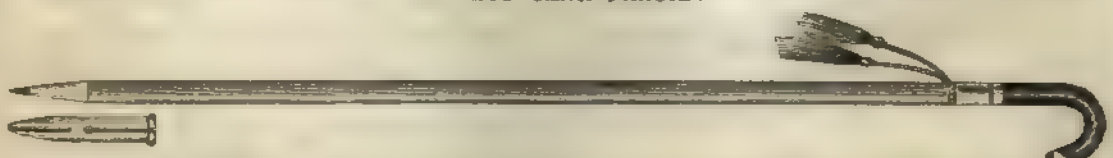
9 inches overall
No. 38N2.
Per dozen 1.90

WOOD SNAKE

Made in two sizes, very flexible, the best wiggling snake on the market made of wood painted green with yellow spots on back, painted eyes and open mouth. One dozen in box.

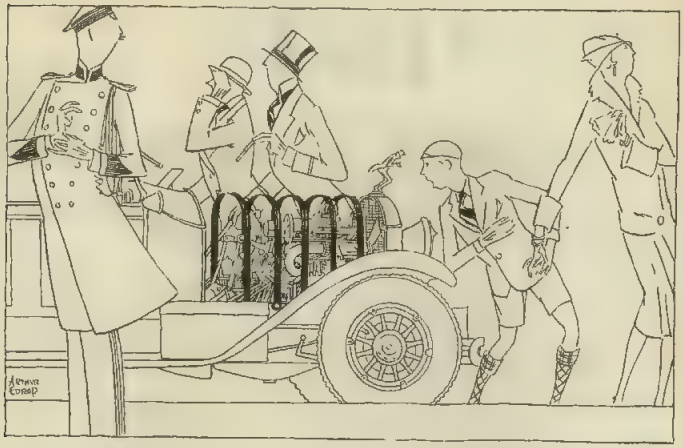
18 inches.	29½ inches
No. 1N277.	**No. 1N278.**
Per gross..... 8.00	Per gross..... 18.00
Per dozen .70	Per dozen 1.65

NOVELTY CANE PENCILS



Novelty Cane Pencil. Assorted bright colored bodies, nickel trimmed with silk tassel. Solid Gallalith curved handle of contrasting color. Complete with nickel protector. Good quality black lead Pencil measures 18 inches overall. **Will sell readily at 25 cents.** Packed three dozen in box.
No. 14N75. Per gross..... 7.50 | Per dozen..... .68

Cheaper quality Cane Pencil than above. Composition handle. Has no silk tassel and no nickle protector. Packed three dozen in box
No. 7N78. Per gross..... 4.75 | Per dozen..... .40



You could see the engine, too . . if the hood was made of spokes!

But people don't want to see the engine—so the hood is a streamlined piece of polished steel.

People don't want to see the machinery under the car, either—brake drums, steering rods, etc. They avoid it when their cars ride on Budd-Michelin Wheels—streamlined discs of steel that shield the under chassis parts as gracefully as the hood hides the engine.

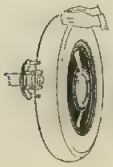
Budd-Michelin Wheels conceal, but they make brakes and other working parts *more* accessible. A few turns on the cap nuts and the wheel comes off—almost as easy as lifting the hood to get at the engine.

Beauty and convenience are increasingly effective sales arguments. Budd Michelins have them both!

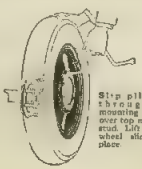
BUDD

WHEEL COMPANY . . . *Detroit*

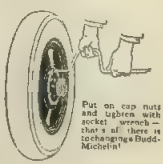
Budd Service Stations in all principal cities—parts and service for wheels of every type.



To put on a Budd-Michelin Wheel set brakes and place wheel in position before the mounting studs.



Slip pilot bar through top mounting hole and over top mounting stud. Lift up and wheel slides into place.



Put on cap nuts and tighten with socket wrench—that's all there is to changing a Budd-Michelin!

Auburn Sets 15,000 Mile Stock Car Record

IN a certified A.A.A. test recently run on the Atlantic City board speedway Auburn model 8-88 completely equipped stock cars established 34 new and shattered 37 old official A. A. A. distance records. The negotiation of 15,000 miles in less than 15,000 minutes required ten days and nights of continuous driving and represents the longest official test ever made with stock cars in the history of the industry. Three cars, two roadsters and a sedan participated in the event which started July 28 and ended August 7. Rain was encountered every night except one, and on one occasion the fog during the early morning hours was so dense the cars were stopped for more than half an hour because of no visibility.

After car No. 2, a roadster, had finished 10,000 miles it was taken off the track thoroughly checked, necessary replacements made, tuned and greased and then sent out for a 1000 mile sprint which was accomplished at a speed average of 72.512 miles per hour. Because application had not been made to try for the 1000 record the performance does not stand as an official record although the time was officially recorded on the A.A.A. electrical timer. Car No. 2 was withdrawn at 12,500 miles with a cracked cylinder block.

Car No. 1, also a roadster, went the full 15,000 miles establishing several new records, the speed average for the distance being 61.3777 m.p.h.

Car No. 3, the sedan, after finishing 2000 miles at a new record of 65.583 for closed cars, turned over on the wet track during the night. After sliding for over 50 ft. on its roof, it righted itself and then crashed through the inner guard rail. The accident tore off two left doors, demolished three fenders, stove in the radiator, and broke the windshield and rear glass. After a delay of seven hours for body and radiator repairs the car was put back into the test without mechanical change and finished the 15,000 miles at an average speed of 62.709 m.p.h. With the loss of the fenders and windshield the car lost its stock status after 2637 miles, but was officially timed for the 15,000 miles.

The Record

Unlimited Stock Car

Miles		New	Former A.A.A. Records
5	Auburn	73 976	58 75 m p h.
10	"	74 452	70.09 m.p.h.
50	"	76 427	73 19 m p h
100	"	76.111	70 92 m p h.
500	"	76 138	66 28 m.p h.
1000	"	70 310	67 77 m p h.
2 00	"	70 084	63.87 m.p h.
3000	"	66 523	61 99 m p h.
4000	"	64 391	61 55 m p h.
5000	"	63 695	61 12 m p h.

(New Records Established for the First Time)

Miles		New
6000	Auburn	63 004 m p h.
7000	"	63 272 m.p.h.
8000	"	63 415 m.p.h.
9000	"	62.896 m.p.h.
10000	"	63.302 m.p.h.
11000	"	62 720 m.p.h
12000	"	63.057 m.p h
13000	"	63.957 m.p h.
14000	"	61.561 m.p.h
15000	"	61.377 m.p.h

New records for fully equipped stock cars for distances 5 to 15,000 miles were established by Auburn cars. This shows start of the run

Easy Ride Coach Seat Springs

Universal Spring Co.
Grand Rapids, Mich.

ANNOUNCEMENT is made by the above company of the "slip-on type" coach seat springs. These attach to the seat legs and are said to remove much of the jiggle, jolt, bounce and

road shock of the car. The slip-on type, illustrated, is made in two models 26 and 29. The No 26 balloon slip-on type sells for $3 00 set of 4, the model 29 sells for $2.00 set of 4.

Visolite Deflector

Auto-Light Deflector Co
Alliance, Ohio

VISOLITE, made by the above company, is a transparent green shield, which fits under the headlight rim and over the upper half of the lens to prevent bright lights from causing glare to motorists coming from the opposite direction. It is made in sizes to fit all cars. Price is $1.50 a pair.

Davis Cylinder Reamer

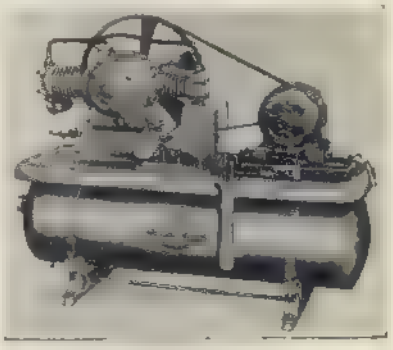
Davis Boring Tool Co.
St. Louis, Mo.

THE cylinder reamer manufactured by the above company and distributed by James M. Diven, can be either motor or hand operated, in or out of the chassis. Equipment consists of the fixture, illustrated, five sizes of reamers, 2⅝ to 5 in., motor attachment to operate by electricity and a ratchet handle to operate by hand. Reamer is turned through cylinder by solid steel feed bar, 1 15/16 in. diameter, 37 in. long; upper half threaded to feed through bronze split feed nut; lower half ground to fit 15 in. cylinder pilot in body of fixture. Eight high-speed steel blades set in right hand spiral. A special feature is the stoning of the blades on an arc. Reamer is set to size before starting.

Eco Two Stage Air Compressor

Service Station Equipment Co.
Bryan, Ohio

THE above company announces its two stage air compressor TS-30, for handling the air service requirements in service stations, garages and tire shops of average size. It is driven by a ¾ hp. motor and has a 30-gal.

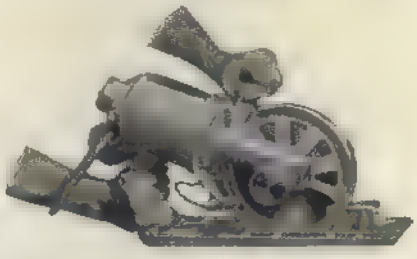


tank and a maximum working pressure of 200 lb. It is equipped with an electric controller set at the factory to automatically maintain constant tank pressure between 130 and 165 lb.

Wallace Electric Handsaw

J. D. Wallace & Co., Chicago, Ill.

THE above company announces its portable electric handsaw for woodcutting on d.c. or a.c. any frequency. Maximum efficiency has been secured by connecting the motor direct to the saw spindle. The guard on the handsaw is locked in a position which covers the blade at all points. When the operator wishes to cut



he releases the safety guard by a trigger near the grip. When the cut is finished and saw lifted, the safety guard or shoe automatically drops and locks into position, covering the blade and will not open until released by the trigger. One handle is of a handsaw type, the other the same as used in guiding a hand plane. With the depth gage the saw can be set to cut to any predetermined depth. Ball bearings are used throughout

No. 22 South Bend Bench Lathe

South Bend Lathe Works
South Bend, Ind

THE above company announces its No. 22, 9 in. junior bench lathe for the machining of pistons, valves, armatures, bushings and other parts. It will cut standard screw threads from 4 to 40, right or left, including 11½ pipe thread. The headstock on the lathe is back geared; spindle has ⅝ in. hole; tailstock may be set over for taper work; compound rest is graduated; cross feed screw has graduated collar; lead screw has 8 Acme threads per inch for cutting screw threads and for automatic longitudinal feed. Equipment includes double friction countershaft. Prices range from $150 to $182 according to type of bed.

"Bat" Supercharger

P. J. F Batenburg Co
Racine, Wis.

A NEW type "Bat" supercharger is now being manufactured by the above company and is available for Chevrolet models from 1924 to 1927. Other models will follow shortly. The supercharger consists of a special design intake manifold including in the vertical lead from the carburetor, a fuel and air mixing device known as the Bat Dual Rotary Hydro Carbon Mixer. This device consists of a double conical series of vanes, with tips meeting in the center. Fuel and air from the carburetor coming into this section of the intake manifold have to pass through these vanes toward the outside of the manifold and then return through the vanes of the upper cone into the center section of the manifold from whence it passes into the cylinders in the normal way. This reversing of the air-fuel flow in the manifold establishes a high turbulence, since the vanes are so arranged as to give the mixture a rotary as well as radial movement. It is claimed much better vaporization of fuel is obtained. The Bat supercharger, differs from the normal or blower type, in that it makes no attempt to increase volumetric efficiency by putting pressure back of the charge. It refines and mixes the fuel and it is said to remove all unvaporized fuel from the mixture, thus reducing crankcase dilution and increasing fuel economy. Since the fuel mixture in leaving the second set of vanes is discharged into the center part of the manifold, it is also claimed there is less disposition for condensation of fuel on the manifold walls. Price of supercharger, including intake manifold, is $10.00.

Pathfinder Road Light

Pathfinder Accessories Corp.
Cleveland, Ohio

THE above company announces a new road light that is so connected with the steering gear that the rays of the light follows the road

either straight ahead or around corners. There is a special model for Fords selling at $10. Two other models sell at $12.50 and $22.50, depending on size

Black & Decker High Cycle Electric Tools

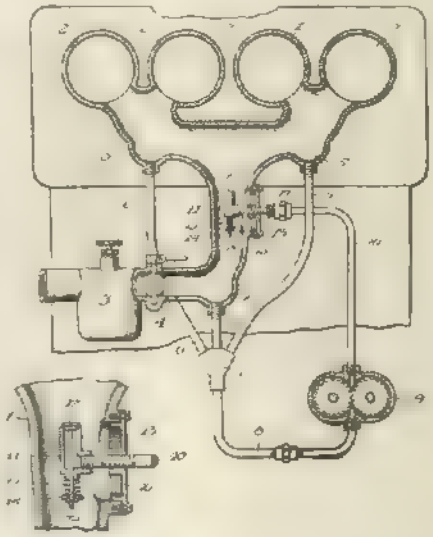
Black & Decker Mfg. Co.
Towson, Md

THE above company announces the development of a new line of super-power electric tools driven by three phase, squirrel-cage motors operating on 180 cycle current. The motors of squirrel cage design, have no commutator or brushes, the absence of which eliminates the source of most frequent service on other types of tools. The rotor is made of copper bars riveted in place in the laminations and welded, eliminating revolving wires with the only windings on the stator. The three phase, squirrel-cage motor maintains its speed under load and will do more work at rated capacity

Ryder Vaporizer

Elmer Ryder
Elgin, Ill.

THE vaporizer is a device designed to continually clear the intake manifold of any unburnt fuel which might find its way into the

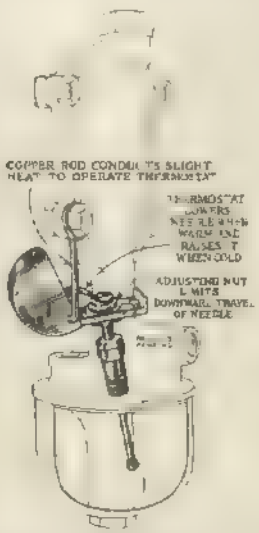


crankcase oil and cause dilution and to feed this unburnt fuel back into the manifold in an atomized state

Thermo GaSaver

Thermo Instrument Co., Inc.
Norfolk, Va.

ANNOUNCEMENT is made of the Thermo GaSaver for Ford carburetors which it is claimed will give more mileage, easier starting, better lubrication, less carbon and cause less


COPPER ROD CONDUCTS SLIGHT HEAT TO OPERATE THERMOSTAT
THERMOSTAT LOWERS NEEDLE WHEN WARM AND RAISES IT WHEN COLD
ADJUSTING NUT LIMITS DOWNWARD TRAVEL OF NEEDLE

overheating. The thermostatic needle valve is quickly installed in place of the old needle valve. Two nuts hold it in place permanently. The thermostat raises the needle when it is cold and lowers it when hot. Adjustment nut limits downward travel of needle. The price complete is $3.50

EXPLOSION WHISTLES

Four Tone Chime.

Aluminum. Can be easily installed on all model cars or trucks having internal combustion type engines by screwing in the place of a cylinder pet cock.

No.	A-82C
1 to 5, Each	$13 50
6 or more, Each	12 00

One in cardboard box; wt each ¼ lb.

Junior.

Aluminum base; steel cap. Can be easily installed on all model cars or trucks having internal combustion type engines by screwing in the place of a cylinder pet cock.

No.	A-83J
1 to 5, Each	$7 88
6 or more, Each	7 02

One in cardboard box; wt each ½ lb.

BUELL

For All Passenger Cars And Trucks.

The first and only warning signal to pass the Underwriters Laboratories rigid test for efficiency, reliability, durability, etc., and to receive their stamp of approval.

Single Tone.

Aluminum base; steel cap. Can be easily installed on all model cars or trucks having internal combustion type engines, by screwing in the place of a cylinder pet cock.

No.	A-80ST
1 to 5, Each	$10 13
6 or more, Each	9 00

One in cardboard box; wt each 1 lb.

MUFFLER CUT-OUTS OUTFITS

SNAP

For 1926 and Earlier Ford Cars.

Valve has an opening of 3½ inches, and is securely clamped with steel bands over opening in exhaust pipe. The valve operates lengthwise of pipe without obstructing outlet and is controlled by tempered steel spring which is free from heat of the exhaust and holds valve either full open or closed. Rocking pedal operates the valve through an adjustable steel rod. Complete with pedal, bolts and nuts for attaching.

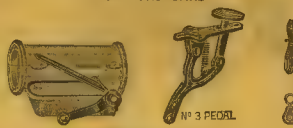
	Each	Per Doz
No. A-21S—Size 5¼x1½ ins.	$3 15	36 60

One in cardboard box; wt each 1½ lbs.

MUFFLER CUT-OUT OUTFITS

COOPER

FOR FORD CARS



Two piece grey iron valve fitted with a long slanted flapper that opens at an angle deflecting burned gas and soot out through 3½ inch exhaust area. Constructed to fit tight against the top of exhaust pipe completely shutting off muffler. Easily installed by fitting the two halfs around exhaust pipe. Outfit consists of cut out, locking pedal, pully and one length of steel wire cable. Outside diameter 1½ inches.

No.	A-4
1 to 9, Each	6 75
10 to 49, Each	6 60
50 or more, Each	6 00
List Price, Each	*$8 00*

One outfit in cardboard box; wt each 2¾ lbs.

CUT-OUT VALVES

COOPER, SPECIAL

Malleable iron. Heavy steel flapper opens a three inch exhaust area and closes tight against an accurately machined seat; flapper is firmly held in place with high tension spring; adjustable lever fitted with set screw for tightening.

Prices do not include Pedals and Cables.

Nos.	A-C-1½	A-C-1⅝	A-C-1¾	A-C-2
Outside diam, ins.	1¼	1⅝	1¾	2
Wt each, lbs.	¾	2½	3½	3¼
1 to 9, Each	5 55	6 75	6 75	7 80
10 to 49, Each	5 25	6 60	6 60	7 35
50 or more, Each	4 95	6 00	6 00	7 05
List, Each	*$8 50*	*8 00*	*8 00*	*8 50*

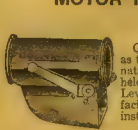
Nos.	A-C-2¾	A-C-2¾
Outside diam, ins.	2¾	2⅞
Wt each, lbs.	4½	5
1 to 9, Each	9 00	9 00
10 to 49, Each	8 40	8 40
50 or more, Each	7 95	7 95
List, Each	*$4 00*	*4 00*

One in cardboard box.

MOTOR TESTING VALVES

COOPER

For all Chevrolet models.



Grey malleable iron. So constructed as to give positive relief to motor, eliminating back pressure; flapper is firmly held in place with high tension spring. Lever adjustable to 6 different positions facilitating installation. Complete with instructions for attaching.

No.	A-CSC
1 to 9, Each	9 00
10 to 49, Each	8 40
50 or more, Each	7 95
List, Each	*$4 00*

One in cardboard box; wt each ¼ lbs.

FENDER PROTECTORS.

BUCKEYE.

Numerical List "Adjustable Fender Protector Bar Assembly" Attaching Members Only.

NOTE: These fittings are used with Adjustable Fender Protector Bar Assemblies. We also have Special Fender Protectors for a number of these cars.

No. 399. For Pontiac .....Each $4 25
No. 402. For Auburn-4, 6, 8, or Chandler Spec. 6.Each 4 25
No. 405. For Hudson .....Each 4 25
No. 406A. For Jewett or Paige 115 inch Wheelbase Models .....Each $4 25
No. 407. For Nash Advanced or Special 6.....Each 4 25
No. 411. For Peerless 8 .....Each 4 25
No. 412. For Pierce-Arrow Series 80 or Hicken backer .....Each $4 25
No. 415. For Chandler Big-6 or Standard 6, Chevrolet, Chrysler-50, 60 or 70, Diana-8, Dodge, Elcar, Gardner, Hupp-4, Jewett New Day or 1927, Jordan-6 or 8, Lexington, Maxwell, Moon, Oakland, Oldsmobile, Overland-6, Peerless 6-72 or 6-80, Pontiac, Roamer, Star-4 or 6, Velie Model-60, Willys-Knight Models 66 or 70 without Belflex Shackles, Wills-Ste. Claire-6 or 8 .....Each $4 25
No. 417. For Nash Light-6 (Ajax).....Each 4 25
No. 418. For Star-4 or 6.....Each 4 25
No. 419. For Dodge .....Each 4 25
No. 420. For Oldsmobile .....Each 4 25
No. 421. For Flint-40 Model-1925 or Flint-60, 1926-27 .....Each $4 25
No. 422. For Flint Jr. Model Z-18.....Each 4 25
No. 423. For Overland-6 or Willys-Knight-70 without Belflex Shackles (See No. 426).....Each $4 25
No. 424. For Willys-Knight-66.....Each 4 25
No. 425. For Buick Series 115 (Standard-6)...Each 4 25
No. 426. For Willys-Knight-70 and 70-A with Belflex Shackles .....Each $4 25

AUTO WHISTLES.

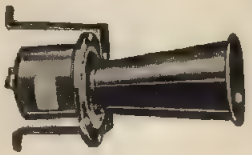
FOURCHIME.

Features a tone that is powerful and far-reaching. There is nothing in its note to startle and offend. It operates while motor is idling as well as when speeding. Exceptional precautions are taken to insure dependability. There is nothing to get out of order. Absolutely guaranteed against defects in workmanship and material.

Regular. Wt., ¾ lb.....Each $5 00
Ford Model. Wt., ¾ lb...Each 5 60
⅛ In. Adaptors. .....Each 60
⅜ In. Adaptors.....Each 60

MOTOR HORNS.

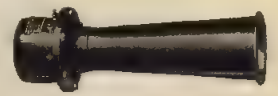
SCHWARZE.



A motor horn with great volume of pleasing and penetrating tone. Absolutely positive and instantaneous in action. Handsomely finished in black enamel for outside or under hood installation. Its accurately made motor frame insures perfect alignment of motor shaft and consequent durability and efficiency. Outside oiling device permits oiling of motor shaft without removal of back cap. Instantly accessible and simple tone adjustment. Large special steel diaphragm. (5½ inches in diameter). Special treated ratchet wheel and striking anvil. Bronze bearings; powerful motor.

No. 15. 6 volt; length, 12 inches. Wt., 5 lbs. .....Each $6 00

One in a box.



The musical note carries a clear and sure warning.

No. 35L. Length, 15 ins.; furnished with a motor mounting bracket. Wt. 4¾ lbs. .....Each $6 50

Mention 6 or 12 volt.

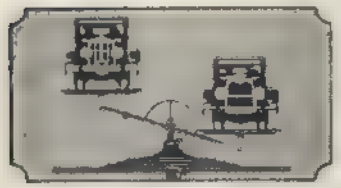
With Universal Bracket.

Handsomely designed and finished, with loud, deep, rolling tone, yet pleasing and penetrating. Because of the tremendous torque of its powerful motor its sound is different; it travels, broad-casting an unmistakable warning. With the Motor Bracket the horn can be installed on one of the cylinder bolts on either side or top of practically any motor (including Fords) in any desired position.

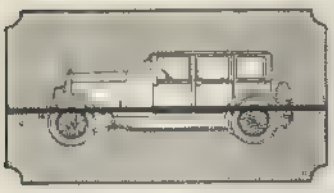
No. 5UF. 7 inch sound projector; length, of lower horn, 12 inches; has universal bracket. Wt. each, 3 lbs. .....Each $3 50

One in a box.

Five features that help Franklin dealers sell more cars



SCIENTIFIC LIGHT WEIGHT
The Franklin Sedan weighs ¼ to ⅓ less than other Sedans of equal size—¼ to ⅓ less weight to handle — to move about — to use up gasoline and tires.



LIGHT UNSPRUNG WEIGHT
Light Unsprung Weight — (the weight of all parts below the springs). With scientific lightweight construction, the pounding of the road is greatly reduced — the chassis absorbs part of the shocks, the springs take care of the remainder—and the body rides easily and smoothly.

TODAY, more than ever, automobile buyers have come to realize that the Franklin car embodies the most advanced and beneficial engineering principles. Repeatedly, Franklin design has forecast changes which have revolutionized automobile construction. Now, as in the past, Franklin continues to pioneer and perfect improvements which increase the desirability of Franklin ownership.

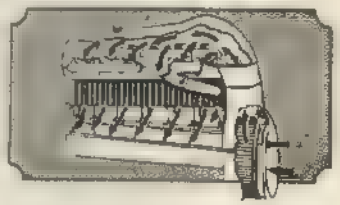
Pictured here are five advanced structural features of the present car — which account in large measure for the fact that Franklin today enjoys the highest percentage of repeat buyers in automobile history. And they are five of the features that help Franklin dealers sell cars to those who have not previously owned Franklins.

Dealers in small towns find that the Franklin franchise holds most attractive possibilities for profits. And this is an unusually favorable time to write for details.

FRANKLIN AUTOMOBILE COMPANY
SYRACUSE, NEW YORK

FLEXIBILITY
Alternate wheels elevated 8-inches —yet the body sits absolutely level. *Flexibility* explains Franklin's long life, freedom from rattles, squeaks and signs denoting wear.

SPRING SUSPENSION
Scientific Spring Suspension — four full-elliptic springs provide an unusual degree of riding comfort—the total spring length on each side is actually greater than the wheelbase.



AIR-COOLING
Forced in by the Sirocco fan, the air is carried in enormous volume, at high pressure, over the tops of the cylinders — down through the vertical cooling flanges which surround each cylinder — with greater amounts allotted to points of greater heat.

Air-cooled

FRANKLIN

Don't Remove Interfering Parts
WORK AROUND THEM

ON 'most every car there are a certain number of awkwardly placed nuts. Ordinary wrenches won't reach or turn them unless interfering parts are first removed. But Williams' new Obstruction "Superrench" will. Its narrow, pointed jaws and 75 head angles are specially designed for just such jobs.

Around the carburetor, manifold, shackles, steering gear and transmission, and in a dozen other places where clearance is limited, the new Obstruction wrench makes rapid, efficient service possible. Like all Chrome-Molybdenum "Superrenches," it is positively guaranteed against breakage. And because the heads are both on the same side of the handle, these wrenches always offer a comfortable working grip. A mighty good buy, either for use or resale.

Furnished in a great variety of sizes for all popular U. S. and S. A. E. standard nuts and cap screws Singly, in sets, or on attractive Display Boards.

WILLIAMS

Ready for delivery September 15

Ask Your Jobber's Salesman

J. H. WILLIAMS & CO.

"The Wrench People"

New York **BUFFALO** **Chicago**

Not This
50c. for Fords
75c. for others

Nor This
60c. for Fords
75c. for others

but this !

50¢ for all cars

Splitdorf Spark Plugs are the only complete line of standard plugs selling throughout for fifty cents and giving the dealer a *maximum* profit on every plug. The low price sells more plugs—makes more profits.

Splitdorf Electrical Company
Newark, N. J.

Subsidiary
Splitdorf-Bethlehem Electrical Company

SPLITDORF
HALF DOLLAR SPARK PLUGS
A special package of 4 PLUGS
for the Ford engine at $1.75

A real money-maker

AUTOMOBILE HORNS

KLAXON HAND OPERATED

For Automobiles

A hand Klaxon with a vertical push rod. Being as carefully made as the electric Klaxon, it has the genuine, powerful Klaxon note. Furnished with a universal bracket for installation on open cars

Model 3V Baked black enamel..Each, $4.00

One in a Box

Model 3 Same as Model 3V, but with a horizontal push rod .....Each, $4.00

One in a Box

Note: Model 3V and Model 3 can also be furnished with either right or left hand truck bracket

KLAXON ELECTRIC

Model 8C

A new Klaxon with a surprisingly powerful tone. Compact and sturdy. Has motor of the latest Klaxon design and new type tone adjustment. Will afford dependable protection at a very low cost. Furnished with either the motor or dash mounting brackets.

Model 8CS Baked black enamel finish, wound for six volts.....Each, $3.50

One in a Box

Note: In ordering always specify style of bracket wanted.

Model 12C

Klaxon 12C is a motor driven signal of new design. It is a thoroughly dependable instrument with exceptional volume—a warning signal that will meet all needs. The extremely low price of this horn places it in a value class of its own. Furnished with either motor or dash mounting bracket

No. 12C Baked black enamel finish, wound for six volts.....Each, $5.00

One in a Box

Note: In ordering always specify style of bracket wanted

Model 21

Klaxon 21 has a deep, commanding tone that is unmistakable nearly matching the note of the Klaxon 20L. It was designed for use under the hood on cars of the better class Furnished with special Cadillac mounting brackets for Models 61 and 63 Can also be had with motor bracket to fit practically any car.

No. 21 Black enamel finish, wound for six volts.....Each, $15.00

One in a Box

Note: In ordering always specify style of bracket wanted.

KLAXON ELECTRIC

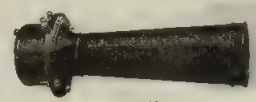
Model 15

Is a big, well made, high-frequency warning with a loud, stinging tone that will command instant attention. An oversize power plant of rugged design and a diaphragm of generous size are responsible for the loud tone. Furnished with either motor or dash mounting bracket.

No. 15 Baked black enamel. Length, 12¼ inches. Wound for six volts....Each, $6.75

One in a Box

Note: In ordering always specify style of bracket wanted.



Model 18

A new Klaxon of the popular high-frequency type. Has a wonderful volume of tone that is produced by a power plant of entirely new design. The back cover is fitted on a machined register, making the horn moisture proof. Can be mounted on the motor of almost any car by means of the unique motor bracket supplied. Can also be furnished with dash mounting bracket.

No. 18 Baked black enamel. Length, 14¼ inches. Wound for six volts....Each, $12.00

One in a Box

Note: In ordering always specify style of bracket wanted.

Model 25

A warning signal of the high-frequency type with curved projector. Has a singular, deep-pitched, singing note and responds with full tone the instant the button is pressed. Has no bearings to cause friction—oiling is unnecessary. The right-angle construction of this horn makes it particularly suitable for mounting on the outside of the car. Brackets for motor, dash and outside mountings are supplied with each horn.

No. 25 Baked black enamel finish. Wound for 6 volts.....Each, $12.50

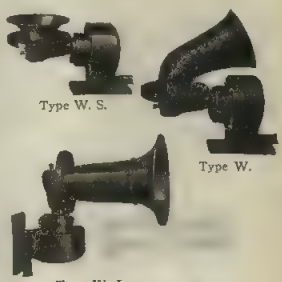
One in a Box

Note: In ordering always specify style of bracket wanted

INDUSTRIAL HORNS

KLAXON ELECTRIC

The Industrial Klaxon Horn is an electric motor driven signal sounding device. The sound is produced by sound waves in the air created by the rapid vibration of a thin metal diaphragm. These sound waves are concentrated and directed by means of a horn-shaped projector placed in front of the diaphragm. The diaphragm is vibrated by the teeth of a wheel (rotated by an electric motor) striking against a piece of hardened steel fastened to the center of the diaphragm. Klaxon Industrial Horns are unfailingly effective in sounding Time Signals, Code Calls, Telephone Calls, etc., and can be used with absolute safety as Fire or Special Hazard Alarms or as Warnings on Cranes, Derricks, etc. Their weather-proof housings are fitted with brackets for wall mounting and are tapped for conduit. The instruments are finished in fire red enamel and are identical in all respects except their projectors. Furnished wound for multiple operation on any standard voltage from 5 volts to 230 volts D. C and 10 volts to 460 volts A. C. A series resistance is supplied with the 220 volt D. C. instrument for adapting it to 240 or 250 volt D. C. circuits. A Klaxon Horn should be operated only on circuits of the voltage for which the instrument is intended. In all cases the voltage actually delivered to the terminals must not be greater nor be less by more than 5% than the rated voltage stamped on the metal label of the instrument



Type W. S.

Type W.

Type W. L

Voltage Specifications

Volts	Voltage Range	D. C.	A. C. 60 cycles	A. C. 25 cycles
6	5-7	X		
12	10-15	X	X	X
100	95-105	X	X	X
110	105-115	X	X	X
120	115-125	X	X	X
200	190-210	X		
220	210-230	X	X	X

(For 250 volts D. C. a 220 volt D. C. horn is supplied with a Series Resistance, $1.75 Extra)

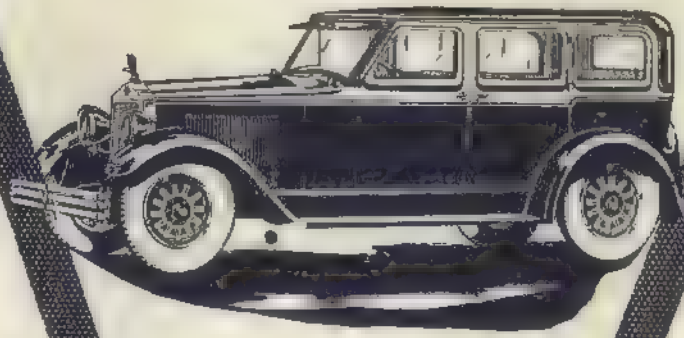
400	380-420	X		
440	420-460	X		
No.		**W. S.**	**W.**	**W. L.**
Length, Inches		7½	12	14¾
Each		$30.00	30.00	30.00

NOTE—In ordering always specify Voltage, Cycles and Class of Current.

VELIE

THE NAME INSURES THE QUALITY

LONG VELIE LIFE



Royal Sedan

$1635

Fully Equipped, F. O. B. Moline

33% IN FAVOR OF VELIE

1927 *Increase* in New Velie Registrations 22%.

1927 *Decrease* in All Car Registrations 11%.

Today's public is Motor-wise. The above figures (from all 1927 statistics available at this writing) show that *actual Velie registrations* are 22% greater in 1927 than during the same months in 1926, yet total registrations for the same period dropped off 11%. The motor-wise know the reasons—the silent power of the Velie Airplane Type Motor, the beauty and individuality of Velie appointments and body designs. The Velie chassis and motor are cushioned in rubber. Oilless-Noiseless Rubber Shackles are standard on all Velie models. The Velie Motors Corporation is a personally conducted business, maintaining close relationships with dealers and distributors at all times.

VELIE MOTORS CORP.
Moline, Illinois
U. S. A.

Dealers and Distributors
Write us regarding our valuable, co-operative Franchise. It is unquestionably one of the most profitable you can obtain today

Velie offers a line of fully equipped cars on two chassis, ranging from $1165 to $1635. All prices F. O. B. Moline.

AUTO CLOCKS.

THE BROADWAY.

12 Day, Rim Wind, Rim Set.

An excellent timepiece and extremely good looking. Has the appearance of original equipment when installed. Finish, all nickel only; dials, black with white numerals; regulator, on dial between numerals 1 and 3; installation, size of hole required, 2⅝ in.; space required on instrument board, 3⅝ inches; on wood instrument board use short clamp only; on metal instrument board use long clamp only.

Broadway. Wt., 1½ lbs...Each $12 50

Broadway. Luminous Dial. Wt., 1½ lbs. .....Each $14 50

ERIE.

12 Day, Ratchet Lever Wind with Knob Set.

Rests flush with instrument board. Keeps excellent time. Finish, all nickel only; dial, black with white numerals; regulator, on dial between numerals 1 and 3; installation, size of hole required, 2⅝ inches; space required on instrument board, 3⅛ inches; on wood instrument boards use short clamp only; on metal instrument boards use long clamp only.

Erie. Wt., 1¼ lbs.....Each $8 50

EMPIRE.

OVERHEAD MODEL

8-day, rim wind, rim set. Finish—all nickel. Dial—white with black numerals. Regulator—on back. Installation—Attached with screws above the windshield or any other convenient location. Diameter—2½ inches overall.

Empire, Overhead Model. Plain Dial. Wt., 8 ozs. .....Each $17 50

Empire. Overhead Model, Luminous Dial. Wt., 8 ozs. .....Each $17 50

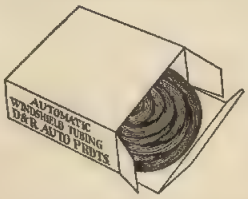
DASH MODEL

8-day, rim wind, rim set. Finish—all nickel. Dial—white with black numerals. Regular—on back. Installation—drill two 3/16 in. holes corresponding to posts on back. Insert clock from front and tighten nuts behind the dash. Diameter—2½ inches overall.

Empire. Dash Model. Plain Dial. Wt., 8 ozs. .....Each $17 50

Empire. Dash Model. Luminous Dial .....Each $17 50

VACUUM TUBING.

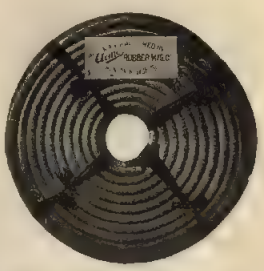


For use on Vacuum automatic windshield cleaners.

Vacuum Tubing .....Foot $0 10

RUBBER TUBING.

CLOTH INSERTED.



Cloth inserted tubing with red cover, white tube and friction. A strong tubing for water, air, barbers' spray and bicycle pumps, etc. Comes in 50-ft. lengths; will cut.

RED.

1/4 In. C. I.	3 ply.....Foot	**$0 15**
5/16 In. C. I.	3 ply.....Foot	**16**
3/8 In. C. I.	3 ply.....Foot	**18**
1/2 In. C. I.	3 ply.....Foot	**20**

Above sizes are inside diameters.

PLAIN WHITE.
In Coils of About 50 feet.

5/16 in. diameter opening; 1/16 in. wall .....Foot **$0 07**

3/8 in. diameter opening; 1/16 in. wall .....Foot **$0 08**

1/2 in. diameter opening; 1/16 in. wall .....Foot **$0 13**

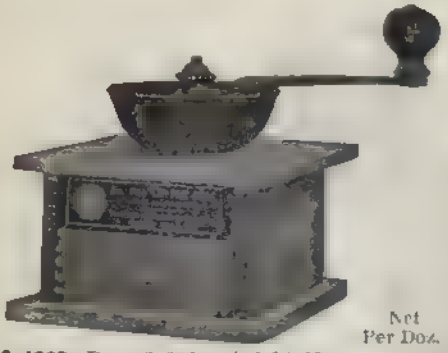
METALLIC TUBING.

Asbestos Packed.

Flexible metallic tubing is used for carburetor hot air connections, car heaters, etc.

Inside Diam.	Outside Diam.	Feet
½	39/64	$0 12
¾	27/32	18
⅞	31/32	22
1	1 1/16	23
1¼	1⅜	26
1½	1⅝	30
1¾	1⅞	40
2	2⅛	45

COFFEE MILLS.



Net Per Doz.

NO. 1088—Base 6x6 in., height 3⅞ in., capacity ¼ lb., japanned iron hopper, wood drawer, weight 38 lbs. per dozen $11 20

HALF DOZEN IN A CASE

Net Per Doz.

NO. 999 Base 6⅝x6⅝ in., height 7⅛ in., capacity 1 lb., round cornered box, screw top, bronzed crank and side handle, hopper inside case, tin drawer, weight 60 lbs. per dozen..... $18.50

HALF DOZEN IN A CASE

Net Each

NO. 500 Two 12½ inch wheels, iron hopper holds 2 lbs. of coffee; finished in vermilion and gold; capacity 1 lb. per minute..... $50.00

Net Each

NO. 900 Iron hopper, grinds 8 lbs. per minute, diameter of wheels 20 in . . $70.00

Net per doz.

NO. 147—Base 7x7 in., height 15½ in., gold bronzed body, iron hopper, weight 60 lbs. per dozen..... $21.00

HALF DOZEN IN A CASE.

Net per doz.

NO. 705—Base 6x6 in., height 4⅝ in., gold bronzed top, iron hopper, handsomely finished box, with side handle, weight 64 lbs. per dozen..... $22.00

HALF DOZEN IN A CASE.

No. 014 No. 077

Net per doz.

NO. 077—Height 13⅜ in., japanned cast frame, embossed canister iron cup, screws to wall, capacity 1 lb., weight 60 lbs. per dozen..... $25.00

NO. 014—Universal, all metal

HALF DOZEN IN A CASE.

Net per doz.

NO. X Ray Hardwood frame hopper, glass front, japanned cast dust proof cover, high speed grinders with lock nut adjustment, japanned cast cup, capacity 1 lb., weight 54 lbs. per dozen $20 50

HALF DOZEN IN A CASE.

No. 3

No. 175

Net per doz.

NO. 3—Crystal, height 16½ in., japanned frame, nickel plated screw cap, bright glass canister and tumbler, has adjustable cup bracket in which any size tumbler may be used, capacity 2 lbs., weight 100 lbs. per dozen $29.00

HALF DOZEN IN A CASE

NO. 21 Extra Cups, for above..... 1.80
NO. 22—Extra Canisters, for above.. ..... 4.50

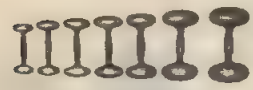
NO. 175 Crystal Wall Mill 26.00

NO. 449 Parker Crystal Wall Mill 23.00

HALF DOZEN IN A CASE.

Dumb Bells

2 TO A SET



Weights—1. 2. 3. 4 5 6. 8. 10 12 15. 20. 40. 50 and 75 pounds

Well Shaped and Nicely Finished in Black Enamel

Horse Shoes

Regulations size and weight. Correctly designed. Guaranted not to break.

Black and Red Enamel Finish. Packed 1 Set Complete with Pins in a Neat Wood Box.

Official Rules with Each Set

PEDOMETERS

ONE-HUNDRED-MILE

Particularly adapted for sportsmen, hunters, travelers and long distance walkers. Case is nickel finished and highly polished, and in general appearance resembles a small sized gentleman's watch. The movement, too, is like a watch, the pendulum within swings to the rhythm of the stride, ticking off the steps as a watch ticks off the seconds, and the hand points out the miles walked. The hand can be set backward or forward, as desired, by simply removing back of case and turning set screw Fully guaranteed

No. 100

Each

No. 100. . .. $

Quoits

4 TO A SET

Sizes—1½. 2. 2½. 3. 3½ 4 pounds

Made in Correct Models and Weights

Black and Red Enamel Finish

Two Black and Two Red Quoits furnished with each Quoit Pins—Length 11¾ inches diameter

Shots

Weights—5, 8, 12, and 16 pounds

Correct Size and Weights

COMPASSES

Aluminum Floating Dial, Plainly Figured and Lettered. Bevel Crystal Glass Stop Arrangement to Lock Needle and Dial When Not in Use.

Each

No. 2912 Flodial ....

FLAG POLE BRACKETS OR HOLDERS

Per Dozen

No. F—8 Holder .....
No. T—8 Holder .....

Enterprise No. 5

Strong, Durable and Attractive. Tinned.

Diam., Ins., ... 1½ 1¾
Per Dozen...

Acorn Gift Shop

Doorstops

N72657

N72658

N72659

Each

N72657—BASKET DOOR STOP—Made of cast iron, brightly enameled in full natural colors. The basket is on white, mounted on a low green base. The flowers are in pink and yellow. The stop has a felt covered bottom. Height, 7 inches 2.80

N72658—FLOWER POT DOOR STOP—Poppies and cornflowers, hand painted in natural colors, form the design for this attractive door stop. Made of heavy cast iron. Felt bottom. Size, 7¾x6¾ inches 3.00

N72659 DOOR STOP. A low, colored bowl contains a beautiful bouquet of daisies in bright natural colors. Made of heavy cast iron with felt covered bottom. Size, 7¾ inches high, 6 inches wide. 3.00

N72660

N72661

N72662

Each

N72660—FLOWER POT DOOR STOP—Made of heavy cast metal, hand-painted in flowers, leaves, pink, light blue and red. Black and white striped flower pot. Felt bottom. Size, 6x6¼ inches 3.00

N72661—PARROT DOOR STOP—Made of heavy cast metal and enameled in original colors of yellow, orange and blue. Felt bottom. Size, 4¾x8 inches 3.50

N72662—CAT DOOR STOP. Large black or white angora cat seated on a brightly Lated cushion. The bow around the cat's neck matches in color of the cushion. Made of heavy cast iron with felt covered bottom. Height, 8 inches 3.80

N72663

N72664

N72665

Each

N72663—POLICE DOG DOOR STOP—A copy of a famous police dog in an erect position. Cast from a metal composition and finished in a beautiful antique brass Felt covered bottom. Width, 5¾ inches, height, 8½ inches 3.50

N72664 DOG DOOR STOP—An exact image of a wire-haired Fox Terrier, very Lifelike. Finished in natural colors with black and brown markings. Felt Bas. Finish, antique brass. Size, 11x8 inches 3.00

N72665—PUPPO BANK Serves both purposes at once—a bank and a door stop. A surprised puppy in watching the actions of a boy with growing suspicion. Finished in natural colors. Felt bottom Made of cast iron. Size, 10x8 inches 2.00

Door Knockers

N72665

N72666

N72667

Each

N72665—DOOR KNOCKER—Yellow flower basket with gay hand-painted flowers. White background Made of cast iron with felt back. Size, 4x7 inches 2.50

N72666—PARROT DOOR KNOCKER—Brightly painted in natural colors with light green border Size, 7x4½ inches 2.80

N72667—DOOR KNOCKER Red and black woodpecker on brown iron trunk. Made of cast metal Size, 4x2 inches 2.50

Desk Sets

N70480

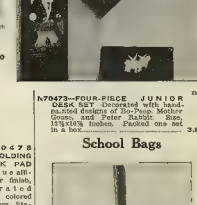
Each

N70480—SIX-PIECE DESK SET—Blue alligator finish Cloth Size, 12¾x19 inches Packed one set in a box 10.00

N70479

Each

N70479—FOUR-PIECE DESK SET—Black patent cloth decorating with novelty designs, hand painted. Size, 11x16½ inches. Packed one set in a box 3.00


N70473

Each

N70473—FOUR-PIECE JUNIOR DESK SET Decorated with hand-painted designs of Bo-Peep, Mother Goose, and Peter Rabbit. Size, 12¾x16¾ inches. Packed one set in a box 3.00

Desk Pad

N70478

N70478 - FOLDING DESK PAD Blue alligator finish, decorated with colored flowers. Stationery pockets are concealed under the folding covers. Size, 10x12½ inches. Packed one pad in a box. Each... 6.00

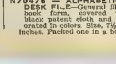
School Bags

N70470

Each

N70470—CHILDREN'S SCHOOL BAGS—Lined with gay lettered stripes and with white leather oval cut-outs, appliqued words and hand-painting Assorted designs Size 12x12½ inches. Packed one set in a box 2.00

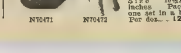
Desk File


N70476

Each

N70476 — ALPHABETICAL DESK FILE—General file in green Size, 7¾x4¾ inches Made patent cloth and decorated in colors. Size, 7¾x4¾ inches. Packed one in a box. 2.50

Chinaman Pencil Sets


N70471 N70472

N70471 -CHINAMAN PENCIL-SETS—Neat, cloth bag, decorated with pictures of Chinamen and Chinese writing. Contains pencil, pen, ruler, and eraser Assorted designs Size, 12x16½ inches Packed one set in a box Per doz. 12.00

N70472 — PETER RABBIT PENCIL SET—Black velvet cloth bag, cut in the shape of a rabbit and hand-painted in bright colors. Contains pencils and pen. Size, 10½x13½ inches Packed one set in a box. Per doz. 12.00

SKATING OUTFITS

NESTOR JOHNSON

North Star

High carbon steel blades. One piece cold drawn seamless steel front cup riveted to solid plate. Double stitched reinforced cowhide leather shoes, moulded solid leather arch supporting counter that comes forward under the instep and gives unvarying support to the foot when skating. Equipped with patented rib on runner tube, strong and rigid; runner cannot spring or bend. Furnished in full sizes only: 6, 7, 8, 9, 10 and 11.

Illustration shows racer model.

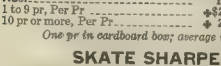
State size and specify whether for men, boy, ladies or girls when ordering, also state whether Hockey or Racer model is desired.

Nos.	Aluminum Finish 110	Nickel Plated Finish 111
1 to 9 pr, Per Pr	✤$22 50	✤26 25
10 pr or more, Per Pr	✤ 21 75	✤25 50

One pr in cardboard box; average wt per pr 4 lbs.

SKATE SHARPENERS

UNION HARDWARE CO.



Steel slides, with **handle and file center.** Fits snugly over the runner of any ice skate, and can be conveniently carried in the vest pocket. Always ready for use; no springs; no adjusting.

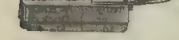
Per Doz

No. 1S—Size file 2¼x⅜ in; length over all 3½ ins. $6 00

One in cardboard box; wt per doz 8 lbs.

POLICE GOODS

BILLETS



Bissel's Improved Flexible—Black or russet leather, braided over a coiled steel spring core; wrist strap securely fastened to core. 7½ ins. long. Per Doz

No. 3B—Black leather; wt each 7½ ozs $22 35

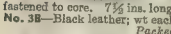
Packed loose.

Black leather; sewed leather covered solid lead head; flexible steel wire spring core; body braided, wide sliding leather loop.

Per Doz

No. 1—Length 8 ins; wt each 8 ozs $19 50

Packed loose.

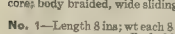


Tan and black leather; leather covered solid lead head; flexible steel wire spring core; body braided, stationary loop securely fastened to core.

Per Doz

No. 5—Length 9 ins; wt each 9 ozs $33 00

Packed loose.



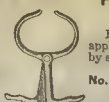
Russet leather; extra heavy leather covered solid lead head; flexible steel wire spring core; body braided, wide sliding calf leather loop. Per Doz

No. 8—Length 8 ins; wt each 7 ozs $39 60

Packed loose.

✤**F. O. B. Illinois Factory Only.**

POLICE GOODS



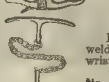
NIPPERS, PHILIP'S

Forged steel, nickel plated. Readily applied with one hand, and locked securely by spring under handle.

Each

No. 19—Wt each 4½ ozs $4 20

Half doz in cardboard box.



CHAIN NIPPERS

Forged steel, nickel plated; carefully welded links; very effective by putting around wrist and holding both holds in one hand.

Each

No. 14—Wt each 4½ ozs $1 74

Half doz in cardboard box.

HAND CUFFS

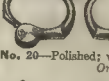
Tower's Bean's pattern; extra light weight, adjustable.

Locks can be set so that cuff is always open ready. Release catch at back of lock and the cuffs can be operated quickly.

Per Pair

No. 20—Polished; wt per pair 12 ozs $15 75

One pair in cardboard box.



The double lock is two secure tumbler locks, one self locking, the second locked with a key. Same key unlocks both, by turning twice around in the same direction. Forged steel; welded links.

Per Pair

No. 10—Polished $15 75

One pair in cardboard box; wt per pair 17 ozs.

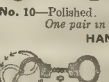
HAND CUFFS, PEERLESS

Best quality drawn steel, highly polished and nickel plated. Automatic continuously revolving, self-locking adjustable jaws, single or double locking and can then be locked in a fixed position, if desired, by one complete turn of the key. Per Doz Pair

No. 1P—Wt per pair 12 ozs $322 50

One pair in cardboard box.

LEG IRONS

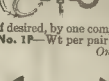


Tower's Double Lock—The double lock is two secure tumbler locks, one self locking, the second locked with a key. Same key unlocks both by turning twice around in same direction. Forged steel; welded links. Per Pair

No. 50—Polished $23 10

One pair in cardboard box; wt per pair 8 lbs.

LEG IRONS WITH BALL AND CHAIN



Solid cast iron balls, japanned Tower's double lock irons, fitted with 3 ft. of chain; polished. **Balls and chain fitted to irons after order is received.**

Balls Only.

Nos.	1B-12	1B-15	1B-18	1B-22
Wt each, lbs	12	15	18	22
Per Lb	$0 26	26	26	26
Nos.	**1B-25**	**1B-28**	**1B-32**	**1B-40** **1B-50**
Wt each, lbs	25	28	32	40 50
Per Lb	$0 26	26	26	26 26

Leg Irons Only.

No. 1L1—For one leg; wt each 1½ lbs. Each $11 25

No. 2L1—For two legs; wt per pair, 31 lbs. Per Pair $22 50

Chain Only. Per Lb

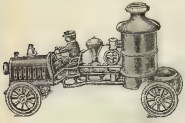
No. 1C0—Length 3 ft, unless otherwise specified; wt per 3 ft of chain 2¼ lbs $0 48

Packed loose.

Automobile Fire Engine

Per doz.

N74443—AUTO FIRE ENGINE—Made of cast iron, finished in bright enamel colors, red, yellow and gold. Has driver on front seat. Length, 6 inches. Packed ¼ dozen in a box, not broken 4.20



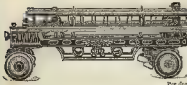
Per doz.

N74444—AUTO FIRE ENGINE—Has driver. Made of heavy cast iron, painted in red, yellow and gold. Length, 8¼ inches. Packed ¼ doz. on in a box, not broken..... 8.00

Automobile Hook and Ladder

Per doz.

N74445—AUTO HOOK AND LADDER—Has driver on front seat. Made of cast iron, finished in red with contrasting wheels, has two ladders. Length, 7 inches. Packed ¼ dozen in a box, not broken..... 4.20



Per doz.

N74446—IRON AUTO HOOK AND LADDER—Two firemen, red body, yellow wheels and two ladders. Length, 11½ inches. Packed ¼ dozen in a box, not broken..... 8.00

Toy Lawn Mower

Per doz.

N74480—LAWN MOWER—Iron wheels, with revolving cutter. Wooden handle. Length, 20½ inches. Packed one dozen in a box, not broken 4.00

Per doz.

N74481—LAWN MOWER—Iron wheels with revolving cutter. Length, 25 inches. Width 8 inches. Packed one dozen in a box, not broken 8.00

Per doz.

N74482—LAWN MOWERS—Same as N74481, excepting length, 31 inches 16.00

Enameled Gas Ranges

Per doz.

N74456—GAS RANGE—Made of cast iron with one utensil. Finished in light blue enamel, white panels on doors. Size, 6x6½x8¾ inches. Packed one in a box..... 8.00

Per doz.

N74457—GAS RANGE—Made of cast iron with two utensils. Finished in light blue enamel, white panels on doors. Size, 6¾x8x8¾ inches. Packed one in a box..... 15.00

Per doz.

N74458—GAS RANGE—Made of cast iron with two utensils. Finished in white enamel, blue panels on doors. Size 6¾x8x8¾ inches. Packed one in a box 18.00

Each

N74469—GAS RANGE Made of cast iron with two utensils. Finished in white enamel, blue panels on doors. Size, 8¾x8¾x8 inches Packed one in a box..... 2.00

Each

N74460—GAS RANGE—Made of cast iron with two utensils. Finished in white enamel, blue panels on doors. Size, 8¾x8¾x8 inches. Packed one in a box 3.00

Matched Kitchen Toys

These six pieces are intended to be used together. They are replicas of standard lines of kitchen equipment

Kitchen Sink

Per doz.

N74465—KITCHEN SINK—An exact duplicate in miniature of the widely used Crane Kitchen Sink, sturdily built of cast iron, handsomely enameled in white enamel. Size, 5x8x7 inches. Packed one in a carton..... 12.00

Refrigerator

Per doz.

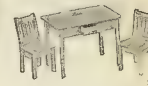
N74047—REFIGERATOR—The doors open and close. A small cake of ice (glass) is supplied for the ice chest. Size, 6¾x6¾x8¾ inches. Packed one in a carton..... 16.00

Kitchen Cabinet

Per doz.

N74050—KITCHEN CABINET—A miniature of the famous Boone Kitchen Cabinet, with doors and drawers that open and enameled bread board. Height, 8¼ inches. Packed one in a carton..... 28.00

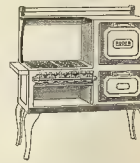
Table and Chairs



Per doz.

N74048—KITCHEN TABLES AND CHAIRS—The table has a drawer that pulls out, the chairs are plain straight backs, all three pieces baking beautifully enameled in white. Size of table, 5x5x4½ inches. Height of chairs, 4 inches. One table and two chairs packed individually in paper cartons..... 12.00

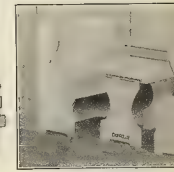
Gas Range



Per doz.

N74051—ROPER GAS RANGE—A four-burner range with oven and warming cabinet, made of white enameled cast iron. Removable plates. Comes complete with skillet and broiling pan. Oven doors open. Size, 6x7½x9½ inches..... 16.00

Breakfast Nook



Per doz.

N74049—BREAKFAST NOOK FURNITURE—Two benches and table, sturdily made of cast iron and handsomely enameled in white. Size of table, 7x4½ inches. Size of benches, 4½x2¾x3¾ inches. Packed one set in a carton..... 16.00

White Enameled Gas Range

Each

N74461—GAS RANGE—Made of cast iron with two utensils. Finished in white enamel, blue panels on doors. Size, 8¾x9¾x4½ inches. Packed one in a box..... 4.00

Household Toys

Matched Bathroom Toys

74086 74085

74086—CRANE CLOSET—Finished in white lacquer. Height, 5 inches. With 2½in swivel, height, 2¼ inches. Packed one in a paper carton. Per doz. 5.60

74085—CRANE LAVATORY—Toy pedestal lavatory to finish in white lacquer. Size, 3¾ inches high, base 1¾ inches square and top is 2¾x3¾ inches. Packed one in a paper carton 6.50

74057 74054

74057—BATH STOOL—Finished in white lacquer. Size, 1¾x1 inches. Packed one each in a paper carton ..... Per doz. 2.40

74054—CORNER BATH—Finished in white lacquer. Size, 2¾x1⅞ inches. Packed one in a paper carton 12.00

Toy Sad Irons

74482 74484

74482—BABY IRON—Black wood handle. Solid iron core, painted a glossy bronze. Highly polished bottom. Weight, 3 ounces. Size, 3½ inches long. Packed one dozen to a carton, not broken ..... Per doz. 1.60

74484 74485

74484—TOY IRON—Sliding lock solid iron core, polished nickel plated in black enamel wood handle. Length, 3½ inches. Packed one dozen in a box, not broken ..... Per doz. 2.40

74485—LACE IRON—Nickeled steel cover and black wood handle. Sliding lock with enameled wooden stock, polished solid iron core which is silver plated. Weight, 14 ounces. Base 4¼ inches long. Packed one in display carton.. 4.00

74486 74487

74486—LADY DOVER TOY IRON—Black enameled wood handle, flat handle support with plug receptacle, nickeled hood and highly polished solid core. Weight, 14 ounces. Base, 3½ inches long. Packed one in a display carton .. Per doz. 4.00

74487—SLEEVE IRON—A full nickeled iron. Removable steel hood and black enameled handle and positive locking device. Aluminum painted. Pattern Miglia established. Weight, 39 ounces. Base, 5 inches long. Packed one in display carton ..... Per doz. 8.00

Toy Electric Irons

74923 74924

74923—BETSY ROSS TOY ELECTRIC IRON—Low heat iron for toy purposes only. Nickel plated top, polished base, complete with cord and plug. Size, 2¾x1¼ inches. Weight, ¾ lb. ..... Each 1.80

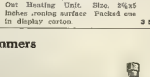
74924—BETSY ROSS TOY ELECTRIC IRON—Low heat iron for toy purposes only. Bevel base, full nickel plated. Complete with cord and plug. Size, 2¾x1¼ inches. Weight, 1 lb. ..... Each 1.80

74925 74488

74925—BABY BETSY ROSS ELECTRIC IRON—Wet sock, full nickel plated. Regular heat for light ironing, handy for travellers. Complete with cord and plug. Size, 4¼x1⅝ inches. Weight, 1¼ lbs. ..... Each 3.30

74488—DOVER BOUDOIR IRON—Has the famous Dover No Burn-Out Heating Unit. Size, 5¾x3½ inches. Ironing surface. Packed one in display carton ..... Each 3.50

Toy Hammers



74716 74718

74716—TOY HAMMER—Silver finish, waxed hardly of hard wood. Length, 11 inches. Weight, 4 ounces. Packed one dozen in a box, not broken ..... Per doz. 1.60

74717—TOY HAMMER—Nickel plated, waxed wood handle. Length 11 inches. Weight, 8 ounces. Packed one dozen in a box, not broken 2.40

74718—TOY HAMMER—Nickel plated. Black enameled handle. Length, 12 inches. Weight, 21 ounces. Packed one dozen in a box, not broken ..... Per doz. 4.00

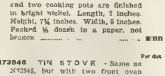
Tin Stoves

74016

74016—TIN STOVE—Has gilt door and two nickel tin cooking pots. Width, 4½ inches, depth, 3½ inches, height, 3¾ inches. Packed ½ dozen in a package, not broken ..... Per doz. 4.00

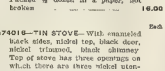
74945

74945—TIN STOVE—Painted in black imitation brick supported on four legs. Front oven door opens and is finished in bright nickel with porcelain handle. The water kettle and two cooking pots are finished in bright nickel. Length, 7 inches. Height, 7½ inches. Width, 6 inches. Packed ½ dozen in a paper, not broken ..... Per doz.



74946

74946—TIN STOVE—Same as N7945, but with two front oven opening doors. Length, 8¾ inches. Height, 8 inches. Width, 6 inches. Packed ½ dozen in a paper, not broken ..... Per doz. 16.00



74019

74019—TIN STOVE—With enameled black sides, nickel top, black door, nickel trimmed, black chimney. Top of stove has three openings on which there are three nickel utensils consisting of round pot, pot with handle and tea kettle. Has an opening on the side for holding an alcohol lamp with two burners. Length, 7¼ inches; width, 5 inches, height, 4 inches. Packed three in a box, not broken ..... Each 2.00

74017

74017—TIN STOVE—Nickel feet, japanned black sides with nickel top, two doors nickel trimmed and porcelain handles. Chimney black japanned. Nickel top has four openings on which there are four utensils consisting of two round pots, one pot with handle and one tea kettle. Opening on the side for alcohol lamp with two burners. 8¾ inches long, 6¾ inches wide and 9 inches high. Packed one in a package ..... Each 3.00

Electric Stoves

74078

74078—ELECTRIC RANGE—Cooks and bakes the same as any big range. Made of heavy gauge steel, finished in black enamel trimmed with white enamel panels and nickel plated door frames and legs. Equipped with set of aluminum utensils. No danger of fire. Cook book included. Size, 12¾x13x6 inches ..... Each 12.00

74079

74079—ELECTRIC STOVE—Made of heavy gauge steel, black enamel finish with white enamel trimmings. Equipped with aluminum cooking utensils. Size, 12x13x7 inches. Each 16.00

Hatchets

74712 74713

74712—TOY HATCHET—Polished blade, gold bronze, waxed handle. Weight, 4½ ounces. Length of handle, 5¾ inches. Size of head, 3x2 inches. Packed one dozen in a box, not broken ..... Per doz. 1.80

74713—TOY HATCHETS—Polished blade, gold bronze head, waxed handle. Length of handle, 11 inches, weight, 10 ounces. Size of head, 4¾x3 inches. Packed one dozen in a box, not broken..... Per doz.

Boy Scout Axes

74714 74716

74714—BOY SCOUT AXE—Hard wood handle length, 9 inches. Blade painted head. Size, 2¾x1⅝ inches. Weight, 5 oz. Packed one dozen in a box, not broken ..... Per doz. 1.60

74716—BOY SCOUT AXE—Hard wood handle. Black painted head. Length, 12 inches long. Size of head, 4¾x2¼ inches. Packed ½ dozen in a box not broken ..... Per doz. 4.00

133 Screen Four Color Process Plates

A MAGAZINE COVER

Reproduced from Tempera painting in colors. Halftone negative of Title surprinted to register

Engraved by OAKLAND NATIONAL ENGRAVING COMPANY, OAKLAND, CALIF.

Four Color Process Plates -133 Line Screen

THE FIRST ENGRAVER

Painting by W. H. HINTON of Barnes-Crosby Art Studio

This insert of sixteen pages, designed and engraved by Barnes-Crosby Company, Chicago -St. Louis

MAIL ORDER CATALOG PAGE

Engraved by BARNES-CROSBY COMPANY, Chicago

Celluloid Toys and Favor Toys

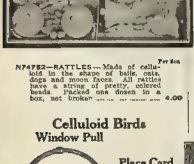
Celluloid Rattles

Per doz.

N74268—RATTLES.—Rattles in the shape of boy, girl, dog and comical faces. Equipped with tube handles and teething rings. They have movable, rolling eyes that will not break, and are highly polished. Packed one dozen assorted in a display box..... 4.00

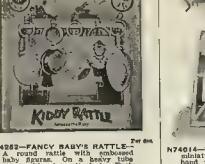
Per doz.

N74265—RATTLES.—A rattle assortment consisting of boy, girl and comical characters. They have tube handles and teething rings. All hand painted with bizarre or floral decorations and tied with pink or blue ribbon. Packed one dozen in a box, not broken..... 4.00



Per doz.

N74782—RATTLES.—Made of celluloid in the shape of bells, cats, dogs and moon faces. All rattles have a string of pretty colored beads. Packed one dozen in a box, not broken..... 4.00



Per doz.

N74282—FANCY BABY'S RATTLE—A round rattle with embossed baby figures. On a heavy tube sleeve with ring attached. Each rattle is tied with a ribbon bow. The colors are pink and white and blue and white color combinations. Length, 5 inches. Packed one dozen in a box, not broken..... 4.00

N74283—PUNCH AND JUDY RATTLES—Rattles with embossed patterns of boy, girl and other figures. Various color combinations. Size, 6¼ inches. Packed one dozen assorted rattles in a box, not broken..... 4.00

Per doz.

N74267—BEADED TOY—A toy which consists of a cat, dog, boy and girl faces. They are strung with many brightly colored beads for arms and legs. Packed one dozen assorted to a box, not broken..... 4.00

Per doz.

N74268—BEADED TOY—A large beaded toy assortment. Consists of large celluloid dolls with comical bodies. The arms and legs are made of brightly colored beads strung on fine wire. They are hand decorated. Packed one dozen assorted in a box, not broken..... 8.00

Toy Derrick

Per doz.

N74014—TIN TOY DERRICK—With miniature trunk. In operated by hand with a crank so that the trunk can be raised or lowered at will. The trunk is mounted on a sort of swivel arrangement so that it may be turned. Painted in a gay finish. Height, 6¾ inches. Packed two dozen in a box, not broken..... 1.80

Toy Negro Dancer; Dancing Girls

Per doz.

N73993—TIN TOY NEGRO DANCER—Operated by hand. The figure is lithographed in attractive color on a colored tin base called "Happy Joe." Height 8½ inches. Packed one dozen in a box, not broken..... 1.80

N73982—TIN TOY DANCING GIRLS—Lithographed in bright attractive colors. Operated by the turning of a crank, causing the figures revolve on the table top. Height, 4 inches, not broken. Packed three dozen in a box, not broken..... 1.80

Steeple Chase

Per doz.

N73984—TIN TOY STEEPLE CHASE—Operated by hand with a crank. Has two galloping horses, and as they approach the steeples jump over them and in that way crutch a very realistic appearance. The base is painted green. Size, 3¼x8 3/8 inches. Packed two dozen in a box, not broken..... 1.80

Tin Toy Train

Per doz.

N73985—TIN TOY TRAIN. A tin toy train placed upon a platform. Runs in a circle. It is operated with ratchet movements. Equipped with decorated tunnel and station. Size, 3¼x8¾ inches. Packed two dozen in a box, not broken..... 1.80

Traffic Cop

Per doz.

N73987—TRAFFIC COP—Figure of policeman made of tin carrying a Stop and Go sign. Operated by pressing a lever, in which case the figure turns and the sign changes. Lithographed and finished handsomely in attractive colors. Size, 7 inches. Packed four dozen in a box, not broken..... 1.80

Tin Toys

Per doz.

N73985—Comic Face—Lithographed tin comic face of hair headed man. A handle made of spring wire is fastened to the metal head and by pressing the handle the features of the head change. A new nose and new eyes appearing each time. Length of toy, 6 inches. Packed four dozen in a carton, not broken. Per doz. 1 80

Per doz.

N73989—CROSS-EYED MOON—Made of highly lithographed colored tin in the shape of a full moon. By pulling the string which hangs from the bottom of the figure, the man in the moon becomes cross-eyed. This toy may be worn on a coat lapel for there is a pin for fastening. Size, 3 inches. Packed three dozen in a box, not broken 1 80

Transparent Slates

Per doz.

N73979—TRANSPARENT SLATE—With lithographed picture border. Size, 7x9⅛ inches. On a triangular wood easel, length, 9½ inches. Packed 3/8 dozen in a box, not broken..... 4.00

N73980—TRANSPARENT SLATE—Same as N73979 excepting size, 9¼x13 inches, and the easel is 12 inches long. Packed ¾ dozen in a box, not broken..... 8.00

Celluloid Birds

N74282

Per doz.

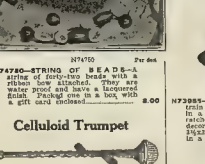
N74282—DECORATIVE WINDOW PULL.—Ring of celluloid with revolving parrot also made of celluloid. Finished in many pleasing and attractive color combinations. Ring is 3 inches in diameter. Size of parrot, 3½ inches. Packed one dozen assorted in a box, not broken..... 1.80

Window Pull

Place Card Holder

N74281—PLACE CARD HOLDERS—Balancing birds or place card holders. They are really attractive and are finished in the following colors, pink, yellow, blue, green and cerise. Size, 3½ inches. Packed two dozen in a box, not broken..... .30

Necklace



N74700

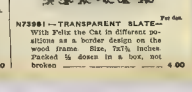
Per doz.

N74700—STRING OF BEADS—A string of forty-two beads with a ribbon bow attached. They are water proof and have a lustrous finish. Packed one in a box, with a gift card attached..... 2.00

Celluloid Trumpet

Per doz.

N74288—LONG TRUMPET—An extra long trumpet. Has perforated end which contains shot, so that it can be used as a rattle. Fitted with cord and tassel. Finished in white and certes color combinations. Size, 13½ inches. Packed one dozen in a box, not broken..... 4.00



Per doz.

N73981—TRANSPARENT SLATE—With Polly the Cat in different positions as a border design on the wood frame. Size, 7x9⅛ inches. Packed ¾ dozen in a box, not broken..... 4.00

Ukuleles and Celluloid Toys

Schoenhut's Xylophone

Per doz.

N74310—XYLOPHONE Made of maple wood, eight bars. Tuned to concert pitch 10.00

Banjo Ukuleles

Per doz.

N74340—BANJO UKULELE—Round hollow, all wood head, diameter, 8 inches Natural wood finish Silk strings, wooden bridge. Fret markings. Length 24½ inches Packed one in a box..... 6.00

Per doz.

N7434 | —HAWAIIAN STYLE UKULELE—Hollow, all-wood head, good resonance, natural wood finish. Wooden pegs, silk strings. The neck has ragulsi frets. Can be played like a real instrument. Size of head, 6x7½ inches. Length, 17½ inches Packed one in a box 10.00

Per doz.

N74343—TOY BANJO UKULELE—Flat wood rim, calf-skin head with nickel-plated ring. Wooden pegs, silk strings, wooden bridge. Size, 3½x5½ inches 18.00

Each

N7434 | —HAWAIIAN STYLE UKULELE—Hollow, all wood head, good resonance, mahogany color finish. Wooden pegs, gut strings. The neck has ragulsi frets Can be played like a real instrumenl. Size of head, 6x9½ inches. Length 20½ inches Packed one in a box..... 2.00

Each

N74364—BANJO UKULELE—Plain wood rim, calf-skin head held by nickel-plated rim, black wood pegs silk strings Size, 7x19 inches 3.00

Each

N74348—BANJO UKULELE—Plain wood rim, calf skin head held by nickel-plated rim, four black wood en pegs Finished in clear natural wood, high gloss Silk strings. Size, 7x17 inches 3.75

Each

N74346—UKULELE BANJO Best hardwood rim, diameter, 7 inches. Finished in high gloss clear natural wood finish. Fine brackets and metal rings All metal parts are nickel-plated and polished. Patent pegs, black head fibre inlays. White celluloid fret board. The entire instrument is equipped with adjustable metal wedges to tighten head and neck together A key is furnished for adjusting the brackets. Length, 25¼ inches. Packed one in a box..... 7.00

Flexatones

Per doz.

N74772—FLEXATONE Made of all metal with exception of the wooden clappers Played by tightening tension with thumb on vibrator Size 2x3¼x8 inches ½ dozen in a package. not broken..... 4.00

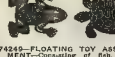
N74773—FLEXATONE—Same as N74772, only a wooden clamp holds vibrator, giving a more resonant tone. Size, 2½x3x9¾ inches. ½ dozen in a package, not broken 8.00

N74774—FLEXATONE—A new musical instrument, easily played, now being featured extensively by vaudeville artists. Size overall, 3¾x8½x11¾ inches 16.00

Celluloid Floating Toys

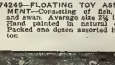
Per grs.

N74249—FLOATING TOY ASSORTMENT—Consisting of fish, ducks and swan. Average size 2½ inches. Each painted in natural colors. Packed one dozen assorted in carton 2.50



Per doz.

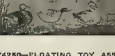
N74280—FLOATING TOY ASSORTMENT — Fish, ducks and swans. Hand painted in attractive colors. Size, 3½ inches. Packed one dozen on a display card representing a pond 1.50



Per doz.

N74251—ASSORTMENT OF FLOATING TOYS—Dolphins, ducks and long necked swans In attractive fancy colors. Average length, 4¾ inches. ½ dozen in a box, not broken 4.00

Celluloid Toys



Per doz.

N74228—FLOATING TOY ASSORTMENT—Consisting of ducks and swans in painted natural colors. Size of ducks, 2x4½ inches. Size of swans, 4x6½ inches. Packed one dozen in a carton 1.50

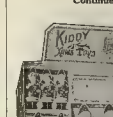
Per doz.

N74256—DOMESTIC ANIMAL TOY ASSORTMENT—Consisting of lamb, dog, cow and horse. Hand painted in natural colors. Average length 3¼ inches. Put up one dozen assorted in a carton 1.50

Per doz.

N74257—DOMESTIC ANIMAL TOY ASSORTMENT—Consisting of lamb, dog, horse and cow. Hand painted in natural colors. Length, 3½ inches. Packed one dozen assorted in a box..... 4.00

Celluloid Toys Continued

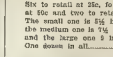


Per set's.

N74284—SANTA CLAUS ASSORTMENT—Painted in bright colors Six to retail at 25c, four to retail at 50c and two to retail at $1 00. The small one is 2½ inches high, the medium one is 7½ inches high and the large one 9 inches high. One dozen in all..... 7 50

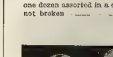
Per doz.

N74284 SOFT DOLLS —Consists of baby, cat and dog faces with movable, rolling eyes, securely attached to a soft, kapok filled body Packed one dozen assorted in a display box, not broken 4.00



Per doz.

N74253—SOFT DOLLS—Boy, girl, dog and cat faces, heads with movable, rolling eyes, securely attached to a soft, kapok filled body. A real bed-time pal for any kiddie. Packed ½ dozen assorted in a box, not broken 8.00



Per doz.

N74251—TEETHING RINGS—Six assorted, pink and blue pastel shades, translucent colors, each with a tassel. Packed six on a card, two cards in a box, not broken 3.50

Pin Wheels

Per doz.

N74892—PIN WHEEL—Celluloid pinwheel in assorted solid colors with chims in center. Mounted on a smooth finished 16 inch waltz pine stick. Pin-wheel is fastened with a white celluloid star, reinforced with a metal washer. In the following colors: Red, White, Blue and Pink. 6½ inches in diameter Packed one dozen in a carton, not broken..... 1.50

N74893

Per doz.

N74893—PIN WHEEL—Two 4 blade pin-wheels fastened one within the other in two colors Red and White, Blue and White, Pink and White. Fastened to 16 inch stalt with contrasting colored celluloid star, reinforced with a steel washer 6½ inches in diameter. Packed one dozen in a carton, not broken..... 1.50

N74891—CELLULOID PIN WHEEL—Three 3 blade propellers mounted on the skree shaft In solid colors: Red, White, Blue. The Red and the Blue one turn to the right and the White one revolves to the left, giving an attractive color pattern. Propellers are 6 inches in diameter, mounted on a 16 inch stick. Packed two dozen in a carton, not broken..... 1.50

Teething Rings

Per doz.

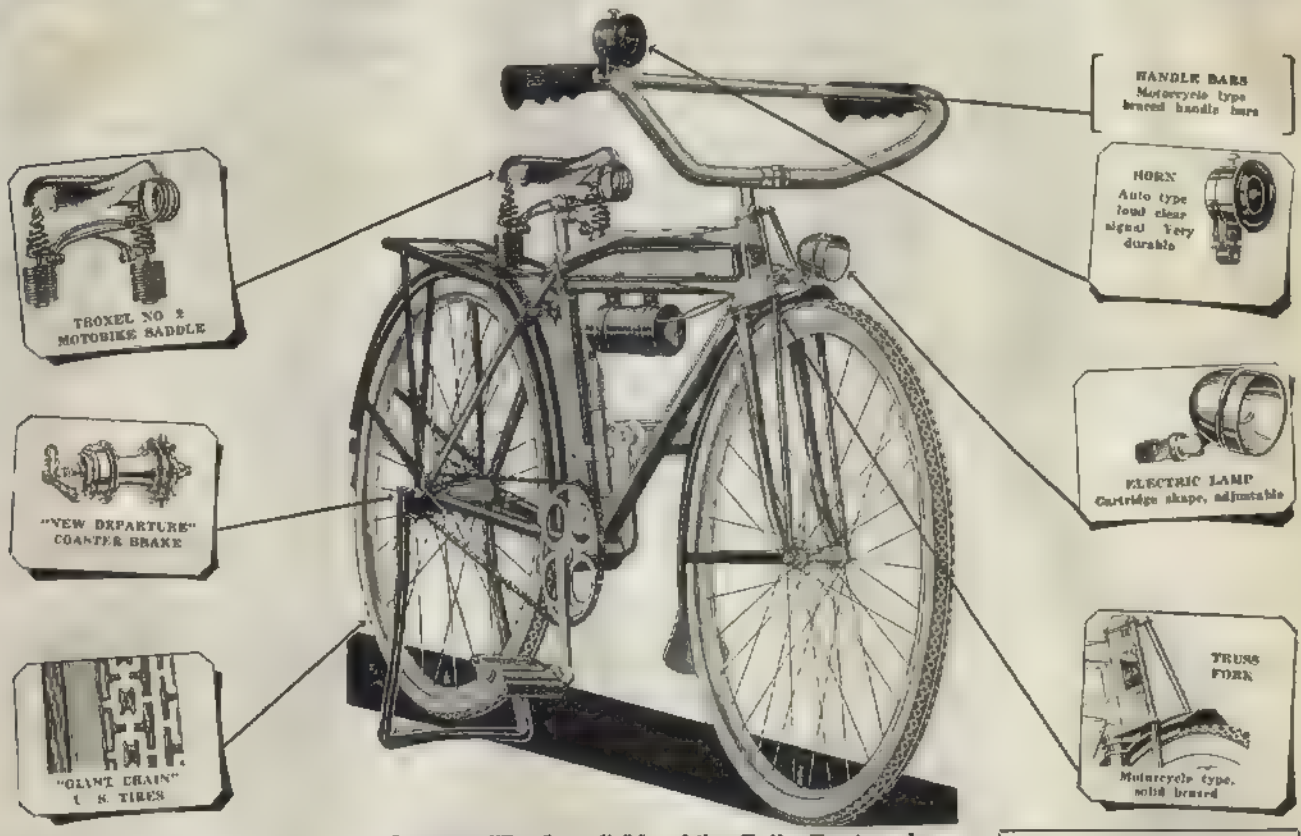
N74286—NEW CLOWN TEETHING RING—Very dainty. Each ring is tasseled pink or blue. Put up ¼ dozen rings on a card. Packed two cards in a box, not broken..... 4.00

Century

BICYCLES

The Standard of Quality

Better construction, better quality and finish, better equipment


TROXEL NO 2 MOTOBIKE SADDLE
"NEW DEPARTURE" COASTER BRAKE
"GIANT CHAIN" U S TIRES
HANDLE BARS Motorcycle type braced handle bars
HORN Auto type loud clear signal Very durable
ELECTRIC LAMP Cartridge shape, adjustable
TRUSS FORK Motorcycle type, solid braced

Finish

The famous "Century" finish is obtained from anti-rust and primary coats, hand rubbed and sanded and then finished with deep rich enamel applied with air brush and then ventilated to a hard glass like surface. Each "Century" is decorated with white spear head, mud guards pinstriped to match.

IMPORTANT

Each "Century" is fitted with a folding and latching channel iron stand.

Century "De Luxe" Motobike Fully Equipped

FOR MEN AND YOUTHS finished in rich sable brown with white trim, "Troxel" No 2 motobike saddle with flat top and spring rubber arm type, horn, electric cartridge lamp, "New Departure" coaster brake, motorcycle type braced handle bars, motorcycle type solid drawn fork, double supported luggage carrier

Construction Features

1 Frame—Best seamless tubing, diamond lug
2 Joints—Finely interlocked lugs
3 Mudguards—Deep stamped motorcycle type
4 Crank Hanger—Drop forged, 3 piece
5 Sprocket—Special design, machined
6 Rims—Waterproof steel, aluminum finish
7 Chain—Roller, 1/2 pitch
8 Cups and Cones—Lathe turned from solid bar and polished

1K1472—MEN'S 28 inch [illegible] Tires. Weight 70 lbs packed. Each **$31.25**

1K1473—MEN'S 21 inch [illegible] Tires. Weight 70 lbs packed. Each **$33.75**

1K1476—YOUTHS', 18 inch frame, 1 3/4 inch Tires. Weight 60 lbs crated. Each **$31.25**

1K1470—Men's "Century" "Perfection" Motobike. Same as 1K1472 but equipped with electric horn, lamp, pump, tank, splasher and luggage carrier. Weight 80 lbs crated. Each **27.75**

Guarantee

Every part is guaranteed for 12 months from date of purchase against defects in workmanship or materials. Any part we find repaired without charge when returned direct to us, transportation charges prepaid. Returns must come through the merchant not the rider. We make no allowance for repairs made locally. Tires are guaranteed for the season in which they are purchased. Tires are not guaranteed against punctures or blowouts.

Century "Scout" Model

Finished in Rich Blue With White Head Spears and Mudguard Panel

GUARANTEED The Century guarantee above applies to all "Scout" model bicycles.

"SCOUT" models have many of the high grade construction features of the "De Luxe" including heavy and [illegible] tubing, [illegible] lugs, [illegible] finishing, United States tires, New Departure front hubs and coaster brakes, motorcycle type saddles, Kelly handle bars and Terrill rubber pedals

BOYS'

1K1465—17 in. seat post, 5 1/2 in. crank hanger, [illegible] in. U. S. cord steel rear. Troxel "Scout" saddle, [illegible] inseam. Weight [illegible] lbs crated. Each **$24.90**

YOUTHS'

1K1463—18 in. seat post, 7 in. crank hanger, 28 in. [illegible] chain tires. Troxel "Top Notch" saddle, the 27 in. tires are [illegible] and larger. Weight 58 lbs crated. Each **$25.00**

GIRLS'

1K1467—17 in. frame. Troxel saddle. 28 in. U. S. Royal steel tires, cord lacing [illegible]. Weight [illegible] lbs crated. Each **$25.50**

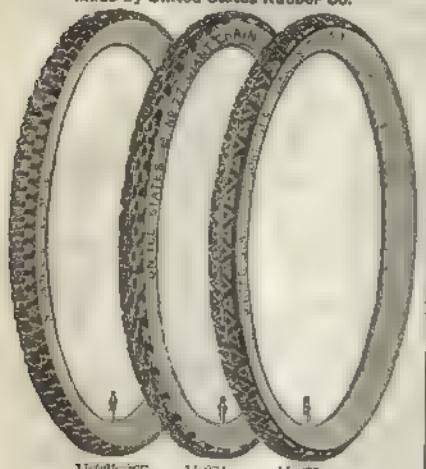
WOMEN'S

1K1462—24 in. [illegible] frame, drop, rich blue with white spear head and mud guard panel. Troxel comfort saddle. Giant balloon tires, cord lacing and [illegible]. Weight 60 lbs crated. Each **$28.70**

BICYCLE TIRES & ACCESSORIES

U. S. GUARANTEED BICYCLE TIRES

Made by United States Rubber Co.



1K965-967 1K974 1K975

Single Tube ... fleur red studded tread

NONSKID

1K965 ... Each **$1.60**

JUVENILE

1K966 ... Each **$1.50**

1K967 24 ... **1.45**

Single Tube ... fleur de lis black tread

GIANT CHAIN No. 27

1K974 ... Each **1.82½**

1K968 ... fits all clincher casings. Each **$2.15**

"TRAXION CORD"—

1K975—28 in., same material as "U. S. Cord" auto tires ... Each **$1.95**

ENDLESS INNER TUBE

1K1026—Heavy gray gum, for use in any clincher casing. 1 in box ... Each **70c**

"BULLDOG" TIRE TAPE

"Bull Dog" Tire Tape—¾ in. fabric, guaranteed to keep 12 months, each roll in box

1K1015—5c roll. 1 on. 32 rolls in display carton

1K1016—10c roll. 2 on. 16 rolls in display carton.

Carton **70c**

TIRE AND RIM REPAIR SUPPLIES

1K1040 1K1043 1K1063

1K1140 — "Dutch Brand," rubber patching cement, 4 in tube, air cured, 1 doz. in box. Doz tubes **40c**

1K1143 "Dutch Brand," rim cement 2 oz. bottle for attaching tire to wood or steel rims. 1 doz. in box. Doz bottles **65c**

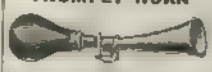
1K1093 "Hold Fast" rim shellac, 3 oz. bottle. 1 doz. in box. Doz bottles **$1.35**

1K1095 — "Never-leak" Heavy gauge tube steel valve stem for pneumatics. 1 doz. in carton. Doz tubes **$2.10**

"Samson" Tire Plug All brass, swivel head, standard, puncture repair. Asstd. sizes.

1K1105—1 doz. in envelope. Doz **40c**

TRUMPET HORN



1K1170 — Trumpet horn ... polished brass bell, black rubber bulb, frame, 1 in. Each **50c**

SUPPLIES AND REPLACEMENT PARTS

"New Departure" Bell — 2 in., nickeled ball-bearing.

1K1215—1 doz. in box. Doz **$2.10**

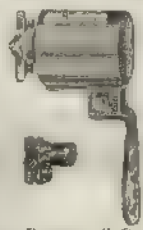
"Swiss" Horn 7 color ... auto type, nickeled brass bell, japanned black composition

1K1128—1 in carton. Each **60c**

"Delta" Electric Lamps — Black enameled, complete with wiring in carton (battery not included)

1K1108—Delta No. 27 ... lens (open) ... each **$1.40**

1K1101 Delta No. 4 in ... automobile lens. Mazda bulb. ... Each **$2.33**



"New Departure" Cyclometer—Nickeled brass, attaches to fork, registers to 10,000 miles.

1K1107 1 in box Each **85c**

"Turrington" Pedals—Ball bearing, nickel plated, rubber cushions. Pair

1K1068—1 pair in box **75c**

Handle Bar Grip—6 in., molded rubber.

1K1041—½ doz. pairs in carton. Doz pairs **$2.00**

Troxel "Top Notch" Saddle Motorcycle type ... tufted, skeleton leather top, heavy coil springs. Each

1K1058—1 in pkg. **$1.25**

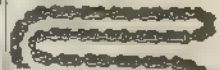
Tool kit: Leather bag, fitted with wrench, oiler, trouser guards and repair kit.

1K1117—1 in carton, Ea **85c**

Replacement Wheels—28 in., No. 8 spokes and nipples. 1 in carton.

1K1046—Front, "New Departure" hub Ea **$2.75**

1K1050—Rear, New Departure" coaster brake 9 tooth ... Each **$6.50**



Roller Chains, Improved high tension steel ... with ... pins ... in ... 1 in pkg.

1K1064 ... in Ea **$0.95**

1K1065—... **1.10**

Luggage Carrier ... 1K1045 ... steel ... leather straps

1K1045—1 in pkg Each **85c**

Telescope Pump 8 in., nickel plated brass cylinders, 3-ply hose, complete with frame clamp.

1K1078—1 in box Each **40c**

"3 IN 1" OIL

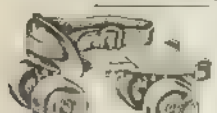
Nationally known and America's favorite ... polishing and ... lubricant.

1K1066—1 oz. bottle, 2 doz. in box Doz **$1.20**

1K1084—3 oz. handy can 1 doz. in box Doz **$2.40**

1K1069—8 oz. bottle. 1 doz. in box Doz **$4.80**

ROLLER SKATES



Union Hardware Co's "Boys'" or "girls'" ... extends ... to fit ... shoe ... with heel strap.

1K3107 Mfrs. ... pair in pkg. Pair **75c**

STAR VALUE **Our Famous "417"** ... extends from ... to fit ... shoe ... all ... parts and toe clamps, heavy foot straps, full ball-bearing wheels, high steel cuff makes skate adaptable for all sizes. Pair

1K3117—1 pair in pkg. **$1.12**

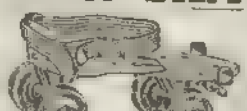
... pairs or more, Pair **1.05**

100 pairs or more, Pair **.98**

"Barel" Keyless Skates—Ball-bearing wheels, keyless ... front clamps, adjusted by ... to fit shoe to full size, color ... foot plates rubber shock absorbers

1K3120—12 pairs to corrugated carton Pair **$1.20**

48 pairs or more, Pair **1.15**



Our "416" Ball-Bearing ... extends from ... to fit ... shoe ... ball ... wheels ... for ... and ... for ... and girls as well as men and boys

1K3116—1 pair in pkg. Pair **$1.18**

50 pcs. or more, Pair **1.16**

100 pcs. or more, Pair **1.12**

"Kokomo" Sidewalk Skates—Extend to all sizes, ball-bearing steel wheels, held in place with red discs, tubular truck support, giving maximum strength, rubber shock absorbers, ... ankle ... cuffs

1K3130 1 pair in pkg. Pair **$1.45**

12 pairs or more, Pair **1.40**

ROLLER SKATE PARTS

1K3106. Keys for Union Hardware and 1K3116 skates. ... Doz **25c**

1K3102 Ball-bearing wheels for Union Hardware and 1K3116 skates ... Each **10c**

1K3102 Keys for 1K3... 1K3117 ... Each **18c**

1K3104 Ball bearing wheels for 1K3117 ... Each **9c**

1K3104 Ball bearing wheels for 1K3120 ... Each **10c**

1K3125 Ball bearing wheels for 1K3121 ... Each **17c**

Union Hardware Co's Ball-bearing Nickel plated ... ball-bearing wheels ... Ladies' or ... Extra ... 1 pair in pkg.

1K3110—(Mfrs. 5) **Men's and boys'**, extend ... to 10½ in. ... Pair **$1.55**

100 pairs or more, Pair **1.45**

1K3111 Mfrs. 6, **Women's and girls'** extends 7¾ to 8¼ in. ... Pair **$1.65**

100 pairs or more, Pair **1.55**

1K3109 Mfrs. ... **Children's**, extends 6¼ to 8¼ in. ... Pair **$1.55**

100 pairs or more, Pair **1.45**

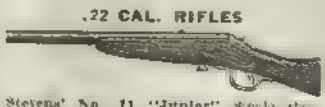
Our "3121" Rubber Wheel—... composition rubber wheels ... ball bearing ... for ... plate ... Ladies' or ... Extra ... and ... 1 pair in pkg. ... Convertible into all sizes for boys or girls.

1K3121—1 pair in pkg. Pair **$2.10**

100 pairs or more, Pair **1.95**

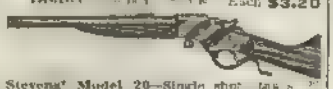
RIFLES, ETC.

.22 CAL. RIFLES



Stevens' No. 11 "Junior" ... takes ... cal. ... cartridges ... round barrel ... rifle front, open rear sight

1K4150 ... Each **$3.20**

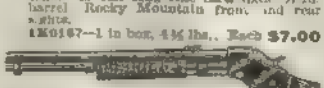


Stevens' Model 20—Single shot ... cal. long rifle cartridges. ... and barrel knife front, open rear sight

1K6184 1 in box 3½ lbs. Each **$4.60**

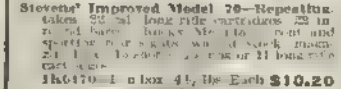
Stevens' No. 17 "Favorite" ... shot ... takes .22 cal. long rifle cartridges ... barrel, Rocky Mountain front and rear sights.

1K6167—1 in box, 4½ lbs. Each **$7.00**



Stevens' Improved Model 70—Repeating ... takes .22 cal. long rifle cartridges ... in round barrel ... Meets ... and sporting ... skins with ... sights ... 24 ... to ... cartridges ... 11 long rifle cartridges

1K6470 ... in box 4½ lbs. Each **$10.20**



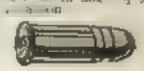
Savage Model "234 Sporter"—Repeating ... takes .22 cal. long rifle cartridges, bolt action, 23 in. round barrel, 1-piece American walnut stock and fore end, pistol grip, knife front and adjustable rear sights, 5-shot detachable magazine

1K6836—... in box 6 lbs. Each **$14.25**

.22 CAL. CARTRIDGES

US

... cartridges that will ... in ... satisfactorily ... in box ... M ...



1K6370 .22 cal. ... short, ... (powder grained)

Per M **$2.75**

1K6377 ... cal. ... long ... Per M **$3.82**

1K6340 ... cal. long rifle ... lubricated ... Per M **$4.46**

1K6382 ... cal. ... shot, ... loaded with ... shot

Per M **$6.94**

BLANKS

US

50 ... box ... M in ...

1K6384 ... cal., ... fire

Per M **$2.25**

1K6685 — .32 cal., ... center fire

Per M **$9.00**

1K6386 .38 cal., center fire

Per M **$11.25**

AN EXCLUSIVE CENTURY IDEA

"CHUCKLES"

"I SIT AND I STAND"

THE NEWEST AND FINEST SMILING BABY

SLEEPING EYES

REAL KID SHOES

FREE "AD" MATS *Send for them.*

CHUCKLES WITH JOY AND HAPPINESS AT BEING ABLE TO "STAND" ALONE *(Pat. Applied For)*

CENTURY DOLLS

Beautifully Dressed

IN SIX SIZES

CENTURY DOLL CO.

62 West 14th Street New York

Lucky Lindy Kites

Now Ready for Delivery

"LINDY"

NEW YORK PARIS

RED, WHITE AND BLUE
Triangle Paper Tailless Kite

To Retail at Ten Cents
Wire Your Order Immediately

MANUFACTURED BY

MARKS BROS. CO.

288 A STREET BOSTON, MASS.

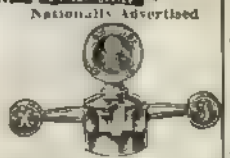
The advertiser wants to know—say PLAYTHINGS

BOYCE MOTO METER

Nationally Advertised

4K9420—**Midget,** 4 in. for small cars. Each **$2.45**
1 or more Each **2.28**

4K9422 **New Junior** [illegible] in. for medium size cars. Each **$3.50**
10 or more Each **3.25**
20 or more Each **3.00**



"**Aristocrat**"—Nickeled bar cap that locks. Initialed crystal glass and chrome bar. Motor timer. Combination key to all switches.
4K9426 For [illegible] Each **$4.90**
10 or more Each **4.55**
4K9427 For [illegible] Each **$6.15**

4K9419 **Special for Fords.** Adjustable mounted on radiator pipe. Nickeled dash cap. 1 in pkg.
Each **$2.80**
10 or more Each **2.60**

4K9425 4K9424

4K9428—**Universal,** 5½ in. high, construction, beveled glass. for high priced cars.
Each **$5.25**
10 or more Each **4.80**

4K9424 — **Standard,** 6 in. high, gloss stock, bevel edged glass, for high priced cars.
Each **$7.00**
10 or more Each **6.60**

4K9438 **Model "S," illuminated distance type,** for mounting on steering column. Has [illegible] electric bulb, easily installed on steering column in [illegible] hose.
Each **$8.75**
10 or more Each **8.25**
20 or more Each **7.60**

4K9431—Model "L," distance type illuminated, [illegible] dash mounting. Has [illegible] electric bulb. Each **$7.00**
10 or more Each **6.50**
20 or more Each **6.00**

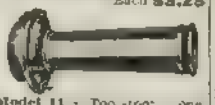
KLAXON

Each "Klaxon" equipped with mounting bracket.

Model 8C Adapted for Fords, Chevrolets and other light cars, motor driven, tone adjustable. Retail $3.50. 1 in carton.
4K9025—6 volt
Each **$2.28**

Model 18— Two-tone, new model high frequency type, excellent volume. Retail $5.75. 1 in carton.
4K9028— 6 volt } Each
4K9029— 12 } **$3.13**

Model 12C — New design, motor driven, extra volume, two pitch, 3 point adjustment. Retail $4.50. 1 in carton.
4K9028 6 volt
Each **$3.25**



Model 11 — Two-tone, one high frequency type, 11½ in. long. Retails $7.00. 1 in carton.
4K9035—6 volts
Each **$2.60**

Deep Tone—High frequency type, curved projector on bearings to cause friction. Retail $17.50. 1 in carton.
4K9030—6 volts
Each **$11.38**

"RHAMS-HORN" Auto Horn

4K9040—"Rhams-Horn," 8 in., 6 volts, a real low tone horn of volume and a tone that is different, well constructed. Retail $25.00. 1 in carton.
Each **$16.25**

IMPORTED FRENCH TRUMPET

For open or closed cars

4K9085—Imported, single tone, 16 in. long, nickel plated brass, red rubber bulb. 1 in carton
Each **$1.35**

RADIATOR EMBLEMS

White metal, highly polished, nickel plated. 1 in box.

4K9010—**Masonic,** 3¼ in. high
Each **50c**

4K9011 **Shriner,** 4 in. high Each **50c**
4K9012 **Elk,** 4 in. high Each **50c**
4K9013 **Eagle,** 3¼ in. high Each **60c**

"**Dr Lure**" highly polished white metal, heavily nickel plated hand enameled in colors. 1 in box.

4K9014—**Shriner,** 4 in. high Each **95c**
4K9015 **Elk,** 5 in. high Each **95c**
4K9016—**K. of C.,** 2¾ in. high Each **95c**

3 in. diam. copper base, embossed designs, inlaid colors easily attached. 1 in box

4K7548 — **Shrine,** black background, white border.
4K7549 **Masonic** Blue Lodge, blue background and white emblem outlines in gold.
4K7550 I. O. O. F., black background with border.
4K7551 B. P. O. E., blue background, Elk's head in gold.
4K7552 K. of C., black background, white border.
10 or more Each **95c**

WINDSHIELD WINGS

4K7542 14 in. long, 3 in. wide, beveled glass, brass trimmed and nickel plated arms, brackets, dust and rain shields. 1 pr. in carton
Pr. **$4.85**

RUBBERIZED CAMP BLANKET

4K8900 **Camping** [illegible] heavy rubberized material, black and drab with [illegible] and [illegible] 1 in pkg. Each **$2.95**

ACCESSORIES

HONEYCOMB TYPE RADIATOR CORE

For Chevrolet, Dodge, Maxwell, Hudson and Studebaker.

Designed to replace the original radiator, guaranteed to fit, brass, honeycomb type, [illegible] efficiency at all times. **Core only, shell not included.**

	Car	Model	Each
➡4K7923	Chevrolet 490	1918-22	**$11.95**
➡4K7940	" Superior	1918-24	12.95
➡4K7941	Dodge	1914-22	16.60
➡4K7942	Dodge	All	18.00
➡4K7943	Dodge	1924	18.00
➡4K7944	Maxwell	1918-20	Out
➡4K7945	Maxwell	1921-22	Out
➡4K7946	Maxwell	1923-25	17.40
➡4K7947	Hudson Super-6	1916-22	26.00
➡4K7945	Hudson	1923-24	26.00
➡4K7949	Studebaker Lt. 6	1921-22	20.00

➡*Shipped F. O. B factory in Trenton, N. J.*

Be sure to state year make and model of car

ADJUSTABLE HOSE CLAMP

4K8383 — Double band panel strap, smooth bore, adjustable to any size or contour. 1 doz. in box
Doz **60c**

REBOUND SHOCK ABSORBERS

➡4K8511—Take the jolts and jars out of rough roads, eliminate side sway, easily installed. 1 set of 4 in carton. SET (4 pcs) **$10.95**
➡*Shipped F. O. B factory in Central Illinois.*
Be sure to state name, year and model of car

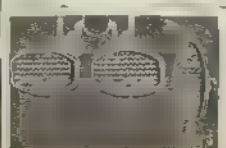
"BOSCH" SHOCK ABSORBERS

"**Bosch**" Adjustable to [illegible] high pressure tires, easily installed, few parts, practically no lubrication.

4K9487 **For Fords,** 3-point control set. Retail $16.50. 1 set in carton. SET (3 pcs) **$8.90**
➡4K9488—**For medium weight cars,** Buick, Chrysler, Dodge, Hudson, Nash, etc. [illegible] 1 pair in carton. Pair **$7.60**
➡4K9489 **For heavy cars,** Cadillac, Lincoln, Marmon, Packard, Pierce Arrow, etc. Retail $25.00. 1 pair in carton. Pair **$10.00**

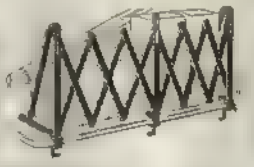
Note: When ordering 4K9488 and 4K9489, state name, year and model of car, whether they are for front or rear or whether complete set of four is desired

➡*Shipped F. O. B. factory in New York*



LUGGAGE CARRIERS

4K7970—Extends to 54 in., heavy steel construction, center bracing, is enameled, well riveted. 1 in pkg. Each **$5**
6 or more. Each **$4**



4K9008—"**Hercules,**" extends to 60 in., heavy steel bars, heavy corner brace, black enameled finish. 1 in pkg. Each **98c**

4K9001—"**Maforce,**" extends to 60 in., heavy double diamond type, black enamel finish. 1 in carton. Each **$2.25**

ACCELERATOR PEDAL AND PEDAL PADS

For Chevrolet Cars

4K8446 3 piece set. Fulton accelerator pedal with built-in spring, and 2 Perfection pedal pads, nickeled steel frames, black rubber pads. 1 set in box. SET (3 pcs) **$1.35**

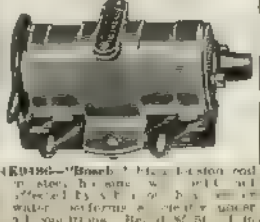
CUT-OUT

4K8549—Regulates from dash to high or low tone, fits all sizes of exhaust pipes, easily installed. 1 in box. Each **$1.60**

ELECTRIC FAN

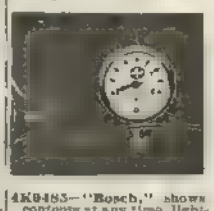
4K8170—"**Knapp,**" 6 in. diam., 4 blades, universal joint, olive green enameled finish, easily attached, separate switch for dash, 6 volt. 1 in pkg. Each **$7.00**

UNIVERSAL IGNITION COIL



4K9486—"**Bosch**" high tension coil in steel housing with [illegible] specially adapted for use in water softening [illegible] 1 in carton. Retail $5.00. Each **$3.88**

DASH GASOLINE GAUGE

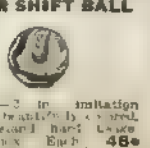


4K9485—"**Bosch,**" shown contents at any time, light automatically flashes at dangerous level or remains lighted up to 1 tank [illegible] 1 in carton. Each **$5.65**

GAS TANK CAP

4K9238—"**Universal**" polished aluminum cap, rustproof steel spring and insert, leather gasket, anchor chain prevents loss. Fits all cars except Fords. 1 in pkg.
Each **85c**

GEAR SHIFT BALL



4K7919—3 in. imitation ebony bakelite, 3 steel, one tapped hard to use, 1 in box. Each **48c**

State year make and model of car

Special Spark Plugs For FORDS

"Champion" spark plugs have been standard equipment on Ford cars and trucks for 10 years and the Fordson tractor since it was introduced. The biggest selling items of all Ford supplies.

CHAMPION "X"

4K8110 — (Mfrs A-15) ½ in. thread. Each 45c; 100 or more Each 41c

CHAMPION "X LONG"

4K8113 — (Mfrs A-25) ½ in. thread. Each 45c; 100 or more Each 41c

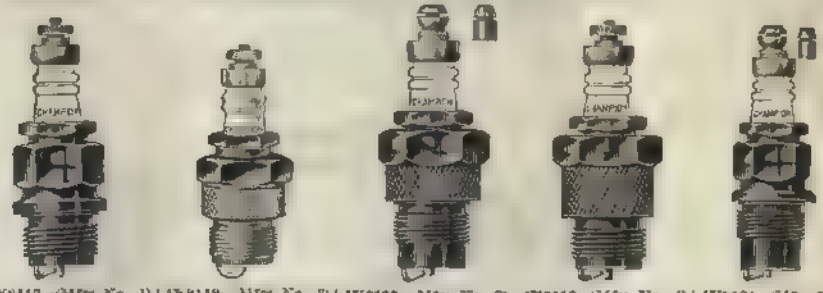
"CHAMPION" PORCELAINS

4K8126—(Mfrs A-105) For Champion X plugs. Each 22c; 100 or more Each 21c

4K8128—(Mfrs A-205) For Champion X long plugs. Each 22c; 100 or more Each 21c

CHAMPION SPARK PLUGS

Quantity prices apply on one style or assorted styles.



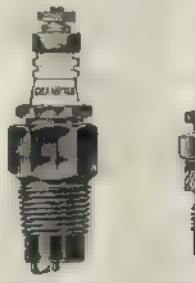
4K8117—(Mfrs No. 1) ½ in. standard. Each 53c; 100 or more Each 50c

4K8118—(Mfrs No. 2) ½ in. long reach. Each 53c; 100 or more Each 50c

4K8128—(Mfrs No. 3) ½ in. regular. Each 53c; 100 or more Each 50c

4K8113—(Mfrs No. 4) ½ in., long body, regular. Each 53c; 100 or more Each 50c

4K8121—(Mfrs No. 5) ½ in., long standard. Each 53c; 100 or more Each 50c



4K8122—(Mfrs No. 7) ½ in. long standard. Each 53c; 100 or more Each 50c

4K8116—(Mfrs No. 9) Metric long. Each 53c; 100 or more Each 50c

LIST OF PROPER "CHAMPION" PLUGS

There is a correctly designed "Champion" spark plug for every car.

4K8120—Ajax
4K8117—Auburn
4K8121—Buick
4K8118—[illegible] Bar
4K8112—Bay Bay [illegible] ster
4K8129—[illegible] and later
4K8129—Chevrolet
4K8118—Chrysler
4K8120—Cleveland
4K8117—Dixie
4K8129—Dodge
4K8118—Essex
4K8118—Fa
4K8110—Fiat
4K8113—Ford
4K8112—Gardner 1925 and earlier
4K8116—Hudson, 1921 and later
4K8129—Hupmobile, [illegible] Six
4K8118—Hupmobile Four and Eight
4K8118—[illegible] own
4K8118—Lincoln
4K8129—Locomobile
4K8112—Marmon
4K8117—Marmon, Little
4K8118—Moon
4K8121—Nash 4 and Special Six
4K8112—Nash Light Six
4K8121—Oakland, 1924 and later
4K8129—Oakland, 1923 and earlier
4K8121—Oldsmobile Six
4K8118—[illegible] Six
4K8118—[illegible] Whippet
4K8118—Packard, 1925 and earlier
4K8129—Jack Rabbit, 1920-27
4K8118—Paige
4K8118—Pierce Arrow
4K8129—Pontiac
4K8117—Reo, New
4K8121—Rickenbacker
4K8129—Star Four
4K8112—Stu Six
4K8129—Studebaker E [illegible] Six
4K8117—Studebaker 8th plare Six
4K8129—Stutz Four
4K8129—Stutz Six
4K8121—Velie 1925 and earlier
4K8117—Velie, 1926-27
4K8112—Willys-Knight, Four
4K8118—Willys-Knight, Great Six
4K8117—Willys-Knight, Light Six
4K8129—Yellow Cab

STORAGE BATTERIES

Mephisto STORAGE BATTERIES

Highest Quality Plates—Long Lived—High Powered

GUARANTEE "Mephisto" batteries are guaranteed for a period of 18 months against defects in material and workmanship. Batteries that have been misused, abused or neglected are not covered by this guarantee. A service charge is made on all batteries on which adjustments are made.

1 Pc Rubber Case

We can furnish batteries for all popular cars. If not listed below write us for price.

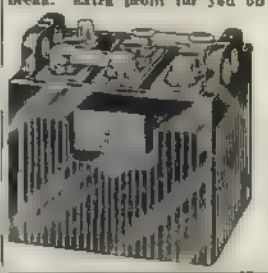
Be sure to state name, year and model of car.

	Car	Year	Model	Wood Box Each	Rubber Case Each
➡4K3000	Buick	1919-26	All Sixes	$10.75	$10.75
➡4K3001	"	1927	All models	8.65	8.65
➡4K3002	"	1916-26	All Sixes	10.75	10.75
➡4K3003	Cadillac	1914-24	All	$25.40	
➡4K3004	Chevrolet	1917-27	All 4 cyl. models	8.65	8.65
➡4K3005	"	1927	6 cyl. Sport Roadster, Coupe	8.65	8.65
➡4K3023	Chevrolet	1927	All	8.65	8.65
➡4K3006	Dodge	1914-26	All	$12.95	$12.95
➡4K3007	"	1927	All	12.95	12.95
➡4K3008	Durant	1923-26	All Sixes	10.75	10.75
➡4K3009	"	1927	All Models	8.65	8.65
➡4K3010	Ford, 1914-26		All	8.65	8.65
➡4K3025	Hupmobile	1909-26	All	$10.75	$10.75
➡4K3026	"	1927	All	10.75	10.75
➡4K3011	Nash	1917-27	All	10.75	10.75
➡4K3027	Nash	1927	All Six	10.75	10.75
➡4K3012	"	1917-26	All Sixes	8.65	8.65
➡4K3013	Oakland	1918-26	All	$10.75	$10.75
➡4K3028	Oakland	1927	All	10.75	10.75
➡4K3014	Oldsmobile	1916-26	All	8.65	8.65
➡4K3015	"	1927	All	8.65	8.65
➡4K3029	Paige	1927	All	$10.75	$10.75
➡4K3024	"	1926	All	20.00	
➡4K3016	Studebaker	1914-26	Special 6 Big Six	10.75	10.75
➡4K3017	"	1927	Light Six	8.65	8.65
➡4K3018	Willys-Knight	1917-26	All	$19.95	
➡4K3019	"	1927	All	19.95	

➡ *Shipped F. O. B. factory in New York City. State name, year and model of car.*

STORAGE BATTERIES

Good quality one piece rubber cases that won't leak and won't break. Extra profit for you on these two "specials."



"UTILITY" 11 PLATE BATTERY

For Fords and Chevrolets

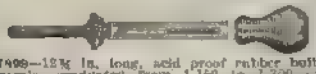
➡4K3030—"Utility," 1 pc. rubber case, 6 volt, 11 plate. For starting and lighting charged ready for installation [illegible] Guaranteed 1 year [illegible] Each $6.75

➡ *Shipped F. O. B. factory in New York City*

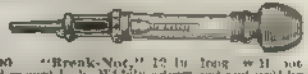
"MEPHISTO" 13 PLATE BATTERY For Fords

4K3035—"Mephisto" 1 pc. rubber case, 6 volt, 13 plate, charged ready for installation. Guaranteed 1 year [illegible] Each $8.95

BATTERY SYRINGE HYDROMETERS



4K7409—12¾ in. long, acid proof rubber bulb and nozzle, graduated from 1.150 to 1.300 specific gravity and marked "Dead," "Charge" and "Full." 1 in box. Each 45c



4K7900—"Break-Not," 12 in. long, will not rot and cannot leak. Widely advertised and well known. 1 in box. 12 or more, Each 67c; Each 70c

BATTERY FILLER

4K7905—11 in. long, 7¾ in. hard rubber tip, 6 pa. ribbed soft rubber bulb. 1 in box. Each 45c

Would you like to Make more net in 1927?

Here's How:—

Order goods as you want them.
Let B. B. carry your reserve stocks.

And Double your turnover—
and your profits!

Ash Trays and Smoking Sets

Ash Trays

Per dz.

N71636—ASH TRAY—In the form of a cigar of bronze finished metal. Ashes fall through big open mouth into big bulbous body. Height, 4 inches. Width, 2½ inches. Packed one in a box **21.00**

Each

N71623—SOLID BRASS ASH DUMP—Ash tray of bright finish, and fancy design. Tray finished in antique bronze. Tray fitted with two cigar rests. Swedish match box holder, and grass saucer in bottom of tray. Top of tray removable to empty ashes from glass saucer in bottom. Height to top of match holder 4 inches. Diameter of tray 5½ inches. **2.00**

Each

N71609—ASH TRAY—Fitted with metal holder on bridge cigar rest and jade colored glass insert. Combination bronze and oxidized brass finish. Size, 6¼x4½ inches. Each tray packed in a neat box.. .. **2.40**

Each

N71637—ASH TRAY—Statuette of elephant with ash tray on his back. Finished in Pompeiian bronze. Removable colored glass ash depositor. Length 4¼ inches. Height, 4 inches. Packed one in a carton .. **3.00**

Each

N71616—ASH TRAY—Automatic ash tray with deep bowl of shaped metal at the top of which is an arrangement that ashes may be tipped into the non splitable bottom. The sides of the receptacle with handle decorated floral sprays in silver deposit effect. Diameter of receptacle, 6¼x3¾ inches. Packed one in a box..... **2.50**

Each

N71612—ASH TRAY—Combination ash tray and match holder with spring clamp to attach to arm of chair, table, etc. Fired red glass liner is decorated with floral design in ash effect. Size, 6¾x4 inches. Packed one in a box .. **2.50**

Each

N71627—ASH TRAY—Composed of wide rim ash tray, flanked by Egyptian or Normandy lovers and supported by pedestal base with support for pipes. Plaque of metal design engraved attached. Length, 6 inches. Width, 3 inches. Packed one in a box.. .. **4.00**

Each

N71628—ASH TRAY—Metal ash tray in Normandy finish, decorated with statuette of dog. Two cigar rests and removable glass glass ash depositor Height, 4¼ inches. Width, 4 inches. Packed one in a carton **4.00**

Each

N71613—ASH TRAY—Ash tray decorated with gunmetal gold figure with adjustable lead holder. Removable glass receptacle finished with jade colored removable glass insert. Two cigar rests and match box holder. Size, 6¾x4½x3½ inches. Packed one in a box.. **3.00**

Each

N71614—ASH TRAY NEST—Four nesting ash trays and cigar rests with red glass inserts and handles. Finished in fulvance and polished brass plated ironwork. Well designed in line effect. Packed one in a box **3.00**

Each

N71629—ASH TRAY—Figure of elephant, made of composition white metal, the elephant and tray finished in Pompeiian bronze, glass receptacle for ashes. Size, 6¼x3½x3¼ inches

Each

N71615—ASH TRAY NEST—Four nested ash trays with cigar rests, colored glass inserts, bridge and match holder. Metal parts finished in guaranteed bronze and polished brass combination. Size, 6x5½ inches. Each tray packed in an individual box .. **4.00**

Each

N71639—ASH TRAY—Ash tray made of composition white metal and finished in Normandy bronze. Removable glass receptacle for ashes. Easy to clean. Size, 5¾x4½ inches. Packed one in a box .. **6.00**

Each

N71631—ASH TRAY—Ash tray made of composition white metal and finished in Normandy bronze. Removable glass receptacle for ashes. Easy to clean. Size, 6¾x4 inches. Packed one in a box .. **6.00**

Each

N71630—ASH TRAY—Genuine green tiffany finished ash tray with four removable copper receivers. Decorative statuette of faun on dolphin. Height 7 inches. Length, 9 inches Packed one in a carton. .. **9.00**

Each

N71640—ASH TRAY—Genuine tiffany green ash tray with four removable receivers. Decorative statuette in same finish. Height, 9½ inches. Length, 12 inches Packed one in a box. .. **9.00**

Clip Ash Tray

Per doz.

N71624—ASH TRAY—Table clip ash tray, made of metal in oxidized black and light tone colors. Size, 6x2½ inches. Packed one dozen assorted colors in a box, not broken... **4.00**

Smoking Sets

Per doz.

N71668—ASH TRAY SET—Nickel plated Swedish match box holder one four inch glass cigarette jar with nickel cover and removable tray with cigar rest and receptacle for matches, round metal tray to hold the above. Size of tray, 7½ inches .. **18.00**

Per doz.

N71673—ASH TRAY SET—Smoking set of silver finished metal, consisting of match box holder, glass lined tray with cigar rest, glass tobacco jar with metal top and metal tray Diameter of tray, 6½ inches. Height, of tobacco jar, 5½ inches. Packed one in a box..... **18.00**

Each

N71671—ASH TRAY SET—Made of metal in a hammered gold effect. Consists of glass lined ash tray with cigar rest, match box holder, glass tobacco jar, and of long tray Height of tobacco jar, 4½ inches Size of tray, 16x5½ inches. Packed one in a box.. **2.00**

Each

N71670—ASH TRAY SET—Five piece, nickel plated ash tray set, consisting of a nine-inch round tray, two three-inch ash trays with removable receivers, one with cigar rest, one with cigarette jar of glass with nickel plated cover, and match box holder **2.00**

Per set

N71668—METAL SMOKER SET—Consists of cigarette jar, ash tray and match box holder, set on a round metal tray. Finished in art Pompeiian green with hand decorated floral design in silver deposit effect. Diameter of tray, 7½ inches. Packed one in a box **4.00**

Ash Trays

Ash Trays

Per doz.

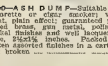
N71617—ASH TRAY—Colored bottom, fitted with two cigar rests and one match box holder, and a 6-inch removable glass insert. Size of tray, 4¼x4¼, inches. ¼ dozen in box, not broken 4.00

Per doz.

N71618—ASH TRAY Made of blue glass with nickel rim and elevated nickel rail holding cigar rest. Depth of tray, 1⅛ inches. Height to top of rail, 2¾ inches. Diameter, 3 inches 4.00

Per doz.

N71600—ASH DUMP—Suitable for cigarette or cigar smoker; very neat, plain effect; guaranteed polished brass finish, with guaranteed nickel finishes and well lacquered. Size, 2¼x3¾ inches. Packed ½ dozen assorted finishes in a carton, not broken 5.80



Per doz.

N71618—NICKEL PLATED ASH TRAY—With three cut-out cigar rests. Swedish match box holder, and 5-inch removable colored glass liner. Diameter of tray, 6¼ inches 9.00

Per doz.

N71601—CIGARETTE ASH DUMP AND SNUFFER—Metal cigarette ash dump and snuffer in assorted guaranteed popular finishes. Cover can be tilted so that ashes drop in bowl. Size, 2¾x3¼ inches. Packed ¼ dozen in a carton, not broken 9.00

Per doz.

N71633—ASH TRAY—Wood base, glass insert with three cigar rests and match holder. Size, 4¼x4¼x2 inches. 8.00

Per doz.

N71602—ASH TRAY Ash tray in dainty floral design. Two rests fitted with removable fire glass inserts in either red or Jade color. Guaranteed sterling silver plate and well lacquered in silver flock finish. Size, 4¼x3⅜, inches. Packed ½ dozen in a neat box, not broken 11.50

Per doz.

N71619—ASH TRAY—Nickel plated, fitted with two cigar rests, a match box holder and 5-inch removable, assorted colored inserts. Diameter of tray, 6x6 inches 12.00

Per doz.

N71603—ASSORTED ASH TRAYS—Assortment of six ash trays in a box, two Art Pompeian green, two Art Ivory, hand decorated with floral design in silver deposit effect, and two floral fire effect, one with match holder, not packed ½ dozen in a box, not broken 12.00

Per doz.

N71620—ASH TRAY—Nickel plated, with two cigar rests, match box holder and 3¼-inch removable, colored glass inserts. Diameter of tray, 4¼x4¼ inches 12.00

Per doz.

N71604 ASH TRAY—Ash tray with two cigar rests, match holder and glass insert, which can easily be removed for cleaning. Guaranteed not to chip. Size, 4¼x3⅜ inches. Nickel finish, well lacquered Packed in neat box 12.00

Per doz.

N71621—ASH TRAY SET Nickel plated finish with match holder in center. The holder carries three 3 inch colored glass ash trays with one cigar rest. Height of nested set 4 inches Diameter of base of holder 4¼ inches 12.00

Per doz.

N71622—NICKEL FINISH ASH TRAY SET Consisting of holder with two cigar rests and match box holder in center, holding three removable ash trays with one cigar rest, and colored clinched-in enameled lining. Diameter of tray, 4 inches Total height to top of match box holder, 4¼ inches..... 16.00

Per doz.

N71605—ASH DUMP Deep bowl shape metal ash receiver mounted with two cigar rests. Top so arranged that ashes can be dumped without soiling hands. Easily taken apart to clean. Very practical. Size, 3½x2 inches. Guaranteed combination gun metal and polished brass finish. Packed in a neat box 18.00

Per doz.

N71625—CAST METAL ASH TRAY In antique gun finish, ship design. Fitted with felt bottom 16.00

Per doz. sets

N71634—ASH TRAY SET Silver plated frame with silver plated metal handle and safety match box holder Four colored glass ash trays each with a cigar rest Diameter, 5¼ inches. Height, 5½ inches 21.00

Per doz.

N71606—AUTOMATIC ASH DUMP—Bowl ash dump with automatic cover and rubber ring. Ash receptacle can be lifted out for emptying. Finished in combination Royal Red and polished brass. Packed in a neat box 31.00

Per doz.

N71607—METAL ASH TRAY—Neat bowl shaped metal ash receiver with neat rim mounted with cigar rest and match holder Finished in Art Pompeian and hand decorated with floral spray in silver deposit effect. Size, 4¾x2¼ inches. Packed one in a box 21.00

Each

N71626—ASH TRAY—Made of composition white metal, finished in Normandy bronze. Removable glass insert for ashes. Size, 6¼x3½ inches 2.00

N71608—METAL ASH TRAY—Neat bowl shaped metal ash receiver with neat metal rim in polished gold plate mounted with cigar rest and match holder Bowl finished in Royal Red. Size, 4¼x2½ inches. Packed in a neat box 2.00

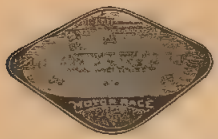
Each

N71611—CLAMP ASH TRAY METAL ASH TRAY—In combination with match box holder and rest Removable glass insert in red colored spring clamp so that same can be clamped on table, arm of chair, etc Guaranteed polished nickel finish and well lacquered. Size, 7x3½ inches. Packed in a neat box 2.00

Each

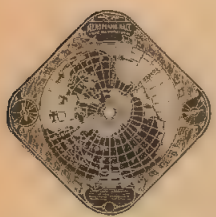
N71635—ASH TRAY—Silver plated brass with colored glass liner. Size, 3x3¼ inches. Height, 2 inches. 2.00

GAMES



No. C29—Motor Race Complete with Checkers, six miniature automobiles race around a real speedway according to moves indicated on the spinning dials. The first one around wins the race. Usual speedway hazards make the play more exciting. It's a fast game with plenty of action for the youngsters. Six metal automobiles 1¼ in. long are furnished, and full directions are printed right on the game. Size 16½ in., square, w't per doz. 25 lb.....per dozen $17.20

ONE DOZEN IN A CARTON



No. C1130—"'Round the World Flyers" Complete with Checkers, a new, never-before-shown game, based on the most thrilling international event of recent years. Four miniature aeroplanes race round the world following the exact course of the U. S. Army Flyers in their celebrated flight. Various hazards add interest and excitement to the game. Size 16½ in., square. Spinning dials are fastened into the corners, playing directions are printed right on the game, and four 1 in. miniature aeroplanes are furnished, w't per doz. 22 lbs.....per dozen $17.20

ONE DOZEN IN A CARTON

BOWLING ALLEY

Is played under the same rules as the "grown-up" game.

Each player shoots two balls from the gun at the end of the board. Spares and strikes are counted in the same manner as the real game. At the pin end of the board is an iron curtain pivoted at the top in a manner that holds the balls after they have been shot.

Varnished in a very attractive manner. The complete game is packed in a strong box.

No. C14—Board 40 in. long and 7½ in. wide.....per dozen $31.10

No. C312—Board 30 in. long and 7 in. wide.....per dozen $17.75

EACH GAME IN A BOX WITH RULES. 1 DOZEN IN A CRATE CASE WEIGHT. NET 55 LBS., GROSS 85 LBS. CASE MEASUREMENTS, 42x24x9 INCHES.

"PITCH EM" HORSE SHOE GAME

Indoor game, play in the parlor or on the lawn.

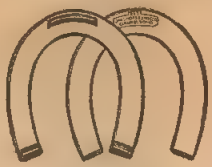
No. C31—Horse shoes of best rubber on flexible steel, four to a set, two metal bright green enameled plates, with nickel plated upright posts, w't per doz. sets 35 lbs., per dozen sets.....$17.35

ONE SET IN A BOX; ONE DOZEN SETS IN A CASE

OHB

Our Very Best for Fifty Years Has Stood the Test

OFFICIAL REGULATION HORSE SHOES



For Pitching.

ORIGINAL Drop Forged Steel Shoe. Regulation size and weight, perfectly smooth and well balanced. This is not a casting but forged from special steel Hardened and will not splinter. Gilt finish to prevent rusting.

No. C22—Size 7x7½ in., w't 2½ lbs., per set $7.20

ONE PAIR (2) IN A BOX

JUNIOR

For Ladies, Children and Boy Scouts.

This is a light pattern of Horseshoe drop forged steel shoe. Gilt finish.

Pair consists of two shoes.

No. C22J—Size 6½x6⅜ in., w't 1½ lbs., per set $6.20

ONE PAIR (2) IN A BOX

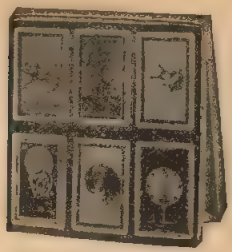
Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over seventy-two years' experience stands back of our brands.

CONGRESS PLAYING CARDS

Favorite Playing Cards That Should be in Every Stock



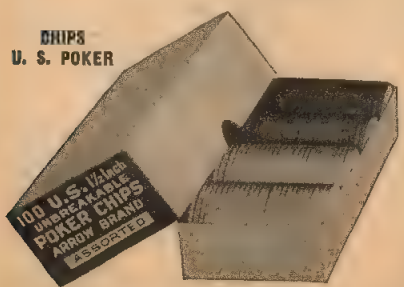
No. C606W—Size 2½×3½. Gold edges, Air-cushion finish. Six different art backs, reproduced from artistic paintings in full color with gold trimming. Put up ½ doz. in easel back display case. Cards packed in individual side open, telescope box gold stamped. The mere sight of these beautiful playing cards in your show case or window will influence many people to buy them, dozen packs **$17.35**

WE DO NOT BREAK CARTONS OF HALF DOZEN

Front of Box

No. C808—Bicycle. Most widely advertised and best known playing cards on the market. Enameled, thin and flexible. Special skill and years of experience have developed their matchless playing qualities. In use throughout the world. Size 2½×3½ in. Packed 1 doz. in a carton; ½ blue, ½ red, per dozen packs..... **$10.00**

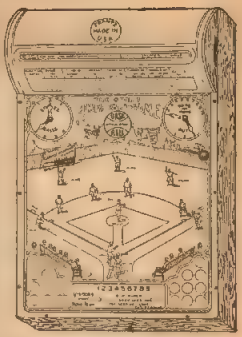
WE DO NOT BREAK CARTONS OF 1 DOZEN



No. C27—Anchor Composition. Packed 100 in a box; 50 white, 25 red, 25 blue. Size 1¼ in., per box of 100..... **$1.20**

No. C15—Arrow Unbreakable. Light, noiseless, easy to handle. Uniform in thickness. 100 in box assorted; 50 white, 25 red, 25 blue., per box of 100..... **$0.98**

BASE BALL GAME



Every play known to the "National Pastime" instantly recorded on revolving drum. By pressing on the push button the wheel is started to spin revealing the plays opposite the space, which shows condition on bases.

The plays that can be made on this board have been compiled from the actual plays in the world series of a number of seasons.

Fans are enthusiastic about the game as it fills in the long gaps between regular games. It makes fans of the ladies and children who have never seen a game as it teaches them how the actual games are played. It is not only a fine thing for homes but for club rooms, news stands, recreation centers, Y. M. C. A.'s, wherever a bunch of youths or men gather.

This is a product of quality and will last for years. It is not alone a holiday game but an all around seller. Finished in handsomely lithograph diamond in four colors.

No. C100—Size of board 9×13½ in..... per dozen *$24.00*

EACH GAME IS PACKED IN A SEPARATE CARTON SHIPPING WT TWO LBS. ONE DOZEN CARTONS IN A BOX

INTERCOLLEGIATE FOOTBALL GAME

"Intercollegiate Football" is mechanically the same as "The Great American Game" of baseball. A revolving drum, on which is printed all the possible plays known to football, is set in motion by the compression of a push button on the right side of the gridiron. When the button is released the drum automatically stops and reveals the play directing the movement of the teams.

The gridiron is handsomely lithographed in four colors on sheet steel. Each toy is packed in an elaborately printed paper carton with a "Silent salesman" display card enclosed.

No. C200—W't per doz. 32 lbs.....per dozen *$24.00*

ONE IN A BOX, ONE DOZEN IN A CARTON

Be sure to see the New

New No. 1 Outfit Retails for $1.00

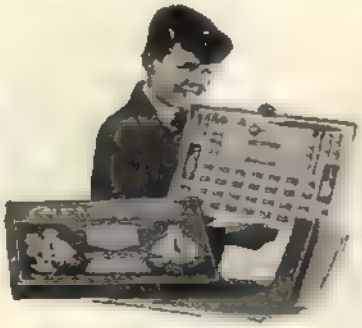
REGISTERED TRADE MARK

CHEMCRAFT

THE CHEMICAL OUTFIT

Improved Box Arrangement—Larger Boxes—New Price Range—Attractive New Labels—Better Value than Ever!

New No. 2 Outfit Retails for $2.25. A wonderful value!



New No. 3 Outfit Retails for $3.50. A New One Sure to be Popular!

New No. 5 Outfit Retails for $5.00 Larger and Better!

New No. 8 Outfit Retails for $8.00. A Winner in a Wooden Cabinet!

The Original and Best Chemical Outfits Since 1915!

Most Complete—Most Accurate and Most Popular

Liberal Discounts and Terms

See Samples at Our New York Office Ben Levy, Room 415—200 5th Ave.

Mike Sweyd, 788 Mission St., San Francisco

Send for New 1927 Catalog

New No. 12 Outfit The Finest Set on the Market not duplicated anywhere Retails for $12.00

THE PORTER CHEMICAL CO.

HAGERSTOWN, MARYLAND

Something New in Doll Buying!

"Custom Built" Dolls

Designed to the Buyers' Specifications

WITH every order of reasonable size we offer you the opportunity to obtain a feature doll of your own design.

* * * * *

Think What This Means! You Get a Doll for a Leader Different from Anything on the Market. You Don't Select the Doll Some Manufacturer Says Is Good—You Design the Doll You Know You Can Sell Big to Your Customers. Come and See Us—Select the Head You Want, Specify Painted or Moving Eyes, Choose Hard or Soft Parts, Select the Wig You Like, or Forget the Wig and Specify the Dress You Approve from Many Beautiful Silk and Cotton Fabrics.

Design Your Own Doll and We Will Deliver It to You in Time for Feature Sales.

And Due to Market Conditions, We Advise Immediate Action!

REISMAN, BARRON & Co. INC.

893 Broadway at 19th Street, New York City

Mention PLAYTHINGS when you write—it identifies you.

TOY ASSORTMENT ON CHRISTMAS TREE

FOR WINDOW DISPLAY AND FOR THE COUNTER

AN IDEAL ASSORTMENT OF TOYS

ON AN IDEAL DISPLAY STAND

No. N74242
$12.00 per Assortment
(3 dozen at $4.00 dozen)
Assortment comprises Large 5.70 Christmas Character Toys—Rattles—
Floaters —Animals— Roly Polys and other Fine Playthings
A quantity of toys ribboned to display on branches
Total height of Tree 14 inches—Trees shipped compactly Branches folded

TOY ASSORTMENTS IN ATTRACTIVE CABINETS

No. N74240 $6.40 Cabinet
(4 dozen at $1.60 dozen)
A complete assortment of Floaters—Dolls—Roly Polys and other Fancy Toys in a Display Cabinet.
Average length 3½ inches

No. N74241 , $6.40 Cabinet
(4 dozen at $1.60 dozen)
Assortment of Christmas Character Toys and Roly Polys in a Display Cabinet
Average length 3½ inches

KIDDY RATTLES · TEETHING RINGS
DECORATIVE PARROTS

No. N74243 $1.50 dozen
2¼ inches diameter

FAST COLORS

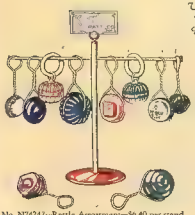
No. N74244 $3.80 dozen
3⅜ inches diameter
1 dozen in a box

No. N74246 $8.00 dozen
Parrot is 8⅜ inches long
Total length with perch 11⅞ inches
½ dozen in a box

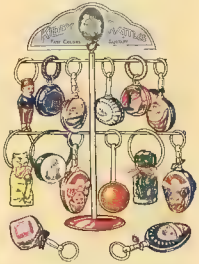
DECORATIVE PARROTS

No. N74245 $4.20 dozen
Parrot is 6¾ inches long
Total length with perch 8¼ inches
½ dozen in a box.

VISCOLOID DISPLAY FIXTURES



No. N74247—Rattle Assortment—$6.40 per stand
(4 dozen at $1.60 dozen)
Attractive styles and colors on novel
Viscoloid Display Fixture. Average length 5½ inches



No. N74248—Rattle Assortment—$12.00 per stand
(3 dozen at $4.00 dozen)
Hand decorated—with ribbon bows on novel
Viscoloid Display Fixture. Average length 6½ inches

Courtesy of McNeff & Company

153 line halftone constructed five color and gold plates

FLORIST MAILING FOLDER

Reproduced from outline pen drawing, line negative surprinted in connection with halftone screen on copper, colors constructed by Photo Engraver

Engraved and Printed by MAX LAU COLORTYPE COMPANY, CHICAGO

Courtesy of Garrett-Herkhar Company

133 Hon screen four color process plates

THE LILY POND

Reproduced from Oil Painting

Engraved and Printed by MAX LAU COLORTYPE COMPANY, CHICAGO

Courtesy— The Cincinnati Art Publishing Company

GREETING CARD DESIGN

Four Color Process Plates, using two blues, red and yellow, with solid Zinc Tint background

This insert of two pages engraved by
The Art Reproduction Company, Cincinnati, Ohio

Courtesy The Baldwin Piano Company

CATALOG ILLUSTRATION

Black and White Halftone with Benday tint screens in the background to bring out the Piano.

Engraved by
The Art Reproduction Company, Cincinnati, Ohio

Cinematograph, Stereoscopes and Views

Cinematograph

No. 2N133. Cinematograph, 2½ inches long, made of Cardboard, finished in Black Leatherette with powerful magnifying glass. Complete with 20 slides in many different colors. Each set in box.

Per gross sets..... 8.50 | Per dozen sets.. .. .75

No. 46C1. Stereoscope. Well made scope has a black pressed paper hood, 1-inch high-grade crystal lenses wood lense holder, screw handle, adjustable slide, natural wood color. One-sixth dozen in box.

Per dozen..... 3.75

No. 46C37A. Stereoscope. Black pressed paper hood, edge bound with velveteen, 1-inch high-grade crystal lenses, screw handle, adjustable slide, natural wood finish. One-sixth dozen in carton.

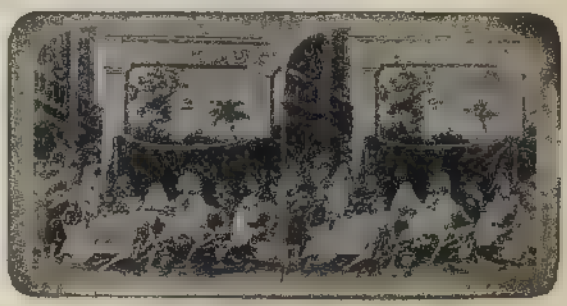
Per dozen..... .. .. 4.50

ENGRAVED ALUMINUM HOOD SCOPE

No. 46C3. Stereoscope. Engraved aluminum hood, trimmed with velveteen 1⅛-inch high grade crystal lenses, wood lense holder, screw handle, adjustable slide, walnut finish. One-sixth dozen in box.

Per dozen..... .... 8.00

Stereoscopic Views—Made from original negatives, reproduced in colors. 25 Views in Set.



	Per 25	Per 1000
46C4— Franco - British War Views ..	.20	6.25
46C5— Italian War Views	.20	6.25
46C7— Fighting Ships and Life of Uncle Sam's Sailor Boys ..	.20	6.25
46C8— Soldier Boys in France	.20	6.25
46C10—Pets and Animals	.20	6.25
46C12—Wedding Bells	.20	6.25
46C14—Historical Spots of America ...	.20	6.25
46C15—A Tour Through Dixie-Land ..	.20	6.25
46C16—A Tour of the Pacific Slope .	.20	6.25

	Per 25	Per 1000
46C17—A Tour of the Big Cities of America	.20	6.25
46C18—A Tour Through England and France	.20	6.25
46C21—A Visit to Washington	.20	6.25
46C25—Germany and a trip down the Rhine	.20	6.25
46C26—A Trip to China, Japan and the Orient . .	.20	6.25
46C27—Niagara Falls and Watkins Glen	.20	6.25
46C29—Wonders of the Old World ..	.20	6.25

	Per 25	Per 1000
46C30—A Tour of Palestine and the Holy Land	.20	6.25
46C31—Life of Christ..	.22	6.75
46C33—Around the World with Uncle Sam's Battleships ..	.20	6.25
46C36—Girls will be Girls	.20	6.25
46C38—An Automobile Trip Around New York City	.20	6.25
46C39—Uncle Sam's Soldier Boys	.20	6.25
46C40—Big Cities of Europe	.22	6.75

Toy Watches

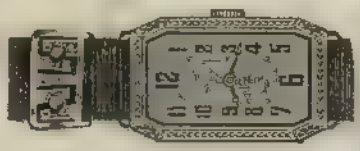
Toy Wrist Watch, fancy brass case, printed face, leather strap and nickel finish buckle. One dozen on card

No. 37N77.
Per gross 4.00 | Per dozen.. .35

"Ideal" Bracelet Watch, celluloid case, printed face, bright ring fitted with leather strap with metal buckle. One dozen on display card.

No. 37N87.
Per gross 6.00 Per dozen.. .55

Toy Wrist Watch with Moving Hands



Rectangular Style Wrist Watch. The very latest style of wrist watch made of metal in silver colored finish with ornamented design, printed face with moving hands. Just pull out the stem like you do on a real watch and turn the hands. Has celluloid crystal, black ribbon with fancy imitation silver clasp. This is the watch that everyone has been anxiously waiting for and is a wonderful item for the trade. Each on card. Packed 1 dozen.

No. 37N72.
Per gross, 8.50 | Per dozen. .75

Man's Style Toy Wrist Watch with Moving Hands

Toy Wrist Watch that looks like the real thing. Moving hands. Real leather strap with buckle. A big flash. Illustration shows actual size of watch.

No. 37N75.
Per gross . 9.60 | Per dozen.. .85

Celluloid Toy Wrist Watches

Four Assorted Styles Toy Wrist Watches, made of gold colored polished metal in imitation etched design. Assorted color wrist bands made of bright colored celluloid. Painted hands and dials with celluloid crystals. A very pretty little Toy Watch for girls. Packed one dozen, four styles assorted, on perforated card.

No. 37N69.
Per gross.. 4.80 | Per dozen.. .40

Toy Wrist Watch, made of white metal with imitation etched design. Rectangular shape, celluloid wrist bands in assorted colors, painted dial and hands, has the appearance of a real wrist watch, just like mother wears. One dozen on an perforated card.

No. 37N71.
Per gross.. 5.00 Per dozen.. .45

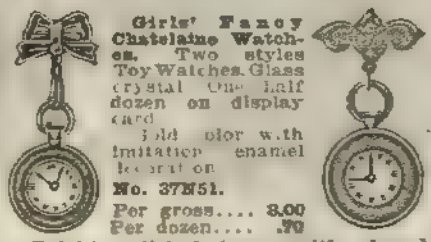
Assorted Toy Wrist Watches on dainty tinted celluloid bracelets with real buckles. Five different kinds and a great variety of colors on each display card of one dozen. Many of them with oval unbreakable glass crystals. A most attractive display and a sure repeater. One gross in box.

No. 37N82.
Per gross... 4.00 | Per dozen... .35

Girls' Fancy Chatelaine Toy Watch

Novelty Watch Chatelaine, Roman finish fancy chased watch and chatelaine pin in assorted fancy chased designs. One dozen on display card.

No. 37N78.
Per gro. 3.50
Per doz. .35



Girls' Fancy Chatelaine Watches. Two styles Toy Watches. Glass crystal. One half dozen on display card.

Gold color with imitation enamel decoration

No. 37N51.
Per gross.... 8.00
Per dozen.... .70

Bright polished brass with chased effect **No. 37N52.**
Per gross.... 9.00 | Per dozen. . .77

Boys' Toy Watches with Chains

Boys' style, gold color toy watch and chain with cross bar moving hands, glass crystal. One half dozen on display card.

No. 37N50
Per gro. 4.50
Per doz. .40

Boys' Toy Watch. Attractive brass case, brass chain, snap and lapel button, celluloid crystal. One dozen on card.

No. 37N79.
Per doz. .65

Extra Thin, Boys' Style Watch and Chain. Fancy mottled effect silver and black case. Silver color chain. Hands turn with stem, glass crystal. Each in box.

No. 37N53.
Per gr. 14.50
Per doz. 1.25

Courtesy of Story and Clark Piano Company

Photographed, engraved and printed by The Dean-Hicks Company

Four Color Benday Plates on Zinc

CLEVELAND'S NEW UNION STATION

Reproduced from Outline Pen drawing

Engraved by THE ARLINGHAUS ENGRAVING COMPANY, CLEVELAND

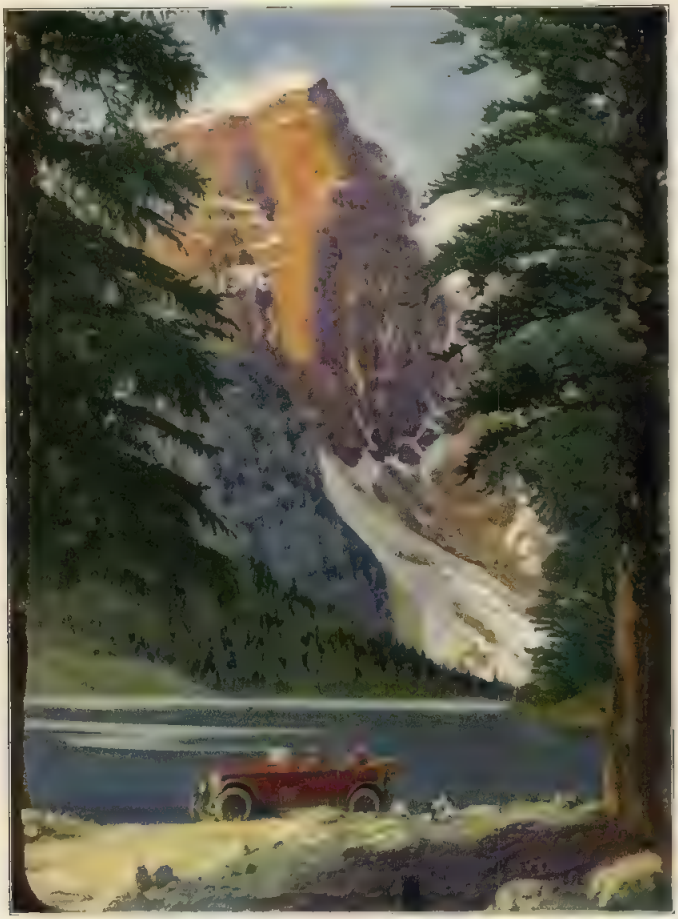


Photo by H. Armstrong Roberts *133 Screen Halftone Key and Three Benday Color Plates*

THE OZARKS IN SPRING

Reproduced from Retouched Black and White photograph. Color effect supplied by the photo-engraver

Designed and Engraved by GRAY-ADAMS ENGRAVING COMPANY, ST. LOUIS

PITTSBURGH TROLLEY HANGERS

EXTRA BRACKETS

No. 81 No. 82 No. 83 No. 84

Per Dozen

No. 81—Single, Center Wall, Wt. ¾ Lb.
No. 82—Single, End Wall, Wt. ⅝ Lb.
No. 83—Single, Center, Ceiling, Wt. 1 Lb.
No. 84—Single, End Ceiling, Wt. 1 Lb.

No. 86 No. 86 No. 87 No. 88

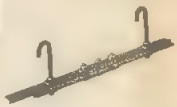
Per Dozen

No. 85—Double, Center Wall, Wt. 2¼ Lbs
No. 86—Double, End Wall, Wt. 2⅝ Lbs.
No. 87—Double, Center Ceiling, Wt. [illegible] Lbs
No. 88—Double, End Ceiling, Wt. 2¼ Lbs
No. 89—End Stops for Brackets

Loose.

✣METAL RAIL TRACK

Myers Double
For Clover Leaf Carrier



Made of Two I Steel Nails Held Together [illegible] Bolted Clamps as Well as by Clamps Hanging Hooks [illegible] nuts. Steel wt. [illegible]

Per Foot

✣No **824**

Weight per foot [illegible] lbs.

TRACK HANGING HOOKS

[illegible] for Hanging Double Angle Steel T

Per Dozen

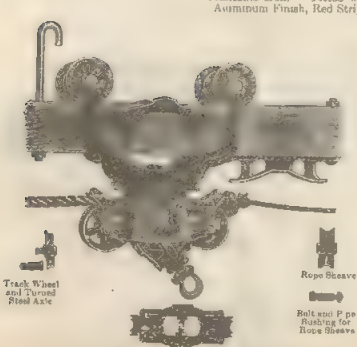
✣No **3026** [illegible]
Weight per dozen, about 9 Lbs

✣No **30210**—Lgth. 10 Ins.
Weight per dozen about 20 Lbs

CLOVER LEAF UN-LOADERS

Swivel and Reversible. With ½-In. Axles and Swinging Fork Pulley

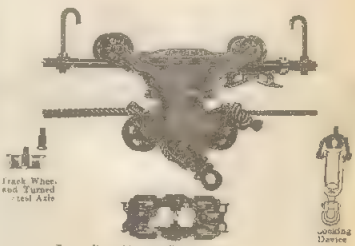
Malleable Iron. Fitted with Wide Open Mouth. Fork Pulley Aluminum Finish, Red Striped Beaded Frame. Wt., Abt 27 Lbs



Bottom View of Carrier. Track Wheels all Fitted with Large Turned Bearings

Each

No. 1032—For Wood Track.. .....



Bottom View of Carrier, Illustrating Wide Open Mouth

Each

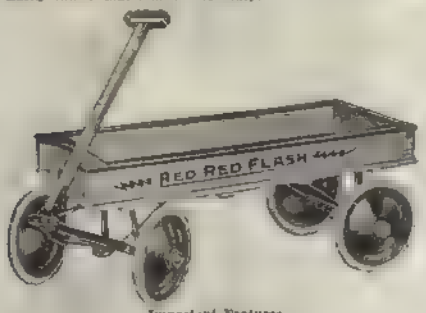
No. 1031—For Double Steel Track .....

Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory

3 Big Coaster Wagon Values!

"RED FLASH"
Roller Bearing Coaster

A low priced coaster wagon, roundly constructed, with a flashy finish that makes sales easy.



Important Features

Body—Seasoned selected wood, [illegible] and grooved bottom [illegible] top rails, [illegible] with metal guard.
All Steel Gear—[illegible], black enameled, [illegible] steel.
Handle—Disc Wheels—[illegible] red enameled, riveted nickel [illegible] enameled roller bearings.
Packing—[illegible] each in [illegible] carton.

1F89—[illegible]-in. body, [illegible] in. corrugated rubber tires, [illegible] per carton, [illegible] lbs. Each **$3.60**
[illegible] Each **3.50**
[illegible] Each **3.45**

1F91—36x16 in. body, 1 in. corrugated rubber tires, improved roller brakes. 1 in carton, 38 lbs. Each **$3.90**
12 or more Each **$3.80**
24 or more Each **3.75**

"OLYMPIC"
All Steel Coaster

"Olympic" gets the all-steel coaster down to a new lower price range with this snappy model.

Important Features

Body—33¾x[illegible] in., one piece sheet steel reinforced with beads in [illegible] and bottom, raised panel [illegible] and [illegible] panels.
All Steel Gear—Black enameled, [illegible] braced.
Double Disc Wheels—[illegible] in. [illegible] roller bearings, nickel [illegible].
Rubber Tires—[illegible] in. balloon type [illegible].
Handle—Curved tubular [illegible] poles, steel.
Finish—[illegible].

1F113—"Olympic" all steel coaster wagon. 1 in [illegible] 70 lbs. Each **$3.75**
6 or more Each **$3.60**

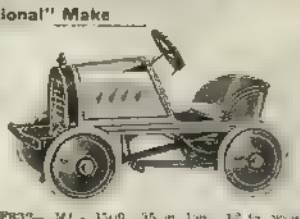
"OLYMPIC"
Roller Bearing Coaster

1F83—[illegible]x16 [illegible] body, [illegible] sides, [illegible] [illegible] [illegible]

CHILDREN'S AUTOS

"American-National" Make

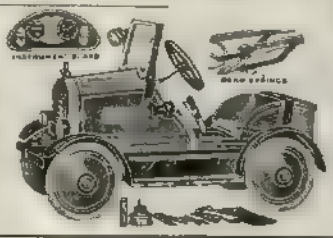
1F844— AJAX," 34 in. long, 12 in. wide, fancy blue body, yellow striping, 10 in. wheels, rubber tires, steering set, nickeled motor meter, 1-piece steel front wheel seat. 1 in carton, 40 lbs. Each **$4.25**



1F832— Mfrs. Roof, 35 in. long, 17 in. wide, turquoise finish body, with gold stripe, 10 in. all steel wheels, 1 in. rubber tires, steering set, nickeled motor meter, lever, motor meter, bumper rear spring, 1 in carton, 45 lbs. Each **$6.00**

1F848 "CYCLONE," 30x12 in. body, strongly constructed, finished in black, red and yellow, 10 in. wheels, ¾ in. rubber tires, nickel plated accessories and trimmings. Equipped with gas control, lever, motor meter and bumper. Each in crate, 71 lbs. Each **$4.50** 12 or more Each **$4.25**

1F837 Mfrs 45-7 "HUPMOBILE," 38 in. long, 12 in. wide, Ozark Blue body, light Blue stripe, 10 in. red enameled steel wheels, ¾ in. rubber tires, rubber pedals, rear springs, gas control, lever, motor meter, steel radiator, windshield, 1 in carton, 44 lbs. Each **$8.75**



1F842— Mfrs 8528M "OVERLAND," 42 in. long, 17 in. wide, maroon body, red panel with striping, 10 in. red enameled double disc steel wheels, ½ in. rubber tires, rubber pedals, rear springs, upholstered seat, windshield, steering wheel gear shift, buzzer horn, motor meter, road lamps, spot light, license plates. 1 in crate, 92 lbs. Each **$14.50**

FOLDING TABLE SET

"Red Riding Hood"

Suitable for indoor and outdoor uses. Folding feature saves space when not in use. Light weight but substantially built, easily and quickly opened and closed. For children from 3 to 10 years.

1F720 3 piece set, red enameled table 18 in. high, top 15x20, two red enameled wood frame chairs, 21 in. high, 12½x11½ striped canvas seats. 1 set in carton, 13½ lbs. SET (3 pcs) **$2.25**

JUNIOR STEAMER CHAIR

An exact replica of the adult size, folds flat, easily carried

1F622 24 in. high, seat 19 in. wide, varnished wood hardwood frame, gray & green striped canvas seat, back adjustable to 3 positions. ½ doz. in bundle, 18 lbs. Doz **$8.25**

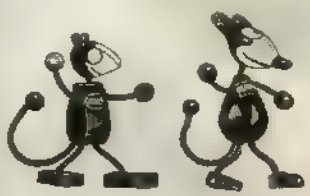
NOVELTY CAT AND MOUSE TOYS

These comic characters are known the country over

"Felix" 4½ in. black head, black and white features and name between ears, rattles loudly when pressed. 1 doz. in box

1F2963 1 moving eye..... Doz **84c**

1F2963—2 moving eyes.. Doz **$1.15**



1F2826 1F2827

1F2826—"Micky" mouse, 4½ in., black enamel on wood head body and feet, wood head, hands and tail, covered wire arms, legs and tail, adjustable to any position. 1 doz. in box. Doz **$2.10**

1F2827 "Ignatz" mouse, 5½ in. high, black enameled wood body, head and feet, white enameled features, wood head, hands and tail, covered wire arms, legs and tail, adjustable to any position, each in box. 1 doz. in carton. Doz **$4.00**

BALLOONS
RUBBER BALLS
On Nearby Page

DOLLS and DOLL SETS

NOVELTY DOLLS FOR FAVORS

2F9408 — Irish boy and girl, 5 in. size, fine composition heads, turned painted features, cloth bodies, jointed arms and legs, assorted costumes. Asstd. 1 doz. in pkg. Doz **75c** Gro **$8.50**

"NEWLY BORN" DOLL

2F6700—6½ in., well modeled from a real baby life-like molding head tinted, painted hair and features, movable arms and legs, white cotton dress with lace trim, in box. 1 doz. in pkg. Doz **1.85**

CELLULOID DOLLS IN KNIT SUITS

Characteristic baby model, stout body, movable arms, painted features and hair, hand crocheted wool suit, blue or pink & blue with contrasting color skirt, hat to match, worsted pompom, string with ring for hanging in carriage.

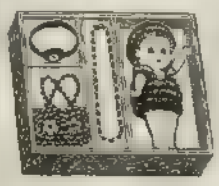
1F5070—5½ in. in 2½x4 fancy box. 6 doz. in pkg. Doz **$4.00**

1F5071 — 8 in., in 10½x4½ fancy box. 3 doz. Doz **$8.00**

CELLULOID DOLL SETS

In Fancy Juvenile Design Covered Box

1F5067—2 styles, 3½ in. celluloid, jointed arms, shoulder head, painted hair and features, legs and arms with flesh color, cloth wrist, with or without shoes and socks. Asstd. 1 doz. set in pkg. Doz sets **$2.00**



1F5068—3 styles, 6 in. celluloid doll, movable arms, shoulder head, painted hair and features, board lettered with snap of wrist with or without hat, gauze trimmed and edged, crepe paper skirt with chain, in 7x9 box. Asstd. ⅓ doz. sets in pkg. Doz sets **$4.00**

OUR TERMS

2% 10 DAYS
1% 30 Days
Net 60 Days

RUBBER TOYS

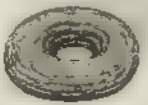
NOVELTY TRICK RUBBER TOYS

The best selling rubber novelties we know of—especially for the summer season.

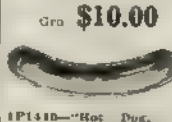
1F1458—"Wet Smoke" 4½ in. boat, sprays water when rubber ball is squeezed, water comes out 10 feet. 1 doz. set. Box **75c**

1F1457—"Loud Smoke," 4½ in. boat, sprays water with loud squawker. 1 doz. set. Box **75c**

1F1470—5 in. assorted natural color soft pliable rubber assortment, 20 in box. Box **75c**

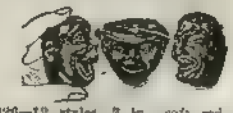


1F1439—Doughnut, average 3½ in. diam. 1 doz. in box. Doz **87c** Gro **$10.00**



1F1418—"Hot Dog," 6 in. long. 1 doz. in box. Doz **87c** Gro **$10.00**

GROTESQUE RUBBER FACES



1F1026—12 styles, 2 in. soft red rubber, when squeezed assume comic expressions. 1 doz. in box. Doz **80c** Gro **$9.00**

WHISTLING RUBBER TOYS

1F1042 — 2 styles, 4½ in. with whistle. 1 doz. in box. Doz **92c** Gro **$10.50**

IMPORTED RUBBER TOYS

2F9570 — 3 styles, 4 in. embossed costumes, painted parts, hinged with wire, presents stick out, hinged. Asstd. 1 doz. in pkg. Gro **$9.00** Doz **80c**

2F9573—6 styles, 3 in. rooster, boy to embossed with whistle. Asstd. 2 doz. in box. Doz **96c**

2F9572—4 styles, 4½ in. embossed and colored with whistles. Asstd. 1 doz. in box. Gro **$9.60** Doz **84c**

"MILLER" RUBBER TOYS TO BE INFLATED

1F1453—"Red Devil," 30½ in., stenciled features. ½ doz. in pkg. Doz **89c** Gro **$10.15**

1F1455 — 12 styles, Straight Boy, Lion, Elephant, Andy Gump, etc. 2 doz. in pkg. Doz **89c** Gro **$10.15**

1F1451 Bathing-girl, 15 in., red cap, name. 2 doz. in env. Doz **89c** Gro **$10.15**

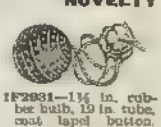
1F1448—4 styles, soldier, sailor girl in naval and new style uniforms. Asstd. 2 doz. in pkg. Doz **89c** Gro **$10.15**

1F1447 "Hot Pup," 12 in., red rubber, speckled. ½ doz. in env. Doz **89c** Gro **$10.15**

RUBBER RATTLES

1F1636 Dog and bear, 4½ in. Asstd. 1 doz. in box. Doz **84c** Gro **$9.60**

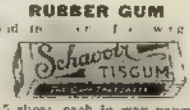
SURPRISE NOVELTY



1F2931—1¾ in. rubber bulb, 19 in. tube, metal lapel button. When bulb is squeezed water shoots out. 1 doz. in carton. Doz **84c** Gro **$9.60**

RUBBER GUM

Splendid for use in wet or dry weather



1F1465—5 sticks, each in wax paper and tinfoil fancy pack wrapper. 3 doz. packs in box. Doz packs **42c** Gro **$4.80**

WRENCHES

COES GENUINE KNIFE HANDLE

Black Finish

Forged Steel Head and Bar, Hardwood Handle, Riveted Under Pressure.

Length, Inches	6	8	10	12
Open, Inches	⅝	1⅛	1¾	2¼
Weight Dozen, Lbs.	9	15	26	40½
Per Dozen	$15 00	18 00	22 00	28.00
Length, Inches		15	18	21
Open, Inches		2⅛	3⅛	3⅝
Weight Dozen, Lbs.		58	79	107
Per Dozen		$38.00	48 00	58 00

6 to 12 in., One-half Dozen; 15 and 18 in., One-third Dozen; 21 in., One-twelfth Dozen in a Package

COES STEEL HANDLE

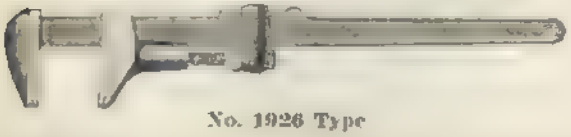
Black Finish

Hardened Special Steel Bar, Jaws and One-piece Screw Steel Handle. 12 in and Larger have Ball Bearing Screw

Length, Inches	6	8	10	12
Opens, Inches	⅝	1⅛	1¾	2¼
Weight Dozen, Lbs.	9	16	28	44
Per Dozen	$15.00	18.00	22.00	28.00
Length, Inches		15	18	21
Opens, Inches		2⅛	2⅝	4⅛
Weight Dozen, Lbs.		64	89	125
Per Dozen		$38.00	48.00	58.00

6 to 12 in., One-half Dozen; 15 and 18 in., One-third Dozen. 21 in., One-twelfth Dozen in a Package

COES KEY MODEL



No. 1926 Type

Forged Steel, Hardened and Tested, Self-Contained Key cannot come off

Length, Inches	28	36
Opens, Inches	5⅛	6¼
Takes Pipe Union, Inches	4	5
Weight Each, Lbs.	19	27
Each	$18 00	38.00

BEMIS & CALL KNIFE HANDLE

No. 62—Black Finish

Forged Steel Bar and Head, Malleable Iron Frame, Hardwood Handles, Riveted Over Countersunk Washers to prevent splitting.

Length, Inches	6	8	10	12
Opens, Inches	⅞	1¼	1¾	2⅛
Weight Dozen, Lbs.	9	16	25	40
Per Dozen	$15.00	18 00	22.00	28 00
Length, Inches		15	18	21
Opens, Inches		2⅞	3⅛	4
Weight Dozen, Lbs.		53	80	105
Per Dozen		$38.00	48.00	58 00

6 to 12 in., One-half Dozen; 15 and 18 in., One-third Dozen, 21 in., One-twelfth Dozen in a Package.

WRENCHES

TRIMO KNIFE HANDLE

With Patent Nut Guards

The Stationary Handle and Jaw are Drop Forged from One-piece High Grade Steel. Hardwood Grips securely attached to Handle

Length, Inches	6	8	10	12
Opens, Inches	1	1⅛	1⅜	2¼
Weight Each, Lbs.	½	1¼	1⅞	3¼
Per Dozen	$15.00	18.00	22 00	28.00
Length, Inches		15	18	21
Opens, Inches		2⅝	3¼	4⅛
Weight Each, Lbs.		5	7	9⅛
Per Dozen		$38 00	48.00	58 00

Six in a Box

BEMIS & CALL SHORT NUT

No. 37—Merrick Pattern

One-piece Forged Steel Head, Bar and Shank, Black Finish, Hardwood Handle

Length, Inches	8	10	12	15	18
Opens, Inches	1½	1⅞	2⅛	2⅝	4
Weight Dozen, Lbs.	13	19	30	45	66
Per Dozen	$18 00	22 00	28.00	38 00	48.00

One-Half Dozen in a Box.

BEMIS & CALL LONG NUT

No. 38—Briggs Pattern

One-piece Forged Steel Head, Bar and Shank, Black Finish, Hardwood Handle.

Length, Inches	8	10	12	15	18
Opens, Inches	1⅝	2⅛	2¼	2⅝	4
Weight Dozen, Lbs.	14	20	32	48	68
Per Dozen	$18.00	22.00	28 00	38.00	48 00

One-half Dozen in a Box

AGRICULTURAL

Black Finish

Forged Steel Head, Bar and Shank, Steel Screw, Hardwood Handle

Length, Inches	6	8	10	12	15
Open, Inches	⅞	1⅛	1⅝	1⅝	2⅛
Weight Dozen, Lbs.	9	14	20	28	40
Per Dozen	$10 00	12 00	14.00	18 00	24.00

One-half Dozen in a Package

CRESCENT AUTO

Polished Finish

Forged Steel, Tempered. Spring under Adjusting Nut holds the Setting of the wrench after it has been adjusted.

Nos.	019	0111
Length, Inches	9	11
Open, Inches	3	2⅞
Weight Each, Oz.	14	24½
Per Dozen	$9 00	15.00

One in a Box

ROLLING LADDERS
COBURN PATTERN
STYLE "A"

Will Run on Curved or Straight Track

The Heavy, Ball Bearing Top Carriage consists of a Steel Bar and two Drop Forged Steel Pendants which allow the carriage to swivel.

The Track is the Original Coburn Round Trough inclosed track, with forged steel track brackets spaced not over 6 ft. apart.

The Bottom Rolls are Coburn Rubwood Wheels, made with layers of laminated wood impregnated with rubber with a heavy rubber tread as part of the wheel. Wheel is steel bushed.

Solid Straight Sides, Natural Wood Finish

Sides 4½ in. Wide, Treads 5½ in. Wide, Ladder 14 in. Wide over all, 5½ in. Pitch to a Foot in Height, Well Braced, Strong and Rigid

Hard Pine—Complete up to 16 ft. Long, Weight Each Complete About 65 Lbs.	Each,	$20.00
Oak—Complete up to 16 ft. Long, Weight Each Complete About 67 Lbs.	Each,	24.00
Extra Length—Over 16 ft., Add	Per Foot,	1.00
No. 1 Track—Coburn, with Brackets	Per Foot,	.25
Ladder Carriage—With Bolts	Each,	8.00
Bottom Rolls—With Brackets	Per Pair,	4.00
Bottom Rolls—Rubwood Wheels Only	Per Pair,	2.50
Adjustable Side Shelves	Each,	2.00
Pine Ceiling Strips	Per Foot,	.20
Oak Ceiling Strips	Per Foot,	.30

Open Stock.

STYLE "B"

Will Run on Curved or Straight Track

The Carriage has slides which allow the Ladder to be pushed back against the shelving into a vertical position out of the way when not in use.

The Track is straight grained hardwood accurately turned to 1¼ in. round, polished and oiled.

The Track Brackets are Steel or, occasionally heavy Cast Iron.

The Bottom Rolls are Coburn Rubwood Wheels as described above.

Straight or Bent, Natural Wood Finish

Sides 3 in. Wide, Treads 4 in Wide, Ladder 16 in. Wide Over All, 2½ in. Pitch to a Foot in Height, Strengthened and Braced with Steel Rods and Brackets.

Hard Pine—Straight Ladder, Complete, Weight Each About 48 Lbs.	Each,	$18 00
Oak—Straight Ladder, Complete, Weight Each About 50 Lbs.	Each,	22 00
Bent Ladder—Pine or Oak, Add	Each,	3.00
Track—Wood, with Brackets End Stops	Per Foot	20
Track Brackets	Each,	.15
Ladder Carriage—Complete	Each,	6.00
Bottom Rolls—Complete with Brackets	Per Pair,	4.00
Bottom Rolls—Rubwood Wheels, Only	Per Pair,	2.50
Adjustable Side Shelves	Each,	2.00

Open Stock

ROLLING LADDERS
COBURN PATTERN

STYLE "C"

For use when there are obstructions or conditions of the floor which will not permit a ladder to run over it.

Track is Tubular Iron which must be securely fastened, preferably to uprights to secure sufficient strength.

Top Carriage is the same as furnished with Style "B"

The Ladder is of the same material and workmanship as Style "B."

Instead of Bottom Rolls, the Style "C" is furnished with Rubber Covered Fender Rolls that roll against edge of counter ledge.

Bent Ladder

Hard Pine—Complete, Weight Each 45 Lbs.	Each,	$15.00
Oak—Complete, Weight Each 48 Lbs.	Each,	22.00
Track—Tubular Iron, with Brackets	Per Foot,	.30
Ladder Carriage—Complete	Each,	6.00
Fender Rolls—Complete with Brackets	Per Pair,	2.00
Fender Rolls—Rubber Covered Rolls Only	Per Pr.,	1.00
Adjustable Side Shelves	Each,	2.00

Open Stock

STYLE "D"

For use in Vaults, File Rooms and all small rooms where it is desirable to transfer the ladder to different runs of track in the same room

The top fittings allow the ladder to be easily removed from the track. By having tracks properly arranged, all parts of shelving are easily accessible by moving ladder from one track to the other

High Grade Ladder. Wood Track same as with Style "B." Coburn Rubwood Bottom Rolls, same as with Style "B"

Straight or Bent Ladder

Hard Pine — Straight Ladder, Complete, Weight Each 48 Lbs. . . . Each, $12 00

Oak—Straight Ladder, Complete, Weight Each 50 Lbs . . . . . Each, 16 00

Bent Ladders—Pine or Oak, Add	Each,	$2 00
Track—With Brackets and End Stop	Per Foot,	.20
Track Brackets	Each,	20
Top Hooks	Per Pair	1.00
Bottom Rolls—Complete with Brackets	Per Pair,	4 00
Bottom Rolls—Rubwood Wheels Only	Per Pair,	2 50
Adjustable Side Shelves	Each,	2.00

Open Stock

Note 1—Write for Order Blanks, Fill in all Measurements Accurately.

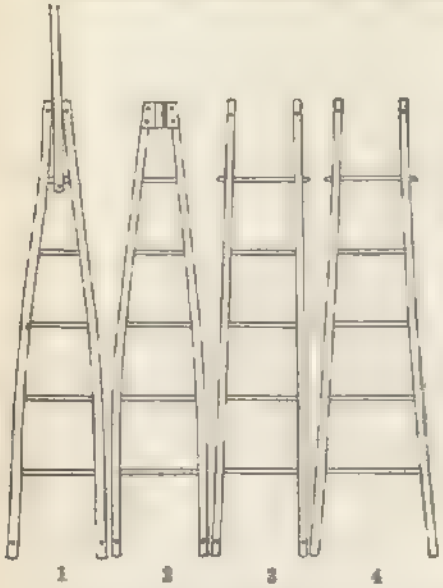
Note 2—Allow 12 in. Clear Space above Track for top of Ladders Style "B," "C" and "D."

Note 3—Straight Ladders are recommended wherever distance from counter ledge to where track is located is 4 ft. or more and ledge does not exceed 12 in. in width.

Note 4—For Style "C" give Exact Distance Center to Center of Shelf Uprights and, if Track is to be attached to Uprights, give Thickness of same.

LADDERS

WINDOW CLEANERS AND FRUIT PICKERS



Clear Spruce, Selected Rungs

6¼ ft. long, 15 in. wide over all at point of connection, ⅞x2¾ in. side rails.

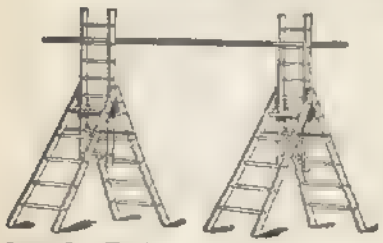
Window cleaner's section is brought close together and provided with hollow piece to fit on corner of window sash and door jambs.

Fruit picker's section is fitted with a 2 foot straight extension.

	Per Section
No. 1—Top Fruit Packer's Section, Weight Per Section 9 Lbs.	$3.50
No. 2—Top Window Cleaner's Section, Weight Per Section 8 Lbs.	3.50
No. 3—Regular or Middle Section, Weight Per Section 7 Lbs.	3 25
No. 4—Bottom or Flare Section, Weight Per Section 7 Lbs.	3 25

Open Stock.

PAINTERS TRESTLES



RICH EXTENSION

Selected Stock

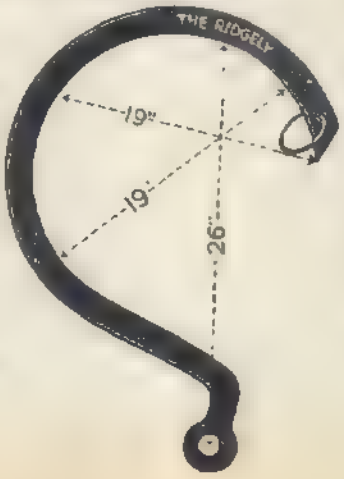
The length of the trestle is exclusive of the extension part.

The extension part of each trestle is the same length as the trestle itself.

Length, Feet	6	8	10	12	14	16
Weight Each, Lbs.	39	52	65	78	91	104
Per Foot	$0.60	.60	.60	.65	.65	.65

Open Stock.

STAGING HOOKS



High Carbon Steel, Black Japanned

Per Pair

No. 94—29 in. Long, Steel 2 in. Wide by ⅛ in. Thick, One Pair Will Support a Load of 1500 Lbs. with Absolute Safety, Weight Per Pair 40 Lbs. $3.40

Open Stock.

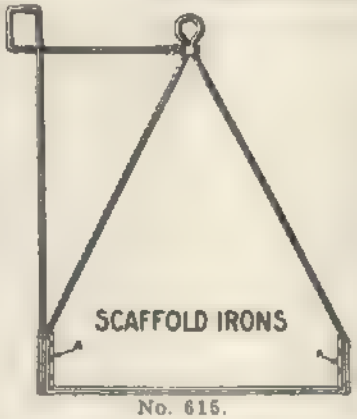
PAINTERS SCAFFOLDS

Clear Norway Spruce Side Rails

Selected Hardwood Rounds, Seats Nailed to Rounds, Iron Brace Rods at Each End.

	Each
No. 1—16 ft. Long, Weight Each 80 Lbs.	$ 9 00
No. 2—20 ft. Long, Weight Each 100 Lbs.	14.00

SCAFFOLD IRONS



No. 615.

No. 615—With Safety Back

A piece of 2x4 slipped in the loops at top prevents danger of falling off backward. Made of the best ½ in. round steel with 1½x⅛ in steel bottom.

Will hold a down weight of 2000 pounds.

Width, Inches...	24½
Per Pair	$12 00
Width, Inches..	28½
Per Pair	$12 00

Weight Per Pair 25 Pounds.

No. 615½—Without Safety Back

Otherwise Same as No. 615

Width, Inches	24½	28½
Per Pair	$11.00	11.70

Weight Per Pair About 25 Pounds.

Open Stock.

LADDER JACKS

"SAFETY"

In Reverse Position.

Four Point Suspension On Side Rails

Not dependent on the strength of the rungs. The strain is entirely on the side rails.

Consequently, this is the safest ladder jack made.

Strong, rigid, safe and compact. An alloy steel bolt forms an unbreakable hinge

High Grade Steel, Black Japanned

Per Pair

Safety Ladder Jack—Wt. Per Pair 23 Lbs. $4.50

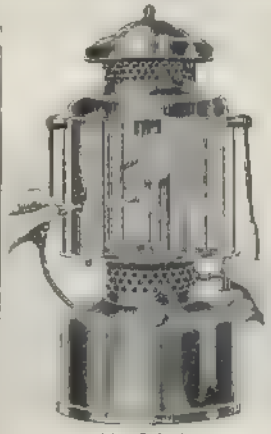
Six Pairs in a Case.

COLEMAN QUICK-LITE LAMPS AND LANTERNS.

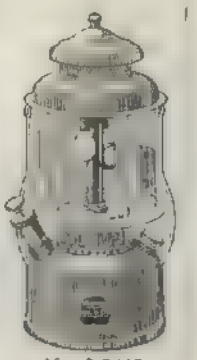
THE SUNSHINE OF THE NIGHT. LIGHT WITH MATCHES -NO TORCH NECESSARY.

Net Each

NO. CQ329—The standard model for home lighting. Nickel plated fount holds three pints fuel. Equipped with opal paneled shade. One in a carton, complete with shade, mantles, pump, wrench and generator. Shipping weight 10½ lbs..... $12.50



No. LQ327.



No. LQ427.

Net Each

NO. LQ327—Quick-Lite Lantern, is the fastest selling lantern on the market. It is wind-prof, rain-proof and bug-proof. One in a carton, complete with chimney, mantles, pump, wrench, cleaning pick and extra generator. Shipping weight, 6 lbs. . $10.50

NO. LQ427—Same as LG327 except has pump built in fount $12.00

Net Each

NO. CQ317—Fitted with crystal beaded fringe shade. Very attractive and gives a beautiful lighting effect. One lamp in carton, complete with shade, mantles, pump, wrench, hanger, cleaning pick and extra generator Shipping weight, 10 lbs.....$14.50

Net Each

NO. CQ333—A Quick-Lite Lamp with asbestos coated wire insect screen that protects the mantles from flying insects. For outdoor use. Shipped complete with shade, pump, mantles, screen, wrench, hanger, cleaning pick, extra generator. Shipping weight 11 lbs. $14.00

Net Each

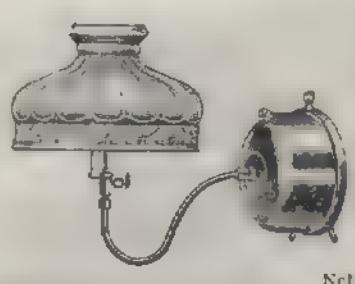
NO. CQ318—This Quick-Lite Lamp has a fancy tan tinted shade that is overlaid with pink wildflowers and green foliage decorations Shipped complete with shade, pump, mantles, wrench, hanger, cleaning pick, extra generator . Shipping weight 11 lbs .. $14.00

Net Each

NO. CQ324—This Quick-Lite Lamp has a four-paneled, white opal shade, delicately tinted in green. The panels are overlaid with harmonizing floral and foliage decorations. One in carton complete with same equipment as No. CQ329. Shipping weight 11 lbs. $11.00

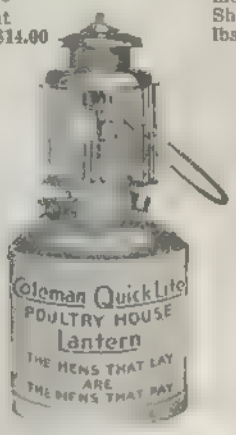
Net Each

NO. 1Q324—This Quick-Lite Lamp has an enameled, unbreakable steel shade, finished in green outside and white inside. For shop or concession use. One in carton complete with shade, mantles, wrench, pump, hanger, pick and extra generator. Shipping weight 10 lbs. $15.00



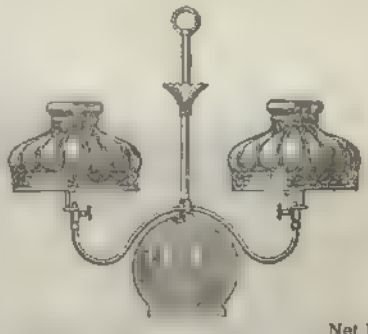
Net Each

NO. BQ329—This is a Quick-Lite Wall Lamp for use over desks, in bath rooms, kitchens or rooms with low ceilings. Can also be used as a table lamp. One in carton complete with a No. 329 shade, mantles, pump, wrench, pick and extra generator. Shipping weight, 15 lbs.....$13.50



Net Each

NO. E20—Poultry House Lantern, is made especially for poultry men. Quick-Lite construction with a five-quart galvanized fount. One filling will give fifty hours service. One complete packed in a carton. Weight 18 lbs. each . . . $15.00

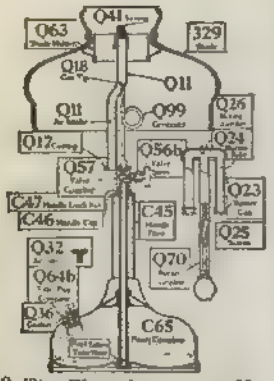


Net Each

NO. PQ320—A Quick-Lite Chandelier that is just the thing for use in large rooms, schools, halls, churches, stores. Lights with matches. Is fitted with same shades as the CQ329 lamp. One in carton complete with shades, 4 mantles, pump, wrench, pick and two extra generators. Shipping weight 16½ lbs.....$24.00

COLEMAN QUICK-LITE REPAIRS AND SUPPLIES.

MODEL CQ QUICK-LITE LAMP.



NO.		Net Each
C 5	Finishing Shell	$0.50
Q11	Burner Support Tube only	.80
Q17	Burner Support Casting	.20
Q18	Gas Tips	.10
Q23	Burner Cap Complete	.30
Q24	Burner Tube	.20
Q25	Burner Cap Screen, 2 for	.10
Q26	Mixing Chamber	.80
Q32	Air Stem	.30
Q36	Lead Gaskets, 2 for	.10
Q41	Shade Holder Screw	.10
C45	Handle	.40
C45	Handle Complete	.60
C46	Fiber Handle Cap	.10
C47	Handle Lock Nut	.10
Q56b	Valve Stem and Nut	.40
Q57	Valve Complete	1.00
Q63	Universal Shade Holder	.40
Q64b	Fille. Plug Complete	.80
C65	Fount with Filler Plug	7.50
C69	Hanger	.10
Q70	Burner, Generator and Valve, assembled	4.00
Q99	Generator Complete	.50
Q	Wrench	.30
Q	Pump for all Portable Lamps and Lanterns	1.00
Q	Tip Wrench	.10
Q	Tip Cleaning Needle	.10
Q	Pump Leathers	.10
Q007	Picks	.10

MODEL LQ QUICK-LITE LANTERN.

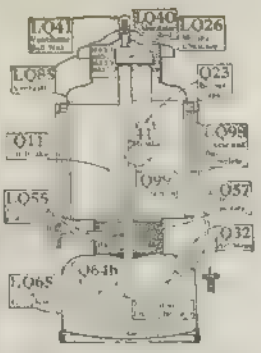
Burner and Generator Parts Same as CQ Lamps.

NO.		Net Each
Q11	Burner Support Tube	$0.60
LQ19	Burner Frame Washer	.10
Q32	Air Stem	.30
Q36	Lead Gasket 2 for	.10
LQ10	Ventilator Rod	.10
LQ41	Ventilator Ball Nut	.10
LQ55	Valve Stem and Nut	.40
LQ57	Valve Complete	1.00
Q64b	Filler Plug Complete	.80
LQ65	Fount with Filler Plug	6.00
LQ70	Complete Burner, Valve and Generator	3.50
LQ85	Ventilator	2.10
LQ89	Globe Base Rest	.60
LQ98	Globe and Bell complete	1.60
LQ	Wrench	.30

Model PQ Chandelier.

Refer to Model CQ Lamp for Valve, Generators and Burner Parts for Chandelier and Bracket Lamps.

NO.		Net Each
Q36	Lead Gaskets 2 for	$ 0.10
Q64b	Filler Plug complete	.80
P65	Fount with Filler Plug	10.00
P74	Arms and Connections Complete	4.00
Q	Wrench	.30



Model BQ Bracket Lamp.

Q36	Lead Gaskets, 2 for	$0.10
B42	Hanger ring on Fount	.20
Q64b	Filler Plug Complete	.80
B65	Fount with Filler Plug	8.00
Q	Wrench	.30
LQ	Pump Leathers	.10

CONTENTS OF THE QUICK-LITE SUPPLY CASE.

4	Q57	Valves.
4	Q64 b	Filler Plugs.
3	Q	Pumps.
4	Q23	Burner Caps Complete.
4	Q24	Burner Support Tubes
4	Q25	Burner Cap Screens.
1	Q26	Mixing Chamber.
1	Q11	Air Intake Burner Support
1	LQ57	Lantern Valves
1	Q56 b	Valve Stem and Nut
1	LQ55	Valve Stem and Nut
2	C46	Handle Caps.
1	C45	Handle Fiber.
2	C47	Handle Lock Nuts
3	C65	Lamp Hangers.
6	Q-6	Gaskets
12	Q18	Gas Tips.
6	Q	Pump Leathers.
1	Q63	Shade Holder
2	Q	Tip Wrenches.
12	Q99	Generators.
2	LQ41	Ventilator Ball Nut
2	Q41	Shade Holder Screws.
3	Q	Wrenches.
3	LQ	Wrenches
1	Q17	Casting
12	Q007	Tip Cleaning Picks.
1		Metal Supply Case, 28 Gauge, 13⅝x7½x5⅝ in.

Net Each

NO. 1—Quick-Lite Supply Case packed complete, weight 8 lbs. . $30.00
NO. J—Supply Case only. Weight 2½ lbs. . $3.00

COLEMAN MANTLES.

Help the sale of Coleman Quick-Lite Lamps and Lanterns by giving your customers better light and longer service. Made just right in size, shape and weave to treatment to work properly with the Coleman gas tip and air-intake in producing the wonderful 300-candle power brilliance.

Each gross of Coleman Mantles comes packed in the handsome counter carton illustrated here. Beautifully printed in orange and purple. Reminds regular Quick-Lite users that they can save money by buying mantles by the dozen. Increases your profits.

Net per dozen . $1.50
Net per gross, In gross lots . 15.00
Net per gross, in seven gross lots . 14.00

Net Each

NO. 327 Mica Chimneys, for No. LQ327 Lantern $1.20

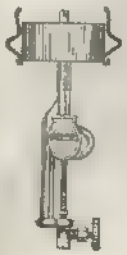
Net Each

NO. 329—An opal panel style shade designed especially for Quick-Lites. Artistic and durable. A splendid value . $2.00
In 1 doz. lots, per doz. $16.00
In half-doz. lots, net per doz. . $18.00

Net Per Doz.

NO. 307 Ribbed Opal for No. 329 Lamps . $13.00

We do not break cartons of half dozen.



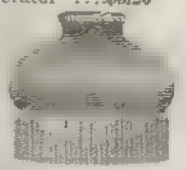
No. Q70 Burner. is the first and only successful match generating gas burner on the market, and is fully covered by patents. Dealers who have used or sold gasoline lamps will quickly recognize the big advantage a match lighting lamps has over the torch lighting styles.
Net each . $4.00

Net Each

NO. 334—Green Enameled Steel . $3.20

No. Q99 Generator.
The Quick-Lite Generator will burn 500 to 800 hours without renewing. When finally filled with carbon, replace with extra generator furnished with each lamp. The hole in gas tip (Q18) is easily cleaned with tip cleaner as illustrated. If tip becomes clogged, clean or replace with new tip furnished free with every lamp.
Net each . $0.50
Net per doz. in doz. lots . $5.00
Net per doz.

NO. Q77 -New Style Generator . $3.20



Net Each

NO. 317 [illegible] shade [illegible] mented with imported beaded fringe . $1.00

Net Each

NO. 333 White [illegible] covered wire bug screen for Nos. CQ329, CQ317, CQ318 and CQ324 Quick-Lite Lamps . $1.50
NO. 810—Mantle Protector .80

Net Each

NO. 318—Beautifully decorated in tints of tan with wild rose clusters . $3.10

Net Each

NO. 324 Green Enamel Floral, as on 324 Lamp. $3.10

CALLS.

GOOSE AND CRANE.

Nickel plated brass shell with telescope extension; wood mouth piece and reed holder; pipe organ reed.

Fuller. Wt. doz., 3½ lbs....Each $1 65

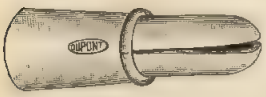
DUCK.

Allen's. Maple shell, natural finish; brass reed with cedar holder contained in a brass tube; heavily nickel plated. Will give call of any species of duck or waterfowl. Wt. doz., 2 lbs. .....Each $1 00

Broad Bill. Latest invention; will produce, with perfect accuracy, any call of our native ducks, from the short, choppy Teal to the long, dignified call of the Mallard. Wt. doz., 2 lbs. .....Each $0 75

CROW.

Purdue. Wood shell, nickel plated end. Wt. doz., ¾ lb.....Each $1 00



Dupont.

Made of ivory pyralin, in four pieces, easy to adjust. Will give the service a sportsman expects. Assorted colors. Wt. doz., ½ lb.

Dupont .....Each $1 00

CALLS.

CROW.

Jahn.

Made of ivory pyralin, in four pieces. Gives a most natural tone. Wt. doz., ½ lb.

Jahn .....Each $1 00

HOW TO USE A CROW CALL.

Place the very ends of the two split halves of the call to the lips and give short, quick blows; do not attempt to place the lips over the entire end, but just the very point, leaving the two sides of the "Call" open for a portion of the air to pass out. If a finer tone is wanted, close the front teeth upon the split halves, hold in the right hand while blowing, with the hand in a hollow shape around the end. This produces the deep call of the crow. Use care to keep dirt out of the call and do not dip in water, but keep dry.

PLAYING CARDS.

CONGRESS.

Look for the name "Congress" on every box.

No. 606W. Air cushion finish; gold edges; whist size, 2¼x3½ inches. Backs are reproductions of the most artistic paintings in full color and gold. Wt. doz., 3¼ lbs. .....Package $0 85

BICYCLE.

FRONT OF BOX.

No. 808. Ivory or cushion finish, standard size, 2½x3½ inches. Backs carried in stock: Rider, Racer, Wheel. Wt. doz., 8 lbs.....Package $0 55

PLAYING CARDS.

BICYCLE BRIDGE.

Front of Box

No. 86. Bridge size, 2¼x3½ inches. Same quality and backs as No. 808. Wt. doz., 2½ lbs.....Package $0 55

BICYCLE PINOCHLE.

Front of Box

No. 48. Ivory or cushion finish. Size, 2½x3½. Same quality and backs as No. 808 Bicycle. Wt. doz., 3 lbs. .....Package $0 55

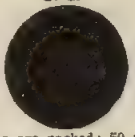
STEAMBOAT.

Front of Box

No. 999. Standard size, 2½x3½ ins. Blue star, green star, red star; two two-color plaid backs. Wt. doz., 3 lbs. .....Each $0 35

POKER CHIPS.

U. S.



All chips are packed: 50 white, 25 red, 25 blue in each box of 100, unless otherwise ordered.

Plain. 1½ inch composition. Packed 100 in a box. Wt.box,1¾ lbs. Box $1 00

Paper. 1½ inch, unbreakable. Packed as above. Wt. box, 1 lb..Box $1 00

Trolit. 1½ inch. Unbreakable and non-inflammable composition. Packed 100 in a box. Wt.box,1¾ lbs.Box $2 50

TARGETS.

WHITE FLYER.

As a breaker and producer of high scores, the White Flyer stands alone; the white band lending material advantage over any other color against any kind of background

White Flyer. Wt. bbl., 154 lbs. (570 in a barrel) .....Barrel $8 00

PAPER.

Paper. For rifle use.....100 $0 30

Paper. For revolver use.....100 [illegible]

DUCK COLLARS.

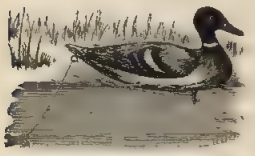
For use on live decoys. ⅝ inch leather, ring on each end. Wt. doz., 3 ozs. .....Dozen $0 75

DUCK SNAPS.

No. 29—Nickel. Swivel snaps to use with duck collars. Wt. doz., 4 ozs. .....Dozen $1 00

DECOYS.

COLLAPSIBLE CANVAS.



Duck. Fitted with lead valves; packed 1 dozen in a neat, hinged box with handle and clasp; same patterns as wood decoys. Wt. doz., 8¾ lbs..Each $1 35

Goose. Full size; fitted with lead valves; packed as described above. Wt. doz., 10 lbs. .....Each $2 25

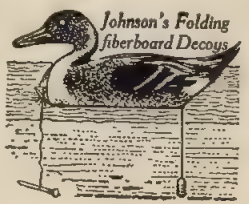
DECOYS.

WOODEN DUCK.

No. 1. Made from selected cedar, painted true to life; glass eyes; carried in the following patterns: Teal, Mallard, Widgeon, Sprig, Blue Bill and Canvas-back. Wt. doz., 21 lbs.....Each $1 25

No. 1. With Leads and Strings Complete .....Each $1 40

FOLDING.



Johnson's. Printed in natural colors on tough jute fibre board, better than that used in high-grade shot gun shells, so thoroughly waterproofed and reinforced that they last indefinitely. They have every appearance of a full, round duck body, ride perfectly in any weather and the slightest wind keeps them moving, making them most effective.

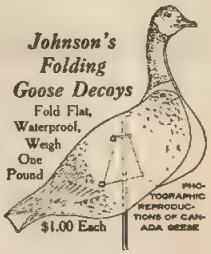
The ⅝-inch cedar float, also waterproofed, slides snugly inside the body to spread and float it. A balancing device attached to the float makes tipping impossible. Suggestions for different ways of using are printed on bottom of each decoy.

Carried in Mallards, Canvas Back, Sprig and Widgeon. Wt. doz., 7 lbs. .....Each $0 55

Packed ½ doz. in canvas bag.

DECOYS.

FOLDING GEESE.



Johnson's. A wonderful goose decoy. Life-like, light and inexpensive. Photographic reproduction of Canada geese and Brandt in natural colors on tough jute fibre board. Triangular frame on heavy wire stake holds body open. Folds flat for carrying. Wt. each, 1 lb. Packed one dozen in canvas bag; ⅔ doz. Canadian Honkers and ⅓ doz. Brandt .....Each $1 00

GAME CARRIERS.

No. 1 No. 89

No. 1. Three strap; rawhide; extra heavy sole leather; stitched handle; fancy stamped. Wt. doz., 7 lbs. .....Each $2 75

No. 2. Four strap; rawhide; extra heavy leather; stitched handle; fancy stamped. Wt. doz., 8 lbs. .....Each $3 25

No. 89. Barnum, with canvas center piece; shaped wire at each end in which to carry game. Wt. each, 2¼ ozs. .....Each $0 20

40 Line Screen Halftone on Zinc Produced as Follows:

(1) 120 line screen Halftone made to accentuate tonal values.
(2) Enlarged negative direct from copper halftone
(3) Velox enlargement from the enlarged negative—11 x 14 inches.
(4) Art work on enlarged print to accentuate detail.
(5) Line negative from retouched enlarged print reduced to size.

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EVERYBODY'S BOY
COLONEL CHARLES A. LINDBERGH

This insert of two page newspaper illustrations engraved by
The Universal Engraving & Colorplate Co., Cleveland and Buffalo

Courtesy of Lee & Walker Dry Goods Co.

Four Color Hemstitch Plates on Line

CRETONNE CATALOG ILLUSTRATION

Reproduced from Outline Pen drawing, merchandise used as color guide

Engraved by SANDERS & MELSHEIMER, ST LOUIS

COLT'S REVOLVERS.

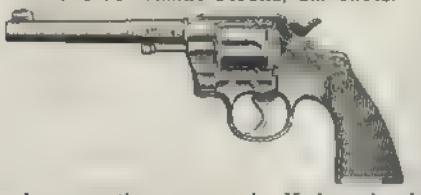
EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE

Fully Guaranteed by the Manufacturers for Use with Smokeless and Other Powders in Standard Factory Loaded Revolver Ammunition

DOUBLE ACTION, SIMULTANEOUS EJECTION.

ARMY SPECIAL.

Jointless Solid Frame, Full Blued Finish, Checkered Walnut Stocks, Six Shots.



An arm without an equal. Medium in size and weight, simple yet strong, absolutely reliable and perfectly safe. The Colt Positive Lock removes every liability of accidental discharge

4 AND 6 INCH BARRELS, BLUED. Net each

NO. 32 20CAS4—4 in. barrel, for 32 20 Winchester cartridges, weight 34 ozs. ..... List each $30 00 **$48.00**

NO. 32 20CAS5 5 in. barrel, otherwise same as No. 32 20CAS4 . List each $30 00 **48 00**

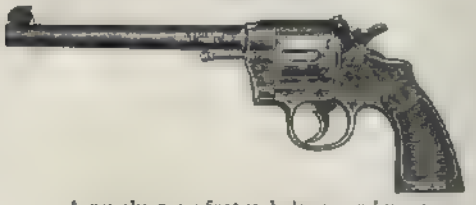
NO. 32 20CAS6 –6 in. barrel, otherwise same as No. 32 20 CAS4..... .List each $30 00 **48.00**

NO. 38CAS4—4 in. barrel, uses 38 long Colt, 38 short Colt, 38 Colt special, also 38 S. & W. special, full and mid range loads. .....List each $30.00 **48 00**

NO. 38CAS5 –5 in barrel, otherwise same as No. 38 CAS4 . List each $30 00 **48 00**

NO 38CAS6 6 in. barrel, otherwise same as No. 38CAS4..... List each $30.00 **48.00**

OFFICER'S MODEL, TARGET.



A revolver perfect in balance and very popular with expert shots, also with those who desire a fine Target Revolver at a medium price. Contains the Colt Positive Lock which prevents accidental discharge. Sights: Front sight adjustable for elevation, Rear sight with adjusting screw, adjustable for windage.

4½, 6, 7½ INCH BARRELS, BLUED

0.38COM4½—4½ in. barrel, for 38 S. & W. special, also 38 Long Colt special, weight 34 oz.....List each $40.75 **$65.20**

NO 38COM6—6 in. barrel, otherwise same as No. 38COM4½...List each $40.75 **65.20**

NO. 38COM7½ 7½ in. barrel, otherwise same as No. 38COM4½.List ea. $40.75 **65.20**

POLICE POSITIVE TARGET

22 CALIBER, 38 FRAME

A new high grade revolver on a 38 frame, having a full, comfortable and proper wood grip, and adapted for the use of the inexpensive 22 caliber ammunition. Contains the Colt Positive Lock which prevents accidental discharge, rear sight, adjustable for elevation, adjustable for windage, movable front sight, six shots, double action, wt. 26 oz., blued. **6 INCH BARREL, BLUED**

NO. 22SLCPPT—6 in. barrel, shoots 22 short or 22 long rim fire cartridges .....List each $30.00 **$48.00**

NO. 22WCPPT—6 in. barrel, shoots 22 W. R. F. cartridges.List each $30.00 **48.00**

Note. These revolvers will not shoot cartridges other than those designated

POLICE POSITIVE.

Jointless Solid Frame, Full Blued Finish. Checkered Walnut Stocks, Six Shots.

This model is equipped with the Colt Positive Lock which is an absolute safeguard against accidental discharge.

"The revolver with a Grip." Light, compact, high velocity and penetration, and very accurate, an ideal pocket or house arm.

4 INCH BARRELS, BLUED. Net each

NO. 32CPP—Using 32 Colt Police Positive, also .32 S. & W. short and long cartridges, when barrel is stamped ".32 Police Ctg.," length over all 8½ inches, weight 20 ozs . ... List each $27 00 **$43 50**

NO. 38CPP—Using 38 Colt's Police positive and 38 S. & W. cartridges only, weight 20 ozs .....List each $27.00 **43.50**

POLICE POSITIVE SPECIAL.

Checkered Wood Stocks.

This revolver is fitted with the Colt Positive Lock. The most compact and also the lightest revolver ever produced to take this powerful ammunition, the most effective pocket and house arm on the market.

4 AND 5 INCH BARRELS, BLUED.

Net each

NO. 32 20CPPS4—4 in. barrel, for 32 20 Winchester cartridges, weight 22 ozs. .. .. List each $28.50 **$45 70**

NO. 32 20CPPS5 5 in. barrel, otherwise same as No. 32 20 CPPS4 ....List each $28.50 **45 70**

NO. 32 20CPPS6 6 in. barrel, otherwise same as No. 32 20CPPS4..... List each $28.50 **45 70**

NO. 38CPPS4 - 4 in barrel, using in the same arm .38 long Colt, .38 short Colt .38 Colt special, .38 S. & W. special, full or mid range loads, length over all 8½ inches, weight 22 ozs ..... List each $28.50 **45 70**

NO. 38CPPS2 - 2 in. barrel otherwise same as No 38CPPS4 .... **45 70**

NO. 38CPPS5—5 in. barrel, otherwise same as No.38CPPS4 List each $28.50 **45.70**

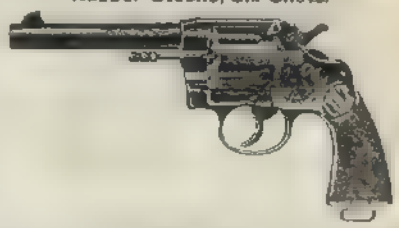
NO. 38CPPS6 6 in barrel, otherwise same same as No. 38CPPS4 ....List price $28.50 **45.70**

ALL ONE ONLY IN A BOX.

CAN FURNISH NICKLE FINISH AT SAME PRICE FOR FACTORY DELIVERY

NEW SERVICE.

Jointless Solid Frame, Full Blued Finish. Rubber Stocks, Six Shots.



A heavy particularly strong and serviceable arm made in large calibers. Adopted by Military Organizations and Mounted Police. A most excellent weapon for hunters and campers. Fitted with the Colt Positive Lock, which prevents accidental discharge.

5½ INCH BARRELS, BLUED.

Weight 40 oz.

Net each

NO. 38-40CNS5½ 5½ inch barrel, shoots 38-40 Winchester cartridges ..... List each $34 00 **$54.40**

NO. 44-40CNS5½—5½ inch barrel, shoots 44 Russian cartridges..... .... List each $34 00 **54 40**

NO. 44SWCNS5½—5½ inch barrel, shoots 44 S. & W. special cartridges ..... List each $34 00 **54 40**

NO. 45CNS5½ 5½ inch barrel, shoots 45 Colt cartridges.....List each $34 00 **54.40**

SINGLE ACTION ARMY.

Solid frame, rod ejection, case hardened frame, 4¾, 5½ and 7½ inch blued barrels and straps, rubber stocks.

Net each

***NO. 32-20** (.32 Winchester)..... .....List each $34.00 **$57.12**

***NO. 38-40** (.38 Winchester)..... .....List price $34.00 **57.12**

***NO. 44 Russian**..... .List price $34.00 **57.12**

***NO. 44—S. & W. Special** List price $34.00 **57.12**

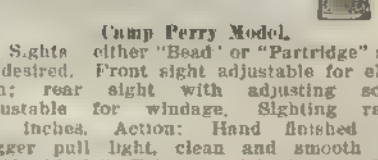
***NO. 44-40** (.44 Winchester)..... ....List price $34.00 **57.12**

***NO. 45—Colt's** ....List price $34.00 **57.12**

Specify caliber and length of barrel wanted.

***Will be mailed promptly from Hartford, Conn.**

SINGLE SHOT TARGET



Camp Perry Model.

Sights either "Bead" or "Partridge" style as desired. Front sight adjustable for elevation; rear sight with adjusting screw, adjustable for windage. Sighting radius 9½ inches. Action: Hand finished with trigger pull light, clean and smooth with no "backlash." Trigger and back strap finely checked to prevent slipping. Finish: Full Blued. Checked Walnut stocks. Frame edges mechanically stippled, with flat top and sights matted to prevent sun-glare or light reflection, thus eliminating the necessity of "smoking" the sights to obtain clear, sharp definition.

Net Each

NO. 884 10 in. barrel, shoots 22 long rifle. Weight 34 oz. .List Price $40 75 **$65.20**

COLT'S AUTOMATIC PISTOLS.

EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE.

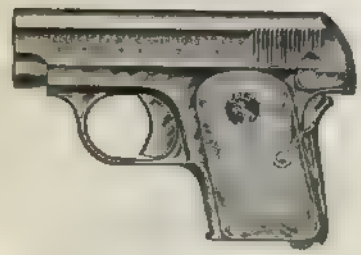
Fully Guaranteed by the Manufacturers for Use with Smokeless and Other Powders in Standard Factory Loaded Revolver Ammunition.

POCKET MODEL, CALIBRE .25, HAMMERLESS.

Accidental discharge is absolutely impossible with the Colt automatic pistol.

Net each

NO. 25CAP For the .25 rimless smokeless cartridge, 6 shots, 2 in. barrel, length over all 4½ in., full blued with case-hardened trigger, slide lock safety and grip safety, checkered wood stocks, wt. 13 ozs...List each $17.00 **$27.20**



POCKET MODEL, CALIBRE .25, HAMMERLESS.

Accidental discharge is absolutely impossible with the Colt automatic pistol.

NICKEL PLATED, PEARL HANDLES.

Net each

NO. 25PNCAP Same as No. 25CAP except that it is nickel plated and has pearl grips . . . . . List each $23 20 **$37.50**

POCKET MODEL, HAMMERLESS.

Full Blued, Checkered Wood Stocks.

Accidental discharge is absolutely impossible with the Colt automatic pistol.

Net each

NO. 32CAP—For the .32 rimless smokeless cartridge, 8 shots, 3¾ in. barrel, length over all 6¾ in., weight 23 ozs. . . . . List each $20.50 **$32.70**

NO. 380CAP—For the 380 rimless smokeless cartridge, 7 shots, 3¾ in. barrel, length over all 6¾ in., weight 23 ozs. . . . . List each $20.50 **32 70**

POCKET MODEL, CALIBRE 38.

Full Blued, Rubber Stocks.

Accidental discharge is absolutely impossible with Colt automatic pistols.

Net each

NO. 38CAP—For the 38 Rimless Smokeless Cartridge, 7 shots, 4½ in. barrel, length over all 7½ in., wt. 32 ozs. . . . . List each $42 25 **$67.40**

MILITARY MODEL, CALIBRE .38.

Full Blued, Rubber Stocks.

In this model the slide remains open after firing the last cartridge. When reloading the arm in this position, insert the magazine, then press downward the slide stop (to the rear of the trigger as illustrated). The slide goes forward, inserting a cartridge without any movement of the slide by hand. The slide stop is operated by the thumb of the hand holding the pistol

Net each

NO. 38MCAP—For the .38 rimless, smokeless cartridge, 8 shots, 6 in. barrel, length over all 9 in., wt. 38 oz. . . . . List each $43.50 **$69.60**

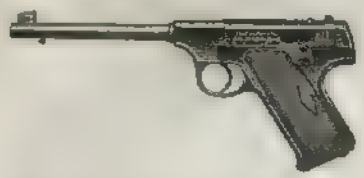
GOVERNMENT MODEL, CALIBRE .45.

With Grip Safety and Safety Lock.

In this model the slide remains open after firing the last cartridge. When reloading the arm in this position, insert the magazine, then press downward the slide stop (to the rear of the trigger as illustrated.) The slide goes forward, inserting a cartridge without any movement of the slide by hand. The slide stop is operated by the thumb of the hand holding the pistol.

Net each

NO 45CGAP—For the .45 rimless smokeless cartridge, 7 shots, 5 in. barrel length over all 8½ in., blued finish, checked walnut stocks. . . . . List each $36.75 **$58.70**



TARGET MODEL, CALIBRE 22.

Full Blued, Checked Walnut Stocks.

This model is made to handle the standard caliber .22 Long Rifle cartridges, and will prove most popular with shooters, sportsmen, trappers, and others, desiring a high-grade pistol adapted for this economical and easily obtained ammunition.

With its adjustable target sights, long barrel, light trigger pull and splendid balance, it possesses all the advantages of a single-shot target pistol, with the additional features of automatic action, obviating the necessity and inconvenience of reloading for each shot, and furthermore, permitting unlimited practice in that present popular branch of shooting—rapid-fire and snap-shooting.

The pistol is equipped with a Safety Lock which, when the arm is cocked, may be pushed upward, thus positively locking hammer and slide. This Safety Lock is located within easy reach of the thumb of the hand holding the pistol and may be instantly pressed down when raising the pistol to the firing position. It also acts as an indicator showing whether or not the pistol is cocked.

Net each

NO. 22TCAP—For the .22 long rifle rim fire cartridge, either lesmok or smokeless greased cartridges only ("greaseless" may be used provided they are slightly lubricated,) 10 shots, 6½ in. barrel, length over all 10½ in.. bead or partridge front sight, adjustable for elevation; rear sight with adjusting screw adjustable for windage, distance between sights 9 in., weight 28. ozs. . . . . List each $32.00 **$52.20**

EXTRA MAGAZINES.

IN STOCK AT OMAHA.

	List each
NO 23—Magazine Complete, for 25CAP . .	$1 00
NO. 31—Magazine complete, with follower and spring—For 32 calibre.	1 00
For 380 calibre. . .	1 00
NO. 34—Magazine complete, for 38CAP. . .	1 25
NO. 42 7 Magazine complete, for 45CGAP.	1 25
NO. 23T—Magazine complete, for 22TCAP. .	2 00

DISCOUNT 20%.

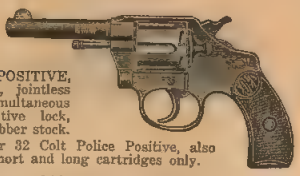
COLT'S REPAIR PARTS.

All Other Colt's Repair Parts Discount 20% From Factory List, F. O. B. Factory

ALL ONE ONLY IN A BOX.

CAN FURNISH NICKEL FINISH AT SAME PRICE FOR FACTORY DELIVERY.

COLT REVOLVERS



POCKET POSITIVE, double action, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock.

Adapted for 32 Colt Police Positive, also 32 S. & W. short and long cartridges only.

32 CALIBER, 6 SHOTS

BLUED.

No. C7232B—2½ **in.** barrel, w't 15 oz..... each $47.10
No. C7332B—3½ **in.** barrel, w't 16 oz..... each 47.10

NICKEL PLATED.

No. C7332—3½ **in.** barrel, w't 16 oz.....each $47.10

ONE IN A BOX

A handy revolver because of its short barrel. Many policemen carry it, in an overcoat pocket, in addition to the regulation holster arm.

Police Positive Special, jointless frame, simultaneous ejection, positive lock, center fire, checkered wood, double action.

38 caliber, 6 shots. Adapted for 38 long or short or 38 S & W Special cartridges; blued.

No. C7038SB—2 in. barrel, w't 21 oz.....each $50.75

ONE IN A BOX

POLICE POSITIVE SPECIAL, jointless frame, simultaneous ejection, positive lock, center fire, checkered wood, double action.

32-20 CALIBER, 6 SHOTS

Adapted for 32-20 or 32 W.C.F. cartridges.

BLUED.

No. C7432WB—4 **in.** barrel, w't 22 ozs.....each $50.75
No. C7532WB—5 **in.** barrel, w't 23 ozs.....each 50.75
No. C7632WB—6 **in.** barrel, w't 24 ozs.....each 50.75

38 CALIBER, 6 SHOTS

Adapted for 38 long or short or 38 S. & W. Special (full, mid-range and gallery load) cartridges.

NICKEL PLATED.

No. C7238S—4 **in.** barrel, w't 22 ozs.....each $50.75
No. C7138S—5 **in.** barrel, w't 22 ozs.....each 50.75

BLUED.

No. C7238SB—4 **in.** barrel, w't 22 ozs.....each $50.75
No. C7138SB—5 **in.** barrel, w't 22 ozs.....each 50 75
No. C7338SB—6 **in.** barrel, w't 23 ozs.....each 50 75

ONE IN A BOX

COLT REVOLVERS

POLICE POSITIVE TARGET, jointless, solid frame, swing-out cylinder, simultaneous ejection position lock, checkered wood stock, double action, fitted with Patridge target sights.

22 W. R. F. CALIBER, 6 SHOTS

BLUED.

No. C7922BT—6 **in.** barrel, shoots 22 Winchester Model 1890 (22 W.R.F.) cartridges, w't 22 ozs....each $53.30

22 CALIBER, 6 SHOTS

BLUED.

No. C7922SBT—6 **in.** barrels, shoots 22 caliber **rim fire, short, long and long rifle cartridges,** w't 28 ozs. .....each $53.30

32 CALIBER, 6 SHOTS

BLUED.

No. C7932BT—6 **in.** barrel, w't 19 ozs. Adapted for 32 Colt New Police (Police Positive), also 32 S. & W. short and long cartridges only, w't 28 ozs.....each $53.30

ONE IN A BOX

POLICE POSITIVE, double action, jointless frame, simultaneous ejection, positive lock, center fire, checkered wood.

32 CALIBER, 6 SHOTS

BLUED.

Adapted for 32 Colt New Police (Police Positive), also 32 S. & W. short and long cartridges only.

No. C7832BP—4 **in.** barrel, w't 18 ozs. ....each $48.30
No. C7732BP—5 **in.** barrel, w't 20 ozs. ....each 48.30
No. C7932BP—6 **in.** barrel, w't 22 ozs. ....each 48.30

38 CALIBER, 6 SHOTS

NICKEL PLATED.

Adapted for 38 Colt New Police (Police Positive) and 38 S. & W. cartridges only.

No. C7238—4 **in.** barrel, w't 20 ozs.....each $48.30

BLUED.

No. C7238B—4 **in.** barrel, w't 22 ozs.....each $48.30
No. C7138B—5 **in.** barrel, w't 22 ozs.....each 48.30
No. C7338B—6 **in.** barrel, w't 24 ozs.....each 48.30

ONE IN A BOX

COLT REVOLVERS

ARMY SPECIAL, jointless frame, simultaneous ejection, positive lock, center fire, checked walnut stock, double action.

The Army Special is a heavier model than the Police Special.

32-20 CALIBER, 6 SHOTS

Adapted for 32-20 or 32 W.C.F. cartridges.

BLUED.

No. C7532SB—4 in. barrel, w't 34 ozs.....each $53.30
No. C7632SB—5 in. barrel, w't 36 ozs.....each 53.30
No. C7832SB—6 in. barrel, w't 37 ozs.....each 53.30

38 CALIBER, 6 SHOTS

Adapted for 38 S. & W. Special, 38 long and short Colt cartridges.

NICKEL PLATED.

No. C7638S—5 in. barrel, w't 34 oz.....each $58.65

BLUED.

No. C7538SB—4 in. barrel, w't 33 ozs.....each $58 65
No. C7638SB—5 in. barrel, w't 34 ozs.....each 53 30
No. C7738SB—6 in. barrel, w't 35 ozs.....each 53.30

ONE IN A BOX

NEW OFFICERS model, double action, center fire, checkered walnut stock. Fitted with partridge front and rear sight.

38 CALIBER, 6 SHOTS

Adapted for 38 long Colt and 38 S. & W. Special Full, Mid Ranges and Gallery Load cartridges.

BLUED.

No. C7638BT—5 in. barrel, w't 34 ozs.....each $60.45
No. C7738BT—6 in. barrel, w't 34 ozs.....each 60 45
No. C7938BT—7½ in. barrel, w't 35 oz.....each 60.45

ONE IN A BOX

COLT REVOLVERS

NEW SERVICE, double action, jointless frame, simultaneous ejection, positive lock, center fire, rubber stock.

38-40 CALIBER, 6 SHOTS

Adapted for 38-40 or 38 W.C.F. cartridges.

BLUED.

No. C7638B—5½ in. barrel, w't 42 ozs.....each $60.45
No. C7838B—7½ in. barrel, w't 45 ozs.....each 60.45

44-40 CALIBER, 6 SHOTS

Adapted for 44-40 or 44 W.C.F. cartridges.

BLUED.

No. C7744B—7½ in. barrel, w't 45 ozs.....each $60.45

45 CALIBER, 6 SHOTS

Adapted for 45 Colt, U.S.A. cartridges.

BLUED.

No. C7545B—5½ in. barrel, w't 42 ozs.....each $60.45
No. C7745B—7½ in. barrel, w't 42 ozs.....each 60.45

ONE IN A BOX

SINGLE ACTION ARMY, or frontier, center fire, rubber stock.

32 CALIBER, 6 SHOTS

Adapted for 32-20 or 32 W.C.F. cartridges.

BLUED.

No. C8132S—4½ in. barrel, w't 40 ozs.....each $60.45
No. C8132M—5½ in. barrel, w't 42 ozs.....each 60.45
No. C8132L—7½ in. barrel, w't 42 ozs.....each 60.45

45 CALIBER, 6 SHOTS

Adapted for 45 Colt, U.S.A. cartridges.

BLUED.

No. C8145S—4½ in. barrel, w't 36 ozs.....each $60.45
No. C8145M—5½ in. barrel, w't 37 ozs.. ...each 60.45

ONE IN A BOX

COLUMBIA UNIVERSITY
COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
FOUNDED BY ROYAL CHARTER FROM KING GEORGE II IN 1754 UNDER THE NAME OF KING'S COLLEGE CHANGED TO COLUMBIA COLLEGE IN 1784 AND TO COLUMBIA UNIVERSITY IN 1896

Drawing by Leroy H. Appleton, New York

Published in large size by Norman T. A. Munder & Co.

Arranged and Printed by

NORMAN T. A. MUNDER & CO., INC.

BALTIMORE

LINE ENGRAVING BY WALKER ENGRAVING CO

SIGMUND ULLMAN CO INKS

NO SLIPSHEETING

Collins Laidstone Book—Collins Oak Leaf Overlay

COMMUNITY PLATE HOLLOW WARE

50 Year Replacement Guarantee

BIRD OF PARADISE DESIGN

A perfectly matched design in complete table service, hollow ware and flat ware. In the bird of paradise design is found a new note in table appointments fully in keeping with the modern vogue of interior decoration. This exquisitely wrought pattern, with its clearly defined intaglio decoration, has earned the approval of hostesses everywhere.

TEA SETS

No. 12992 Consists of one No. 12900 Tea Pot, one No. 12902 Sugar Bowl and one No. 12903 Cream Pitcher..Per Set **$54.00**

TEA POTS

No. 12900 Capacity, 2½ pints .....Each, **$26.40**

SUGAR BOWLS

No. 12902.....Each, **$14.40**

DESSERT SET

No. 12994 Consists of one No. 12902 Sugar Bowl and one No. 12903 Cream Pitcher ... . Per Set, **$27.60**

CREAM PITCHERS

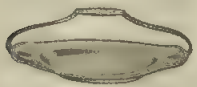
No. 12903.. . . . . .Each **$13.20**

Cut Shows No. 12902 Tea Set

BREAD OR ROLL TRAYS

No. 12950 Length, 14 inches....Each, **$9.60**

BREAD OR ROLL BASKETS

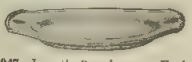


No. 12951 Length, 14 inches...Each, **$12.00**

WELL AND TREE MEAT PLATTERS

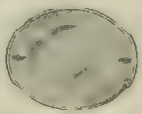
No. 12927 Length, 16 inches...Each, **$27.60**
No. 12928 Length, 18 inches...Each, **32.40**
No. 12929 Length, 20 inches...Each, **39.60**

CELERY AND OLIVE TRAYS



No. 12947 Length, 9 inches ....Each, **$5.40**

SANDWICH OR CAKE TRAYS

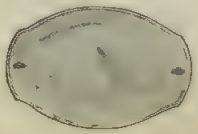


No. 12956 Length, 11¾ inches .Each, **$9.60**

SANDWICH OR CAKE BASKETS

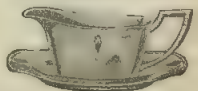
Same as above except with handle
No. 12957 Length, 11¾ inches.Each, **$12.00**

OVAL WAITERS



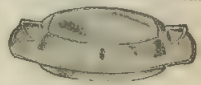
No. 12910 Length, 18 inches...Each, **$27.60**

GRAVY BOAT AND TRAYS



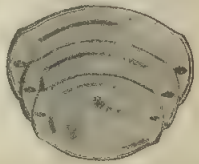
No. 12945 Length, 9 inches....Each, **$16.80**

DOUBLE VEGETABLE DISHES



With side handles.
No. 12940 Length, 12 inches...Each. **$21.60**

PLAIN MEAT PLATTERS



No. 12922 Length, 16 inches. Each, **$19.20**
No. 12923 Length, 18 inches. Each, **24.00**
No. 12924 Length, 20 inches. Each, **31.20**

Entire Page Factory Shipment Only

Courtesy of Converse Rubber Co.

150 Screen Four Color Process Plates

GAITERS SOLD WITH PICTURES

Reproduced from Colored and Retouched photos. Objects served as further color guide

Engraved by SUFFOLK ENGRAVING & ELECTROTYPING COMPANY, CAMBRIDGE, MASS.

The Chiffons & Printed Silks Paris is now wearing..

Practical only if guarded from two enemies

THE Longchamps track is brilliant now with smart women wearing the new creations of the Paris couturiers

Everywhere are printed silks and chiffons, the newest versions of silk crepe a bewildering variety of lovely fabrics in fascinating colors!

Such delicate fabrics, such exquisite colors *are practical only if guarded from two enemies.*

The first danger is rubbing with cake soap. Rubbing destroys the rich, soft sheen of silks and chiffons

The other menace is the destructive alkali contained in so many soaps—regardless of whether they are flakes, chips or cakes Alkali fades colors and weakens the sensitive silken fibres —may cut their life in half

With Lux you avoid these destructive foes of silks and chiffons.

The rich bubbling Lux suds cleanse without harmful rubbing. The tissue-thin Lux diamonds contain no harmful alkali Any fabric that is safe in water alone Lux leaves bright and unfaded, as beautiful as new. Lever Bros. Co., Cambridge Mass.

LUX

Courtesy of Lever Bros Co *120 Screen Four Color Process Plates* *Prepared by J. Walter Thompson Co*

MODERNISTIC ART IN NATIONAL ADVERTISING

Reproduced from Water Color painting. Highlight effect throughout to reproduce originals. Text from proof of type

Engraved by STERLING ENGRAVING COMPANY, NEW YORK

A gift of glassware is always welcome. In this selection are represented the most recent designs, colors and materials. A display of beautiful glassware will not only increase your sales, but will enhance the beauty of your whole Holiday line.

Cameo Assortment

Per asst.

N75181—COLORED GLASSWARE ASSORTMENT—The beautiful dark blush pink coloring of this assortment will make it immediately attractive to the eye of your customers. It is made up of twenty-six pieces, including fan shaped flower holders, candy jars, low candlesticks, and bowls with rolled and crimped edges 27.00

Cornelian Ware

Per asst of 9 pieces

N75150—CORNELIAN WARE ASSORTMENT The quiet harmony of the blended colors of this Cornelian Ware assortment lends itself to almost any decorative scheme. The colors are azure blue blending down to a soft gray brown. Nine pieces in all; three bowls, one tankard, one pair of candlesticks, fan shaped flower holder and two vases..... 10.00

Beverage Set

Per set.

N70140—BEVERAGE SET—The pleasing lines and coloring of this set will make any beverage appear more than ordinarily refreshing. A jug and six tumblers with coasters and stirrers making nineteen pieces in all. Glass is amber tinted with handles of blue. 3.50

Sugar and Cream Set

Per doz. sets

N70165—EMERALD GREEN GLASS SUGAR AND CREAM SET WITH TRAY An inexpensive and pleasing gift. The use of the tray with the sugar and cream set is a convenience that will be appreciated. Tray is 7¼x5¼ inches, sugar and creamer are 2⅝ inches high..... 16.00

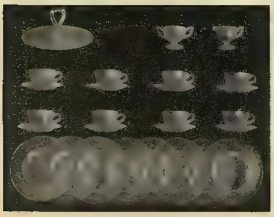
Beverage Set

BEVERAGE SET—A set of four tumblers that fit neatly into a tray that may be carried about easily by the long convenient handle. Made of optic glass. The set with handle is 7x7 inches and holds four straight optic glass tumblers. A very good value at this price. Supplied in two colors

Per set

N70175—Emerald green..... 3.00
N70176—Peach 3.00

Bridge Set



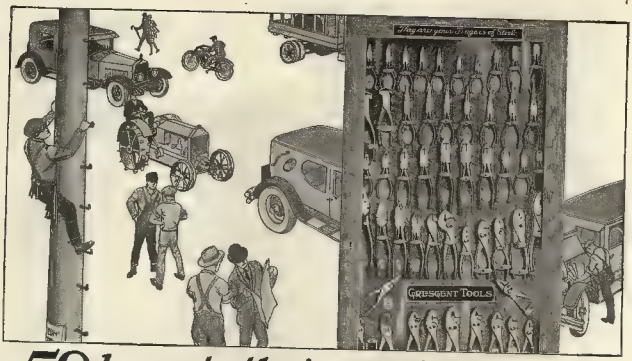
Per set

N70164—BRIDGE SET—For the informal lunch. A bridge set is always a welcome addition to any cupboard. This twenty-seven piece set of blush pink colored glass consists of one sandwich tray with handle, diameter 9½ inches; eight only plates, diameter, 8 inches; eight cups and saucers; one sugar and cream set..... 16.00

Breakfast Set

Per set

N70165—SHOWER BREAKFAST SET Clear crystal green glass. The set consists of six baked apple, fruit or cereal bowls; six cups and saucers; six 9-inch plates, six goblets, one sugar and cream set and one 11-inch sandwich plate. 20.00



59 keys to their pocket-books

Car owners, farmers, mechanics, electricians and others who buy tools have widely varying needs but they agree in this respect: They like to get the exact type of tool they want with the least possible hesitation or uncertainty.

The fifty-nine Crescent and Smith & Hemenway Wrenches and Pliers on the WC1 Display Board (size 24½ x 48½) cover a range of uses that will fit most of their small-tool requirements. Selection of the exact type and size of tool required is made easy and simple.

The case is a valuable sales help—as many dealers have already discovered. It will be supplied to you through your jobber at the price of the tools only, with no charge for the case.

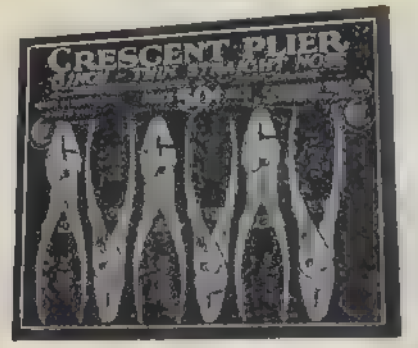
In addition to the WC1 Display Case, an attractive sales help is the set of cardboard cutouts for window and counter display. These little mechanic figures, like the illustrations below, hold wrenches and pliers, and fit in easily with other display units.

CRESCENT TOOL COMPANY
204 Harrison St., Jamestown, N. Y.

CRESCENT
and Smith & Hemenway
TOOLS
Made under the supervision of and guaranteed by the originators of the Crescent Wrench

CRESCENT PLIER ASSORTMENTS

SLIP JOINT PLIERS.
THIN NOSE.



This assortment consists of one-half dozen L25-6 inch thin, straight nose pliers, and one-half dozen L26-6 in. thin straight nose pliers, together with the display card shown above. The 5 inch are mounted on the card and the 6 inch are in regular cartons in the package. The display card measures 8½x11 inches and is equipped with a lock easel back which prevents it from falling over on the counter or case. The assortment is furnished at regular price of the dozen pliers with no charge for the display card. The L25 and L26 pliers are listed in open stock on opposite page.

NO. DB7—Assortment pliers, weight each 5 lbs. Net per assortment $7.50

PACKED ONE ASSORTMENT IN A BOX

SOLID JOINT PLIERS.
LONG NOSE WITH WIRE CUTTER.

CRESCENT LONG NOSE PLIERS.

This display consists of six six-inch Crescent Long Nose Pliers mounted upon a heavy cardboard display card. The card is equipped with a lock easel back so that it will not fall over on a glass counter or case. The pliers are securely fastened to the card so that they cannot fall off or be stolen. The displays are packed one in a box. Shipping weight 2¼ pounds.

The Crescent Long Nose Plier is made of the same special analysis steel that other Crescent pliers are made of. They are drop forged, hardened and oil tempered, giving them a wonderful strength and durability. They have the regular Crescent checkerdot knurled handles and are beautifully hand polished. The wire cutter on these pliers will give excellent service without chipping or nicking, making a clean break in a wire with one snap. The Long Nose Plier is made in six-inch size only. Covered by the usual Crescent guarantee of perfect satisfaction or money back.

Retail price of pliers, 75c each.

Net Per Card

NO. DB10 (M16)—Pliers, weight per doz. 4½ lbs $6.00

HALF DOZEN ON A CARD, ONE CARD IN A BOX.

WALL DISPLAY CASE NO. WC1.

This case combines the best of the Smith and Hemenway items with the Tools of Crescent manufacture, as follows (Prices are retail)

20	4"	plier	75	7000K	8"	plier	1.00
21	4"	plier	75	8000K	10"	plier	1.25
31	5"	plier	85	0630	6"	plier	1.00
32	5"	plier	85	0640	7"	plier	1.00
39	5"	plier	1.00	0650	8"	plier	1.00
40	5"	plier	1.00	1050	6"	plier	1.60
50	4"	plier	1.00	1060	7"	plier	1.90
60	5"	plier	1.15	1070	8"	plier	2.25
70	6"	plier	1.25	A14	4"	wrench	.75
80	7"	plier	1.40	A21	6"	wrench	.75
90	8"	plier	1.65	A28	8"	wrench	.90
72	6"	plier	1.25	A12	10"	wrench	1.20
73	7"	plier	1.50	A13	12"	wrench	1.75
305		plier	1.00	B1064	6"	wrench	1.50
444	7"	plier	1.90	B1068	8"	wrench	1.50
500	5"	plier	1.10	B1810	8-10	wrench	1.75
510		plier	1.50	919	9"	wrench	.75
622		plier	1.10	M16	6	plier	.75
650	6"	plier	1.50	1.25	5"	plier	.50
654	8"	plier	1.50	1.26	6"	plier	.50
654	7"	plier	1.75	1027	7"	plier	.60
777	6"	plier	1.50	1.20	6"	plier	.60
777	7"	plier	1.75	1025	5"	plier	.50
850	6½"	plier	1.35	1030	8"	plier	.90
925	6"	plier	1.00	G25	5"	plier	.50
925	8"	plier	1.25	G26	6"	plier	.60
925	10"	plier	1.50	G28	8"	plier	.90
942	8"	plier	1.25	G210	10"	plier	.85
942	6"	plier	1.00				
942	8"	plier	1.50	Total retail price			$70.55
950		plier	1.60				

The case contains no slow-selling items.

A tag, giving the retail price of each tool is tacked beneath the tool it describes.

The sketch below shows the manner in which the tools are fastened to the back of the case.

The small wing nut is easily unscrewed, allowing the customer to handle the tool. In this way, tools can be sold direct from the board and replaced from stock.

The case is made of oak, handsomely finished and of dust-proof construction.

The glass is securely fastened in place and the door is equipped with a lock to prevent petty thieving.

The WC1 case can be had at the regular price of the tools displayed in it. Shipping weight, packed, 106 lbs.

Net Each

NO. WC1—Display Case complete with tools as described above $87.10

SLIP JOINT PLIERS.

REGULAR NOSE.

This assortment consists of one-half dozen G25 five-inch MoToR KIT Pliers and one-half dozen G26 six-inch MoToR KIT Pliers, together with the display board pictured above.

Three pliers of each size are mounted on the card as shown, and the remaining three of each size are packed in separate cartons.

The display card measures 8½x11 inches. It is equipped with a lock easel back, which prevents the card from falling over on the showcase.

The pliers retail for 50c each, total for the assortment, $6.00.

Assortment DB8 is furnished at regular price of the pliers alone, without extra charge for the display card.

Sales Suggestion: Crescent MoToR KIT Pliers advertising is impressing people with the idea of buying two pliers—one for the car and one for the house. Why not suggest this?

Polished. Net Per Asst.

NO. DB8—Assortment MoToR KIT Pliers weight, each, 5¼ lbs. $6.50

PACKED ONE ASSORTMENT IN A BOX.

WRENCHES

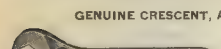
WESTCOT ADJUSTABLE "S"
For Pipe or Nuts.

Drop forged sliding jaw, polished and tempered; japanned malleable iron frame and steel screw.

No.	80P
Length, ins	10
For pipe or nuts, ins	⅜ to 1
Wt per doz, lbs	23
Per Doz	$30 00

Half doz in cardboard box.

GENUINE CRESCENT, Adjustable.



22½ Degree Angle.
Drop forged from best carbon steel, hardened; properly tempered.

Full polished except web in handle which is black oil finished.

Nos.	704	706	708	710	712	715	718
Length, ins	4	6	8	10	12	15	18
Opens, ins	⅛	⅝	15/16	1⅛	1 5/16	1 13/16	2 5/16
Wt per doz, lbs.	1½	4¾	7	14	24	4½	7
Per Doz	$18 00	18 00	22 50	27 00	42 00	63 00	90 00

One in cardboard box.

WRENCH REPAIR PARTS

CRESCENT

Jaws.

Nos.	14J	16J	18J	110J	112J	115J	118J
For wrench No.	704	706	708	710	712	715	718
Each	$0 60	60	69	90	1 35	1 95	2 55

Knurls.

Nos.	14K	16K	18K	110K	112K	115K	118K
For wrench, No.	704	706	708	710	710	712	718
Each	$0 27	27	33	39	60	84	1 35

Pins.

Nos.	14P	16P	18P	110P	112P	115P	118P
For wrench, No.	704	706	708	710	712	715	718
Each	$0 15	15	15	15	27	27	27

Springs.

Nos.	14S	16S	18S	110S	112S	115S	118S
For wrench, No.	704	706	708	710	712	715	718
Each	$0 15						

Packed loose.

WRENCH ASSORTMENTS

CRESCENT

Drop forged from best carbon steel, hardened and tempered full polished except web in handle which is black oil finished. Six wrenches mounted on display card, balance in cardboard boxes. Size of display card 8½x11 inches.

Set consists of 12 wrenches as follows:
6 only—6 inch No. 706.
6 only—8 inch No. 708.

Per Ass't

No. DB9—Ass't complete as described $21 00
One ass't in cardboard box; wt per ass't 5 lbs.

WRENCH ASSORTMENTS

CRESCENT

Drop forged from best carbon steel hardened throughout.

Display board made of quartered oak, natural finish. Size 25x25 inches; lettering in gold. A transfer is mounted on board showing the size and actual color of each wrench.

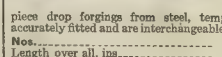
Set consists of 60 wrenches as follows:

6 only	4 inch	1 only	15 inch
12 only	6 inch	1 only	18 inch
12 only	8 inch	6 only	6-8 inch
6 only	10 inch	3 only	8-10 inch
3 only	12 inch		

Per Ass't

No. DB5—Ass't complete as described $114 00
One ass't in wood case; wt per ass't 76 lbs.

WRENCHES



22½ Degree Angle Double End.

Black body with polished edges and face.

The movable jaws and handle are solid piece drop forgings from steel, tempered. The parts are accurately fitted and are interchangeable.

Nos.	16-8	18-10
Length over all, ins	8	10
Size opening, ins	¾ & 15/16	15/16 & 1⅛
Wt per doz, lbs.	9	15
Per Doz	$36 00	42 00

One in cardboard box.

CRESCENT

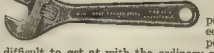
Flat Automobile.

Forged from special analysis steel, hardened and oiled tempered, hand polished finish. Accurately milled teeth in handle permit easy adjustment. Spring under adjusting knurl holds jaw set until adjustment is changed.

Per Doz

No. 019-9—Length 9 ins; size of opening 2⅛ ins ... $19 50
One in cardboard box; wt per doz 12 lbs.

ADJUSTABLE



22½ Degree Angle.

Drop forged steel, tempered black body, polished face. Designed to permit its use in places difficult to get at with the ordinary wrench. The parts are accurately fitted and are interchangeable.

The movable jaw and handle are each solid piece drop forgings, from a steel that has great tensile strength, and are both properly tempered. Black body; polished face.

Nos.	804-4	806-6	808-8	810-10	812-12
Length, ins	4	6	8	10	12
Opens, ins	1/2	¾	15/16	1⅛	1 5/16
Wt per doz, lbs	3¾	6	8	15	30
Per Doz	$17 25	17 25	21 00	30 00	42 00

One in cardboard box.

SOCKET WRENCHES

SOCKET, Single Head.

Drop forged from tool steel, unfinished, with steel handle.

Fits square nuts, cap screws and set screws.

Nos.	962HU	963HU
Fits U.S. Stan. Nut, size, in.		
Fits cap screw, diam, in.		
Fits set screw, size, in		
Diam head, in		
Diam shank, in		
Extreme length, ins		
Length of handle, ins		
Wt each, lbs		
Each	$0 99	1 11

Nos.	965HU	966HU	968HU	969HU
Fits U.S. Stan. Nut, size, in				
Fits cap screw, diam, in				
Fits set screw, size, in				
Diam head, ins				
Diam shank, ins				
Extreme length, in				
Length of handle, ins				
Wt each, lbs				
Each	$1 23	1 32	1 65	1 83

Fits U. S. Hexagon Nuts and Cap Screws.

Nos.	964AU	965AU	967AU
Fits U. S. Stan Hex. Nut size, in			
Fits cap screw, diam, in			
Diam head, ins			
Diam shank, in			
Extreme length, ins			
Length of handle, ins			
Wt each, lbs			
Each	$1 14	1 23	1 50

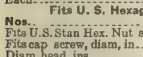
Fits U. S. Hexagon Nuts and Cap Screws.

Nos.	968AU	969AU	971AU	973AU
Fits U.S. Stan Hex. Nut size in				
Fits cap screw, diam, in				
Diam head, ins				
Diam shank, in				
Extreme length, ins				
Length handle, ins				
Wt each, lbs				
Each	$1 71	1 83	2 07	3 15

Packed loose.

WRENCHES

TROJAN

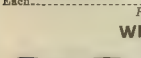


Solid cast steel, superior quality oil tempered, plain body, polished jaws, milled teeth, holds pipe from ⅛ to ⅝ inches and round iron from ¼ to ⅝ inches; has opening in handle for ¼, ⅝, ½, ⅝, and ¾ inch nuts. Per Doz

No. 21—Length 5¾ ins $6 75

One doz in cardboard box; wt per doz 5¾ lbs.

TROJAN

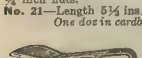


Solid cast steel, superior quality, oil tempered, chased body, polished jaws, milled teeth; holds pipe from ⅛ to 1 inch, and round iron ⅜ to 1¼ inches; has opening in handle for ⅜, ½ ⅝, ¾ and ⅞ inch nuts. Per Doz

No. 31—Length 7 ins $9 75

Half doz in cardboard box; wt per doz 14 lbs

ALWAYS READY



Forged from tool steel, nickel plated, hardened jaws, with milled teeth on one jaw at each end.

Nos.	1	2
Length, ins	5	7
For nuts or pipe, ins	¼ to ⅝	¼ to 1¼
Wt per doz, lbs	5½	12
Per Doz	$15 00	19 50

Half doz in cardboard box.

WRENCHES

RIVAL

Solid cast steel, drop forged, oil tempered, chased body, polished jaws, with milled teeth on one jaw at each end.

Nos.	10	20
Length, ins	5	7
For nuts or pipe, ins	¼ to ⅝	¼ to 1¼
Wt per doz, lbs	5	12
Per Doz	$11 25	15 75

Half doz in cardboard box.

ALLIGATOR

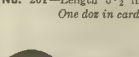
Forged tempered steel, black finish; polished jaws, with milled teeth; has opening in handle for ½ and ⅝ inch nuts; holds pipe from ⅛ to ⅜ inch and round iron from ¼ to ¾ inch.

Per Doz

No. 201—Length 5½ ins $5 25

One doz in cardboard box; wt per doz 3 lbs.

ALLIGATOR



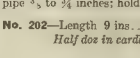
Forged tempered steel, black finish, polished jaws with milled teeth. Holds pipe ⅜ to ¾ inches; holds round pipe ½ to 1 inch.

Per Doz

No. 202—Length 9 ins $13 50

Half doz in cardboard box; wt per doz 12 lbs.

COMBINATION



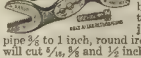
Drop forged carbon steel, tempered and hardened. Combination pipe and nut wrench and thread cutter, milled teeth on one jaw at each end. Holds nuts or pipe ⅜ to 1 inch, round iron ⅛ to 1½ inches. Thread cutters will cut ⅛, ¼, ⅜ and ½ inch threads, length 8½ inches.

Per Doz

No. 200—Black finish $12 00

Half doz in cardboard box; wt per doz 12 lbs.

ELGIN, Adjustable.



Cast steel nickel plated, hardened jaws, with milled teeth, jaws can be closed by adjusting screw; lower jaw and handle one piece; reinforced at jaws by heavy steel plate screwed to body. Holds pipe up to ¾ inch and nuts up to 1¼ inches.

Per Doz

No. 65—Length 7 ins; opens 1¼ ins $30 00

One doz in cardboard box; wt per doz 8¼ lbs.

WESTCOT ADJUSTABLE "S"

For Nuts Only.

Drop forged sliding jaw, polished and tempered; japanned malleable iron frame and steel screw.

Nos.	74	76	78	80	82
Length, ins	4	6	8	10	12
Opens, ins	⅝	¾	1	1⅜	1⅝
Wt per doz, lbs	2	5½	12	22	33
Per Doz	$17 25	18 75	23 25	27 00	43 50

Half doz in cardboard box.

WILLIAMS WRENCH ASSORTMENTS

Assortment contains 36 Semi Finished Drop Forged Wrenches, with openings milled for popular U. S. and S. A. E.

Standard Nuts and Cap Screws, size of board is 8x27 in.

Nicely finished in golden oak.

Three each of the following numbers.

Engineers Wrenches 15 degree angle.
Opening in.
No. 23 —$\frac{13}{32}$ and $\frac{1}{4}$.
No. 725 —$\frac{7}{16}$ and $\frac{1}{4}$.
No. 725B—$\frac{1}{4}$ and $\frac{9}{16}$.
No. 25 —$\frac{1}{4}$ and $\frac{19}{32}$.
No. 727 —$\frac{19}{16}$ and $\frac{3}{8}$.
No 29 —$\frac{1}{16}$ and $\frac{25}{32}$.
No. 731A—$\frac{3}{8}$ and $\frac{1}{4}$.

Light Service Wrenches 22½ degree angle.
Opening in.
No. 75B—$\frac{3}{8}$ and $\frac{7}{16}$.
No. 77B—$\frac{1}{2}$ and $\frac{9}{16}$.
No. 79C—$\frac{5}{8}$ and $\frac{3}{4}$.
No. 81A—$\frac{3}{4}$ and $\frac{7}{8}$.

No. X2E—W't per asst. 14 lbs., per assortment *$23.94*

ONE ASST. IN A BOX

WILLIAMS WRENCHES

Nos.	**75B**	**77B**	**79C**	**81A**
For Cap Screws, in.	$\frac{5}{16}$x$\frac{1}{4}$	$\frac{7}{16}$x$\frac{5}{16}$	$\frac{7}{16}$x$\frac{3}{8}$	$\frac{1}{2}$x$\frac{3}{8}$
Openings, in.	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{3}{4}$ & $\frac{7}{8}$
Length, in.	6½	7½	8½	9½
W't, doz., lbs.	2	3½	6½	9½
Dozen	*$6.48*	*8 16*	*10.32*	*13.20*

AETNA WRENCHES

Stamped from Cold Rolled Steel, Case hardened. These are same wrenches as come with No. E225 Assortment.

Nos.	**01**	**2**	**3**
Openings	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$
Thickness, in.	$\frac{1}{8}$	$\frac{5}{32}$	$1\frac{1}{16}$
Length, in.	3½	4	5
W't per doz., lbs.	½	¾	1½
Per dozen	$1.25	1.80	2.35

Nos.	**4**	**5**
Openings	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{7}{8}$ & 1
Thickness, in.	$\frac{3}{16}$	$\frac{3}{16}$
Length, in.	5½	6½
W't per doz., lbs.	2½	3
ePr dozen	$2.90	3.35

25 IN A BOX

A CRESCENT WRENCH FOR ALL-AROUND USE

At the Right Price

A Sturdy, general purpose tool, entirely forged from special analysis steel. Hardened and oil tempered.

Hand polished finish, giving a splendid appearance.

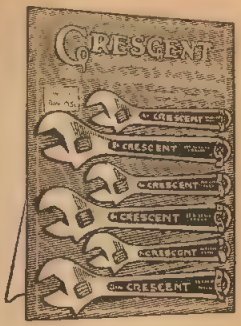
No. C6500—019—9 in. long, with a capacity, fully open, of 3 in. Length of jaw 1¼ in. W't per doz. 12 lbs., per dozen $13.35

No. C6501—0111—11 in. long, with a capacity, fully open, of 3in., length of jaw 1¼ in., w't per doz. 19 lbs., per dozen $22.10

ONE IN A BOX

Our Very Best
Is
The Very Best

CRESCENT WRENCH ASSORTMENTS



No. 9—Consists of six 6 in. and six 8 in. Genuine Crescent Wrenches; three of each size are mounted on Display Board and fastened securely; remainder are packed in individual cartons; Display Board is 8½x11 in., printed in dark blue and black, and has a lock easel back, w't per asst. 6½ lbs..per assortment $14.00

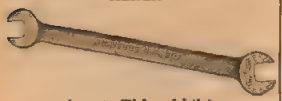
ONE ASSORTMENT IN A BOX

PEXTO ADJUSTABLE WRENCH ASSORTMENTS

No. X14—Consists of six 6 in. and six 8 in. Pexto Polished Adjustable Wrenches. Three of each size are mounted on display board, balance are packed in individual boxes with display. Display is 10½x13 in. Is made of heavy cardboard with easel on back. Finished in attractive colors, w't each 10 lbs., per assortment $13.00

ONE ASSORTMENT IN A CASE

WILLIAMS TAPPET "SUPER-RENCH"



Long—Thin—Light

"SUPERRENCH" Tappet Wrenches, especially designed for valve tappet adjustment service, are made of Chrome-Molybdenum Steel, the strongest and toughest material obtainable for the purpose.

Their length is ample for ease of operation without burning the hands when the motor is hot (the only time when tappet adjustment should be made). The angle of the opening is the most efficient for close quarters where clearance is limited.

Furnished heat-treated and Nickel-Finished, with heads buffed bright.

Nos.	1090D	1092F
For U.S. Standard Bolts, in.	1/4	9/32
For Cap Screws	7/32 & 9/32	7/16
S. A. E. Nuts	7/32 & 9/32	7/16
Openings, milled	1/4 & 7/32	9/32 & 11/32
Thickness heads, in.	3/16	7/16
Extreme length, in.	3	8
W't per doz., lbs.	3	3 1/4
Per dozen	$26.40	28.80

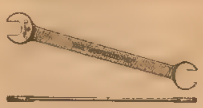
No.	1094
For U.S. Standard Bolts, in.	1/4
For Cap Screws	1/4 & 9/32
S. A. E. Nuts	1/4 & 7/32
Openings, milled	1/4 & 9/32
Thickness head, in.	7/32
Extreme length, in.	9
W't per doz., lbs.	5
Per dozen	$32.40

TAPPET "SUPERRENCH" SET

No. 1063—Set contains 2 each of Nos. 1090D, 1092F and 1094 superrench. Offers the most comprehensive service for tappet adjustment covering every size from 1/4 to 3/8 in., w't per set, 2 lbs. ..... per set $15.40

ONE SET IN A CANVAS ROLL

WILLIAMS "SUPERRENCH"



Made from chrome-molybdenum steel. The strongest, toughest and most desirable material for the purpose ever produced. They are guaranteed to strip the thread of any standard nut or break the bolt before spreading the jaws.

They are particularly serviceable in close cramped quarters, the head being thinner and jaws narrower than regular wrenches with same opening.

Double head, 15 degree angle, nickel finish with heads buffed bright.

Nos.	1021T	1023	1025
For U.S. Standard bolts, in.	1/4×7/32	9/32×1/4	1/4×9/32
Opening milled, in.	7/32×1/4	1/4×1/4	1/4×1/4
Thickness heads, in.	1/4	9/32	1/4
Extreme length, in.	4 1/2	4 1/2	5 1/2
W't per doz., lbs.	2	2 1/2	3
Per dozen	$9.60	11.52	13.92

Nos.	1027	1029	1031
For U.S. Standard bolts, in.	7/16×3/8	3/8×7/16	7/16×3/8
Opening milled, in.	13/32×13/32	13/32×13/32	13/32×3/8
Thickness heads, in.	3/16	7/16	3/8
Extreme length, in.	6 1/2	7 1/2	9 1/2
W't per doz., lbs.	4	6	8
Per dozen	$16.80	20.88	25.68

Nos.	1033	1035	1037
For U.S. Standard bolts, in.	1/4×3/8	7/16×3/8	3/8×3/8
Opening milled, in.	3/8×13/32	13/32×1 7/16	1 7/16×1 3/4
Thickness heads, in.	3/8	7/16	1/4
Extreme length, in.	9 1/2	10 1/2	12 1/4
W't per doz., lbs.	8	14	18
Per dozen	$25.68	31.68	38.16

CAP SCREW WRENCHES

Nos.	1725	1725B	1727	1731A
For Cap Screws, in.	1/4×7/16	7/16×3/8	3/8×7/16	1/4×3/8
Opening milled, in.	7/16×3/8	1/4×7/16	7/16×3/8	3/8×3/8
Thickness heads, in.	1/4	1/4	3/16	3/8
Extreme Length, in.	5 1/2	5 1/2	6 1/2	9 1/2
W't doz., lbs.	3	3	4	8
Per dozen	$13.92	13.92	16.80	25.68

WILLIAMS SUPER WRENCH ASSORTMENT

Assortment contains 36 Williams Super Engineers and Tappet Wrenches.

Display board is 8 3/4×29 in. Nicely finished. Three each of the following numbers:

ENGINEER'S WRENCHES

No.	Opening, in.
1023	13/32 & 1/4
1725	7/16 & 1/4
1725B	1/4 & 7/16
1025	1/4 & 9/32
1727	7/16 & 3/8
1027	13/32 & 7/16
1029	7/16 & 13/32
1731A	3/8 & 3/8

TAPPET WRENCHES

1090D	1/4 & 7/32
1092F	9/32 & 7/16
1094	9/32 & 3/8
1096	7/16 & 1

No. X3—M. H. W't per asst. 12 1/2 lbs., per assortment $64.26

Hibbard Hardware for Hard-Wear

CRYSTAL ONYX GEAR SHIFT BALLS

Manufactured crystal onyx having a beautiful grain of assorted tones and colors. The color or lustre lasts indefinitely—does not become dull or fade out. The ball will not crack. A good looking and greatly appreciated gift.

Imbedded in each ball is a master bushing known as Number "O" which will fit several cars as you will note by referring to chart below. Other cars require adapters to fit the particular thread. These adapters screw into the master bushing and then onto the gear shift lever.

We furnish an adapter, when requested, with each ball. The adapters are exchangeable at any time.

Car	Adapter No.
Ajax	1
Anderson	4
Apperson	4
Auburn '25 & earlier	6
Auburn '26	1
Auburn with Johnson gear lock	7
Buick	0
Cadillac	7
Case	7
Chalmers '23	4
Chandler '24 & later	0
Chrysler 4	4
Chrysler 6	16
Chevrolet '22 to 27	0
Chevrolet 1927	1
Cleveland	7
Cole	6
Columbia	4
Cunningham	4
Davis '25 & '26	1
Davis '24 & earlier	8
Diana	1
Dodge	1
Durant	0
Dusenberg	1
Elcar	1
Essex	3
Flint 60 and 80	15
Flint Jr.	15
Ford Perfection Axle	1
Franklin	7
Gardner 4, '25 and earlier	7
Gardner, '25	6
Gardner, '26	1
Gray	1
H. C. S. '23	6
Hudson 6	3
Hupmobile 4	4
Hupmobile 6	12
Hupmobile 8	15
Jewett '23 and earlier	16
Jewett '24 and later	1
Jordan 6	15
Jordan Line 8	1
Jordan Gt. Line 8	15
Kissel Kar, '22 and sport.	6
Kissel Kar 6	1
Kissel Kar Str. 8	1
Lincoln	1
Lexington '24 and earlier	6
Lexington '25 and '26	1
Locomobile 90	0
Locomobile Jr. 8	15
Marmon '24 and earlier	7
Marmon '25 and '26	13
Maxwell	4
McFarlan Str. 8	1
McFarlan 6, '21-'25	8
McFarlan Lt. 6	1
Moon '25 and later	1
Moon 6-40, '23	8
Moon, 6-58, '24	4
Nash	1
Oakland '23 and earlier	0
Oakland '24 and later	1
Oldsmobile 8	0
Oldsmobile 6	1
Overland	1
Packard 6 and 8	6
Packard 12	11
Paige '23 and earlier	16
Paige '24 and later	1
Peerless 6-72	4
Peerless 6-80	12
Pierce Arrow Big 6	7
Pierce Arrow Little 6	4
Pontiac	0
R & V Knight	4
Reo	4
Rickenbacker '23 and earlier	16
Rickenbacker 6 and 8	1
Roamer	8
Rollin	7
Star	15
Stearns Knight '24 and later	0
Stephens '23	7
Studebaker '25 and later	10
Studebaker '24 and earlier	5
Stutz Str. 8	15
Stutz '25 and earlier	1
Velie '25	11
Velie '26	6
Whippet	1
Wills St. Claire	1
Willys Knight	1

When Ordering—Specify Number Adapter Wanted or, Year, Make and Model of Car.

No. C5170—W't each ½ lb. ..... each $1.10

ONE IN A BOX

"Tough as a Rhino"
UP-UP-UP! And popularity for some things endures. The growing popularity of Cupples Cords rests on a sound foundation. The achievements of 75 years of Cupples merchandising experience and years of tire build ng progress unite to form the background of the Cupples Cord. It's a quality product—efficiently produced and distributed. Built with a side wall that smooths the roughest road with easy flexing, the Cupples Diamond Jubilee Balloon has a broad, black tread compounded to a standard of toughness that has no superior on any road today—at any price. It's the Cupples combination of ordinary price and extraordinary quality that will keep up the rapid pace by which the Rhino's popularity has grown. For Comfort — Safety — Good Looks and Wear, make your next tire a Cupples Cord It's toughness means value
CUPPLES COMPANY · SAINT LOUIS
A National Institution Since 1851
Representing the Cupples Balloon, Truck, Bus and High Pressure Passenger Car Models he Entire competitive unit es tires and tubes, made and warranted by Cupples, offers standard performance at a popular price
Cupples
TIRES TUBES

Courtesy of The Gardner Advertising Co *120 Screen and Mezzograph Combination Line and Halftone Plate*

AN UNUSUAL TIRE ADVERTISEMENT

Reproduced from Six separate Wash drawings of borders, trade-mark, tire and Rhino and one Pen drawing of slogan. Single line screen effect in borders. Ordinary in tire and Mezzograph screen in Rhino. All negatives Stripped into position

Engraved by PREMIER ENGRAVING COMPANY, ST. LOUIS

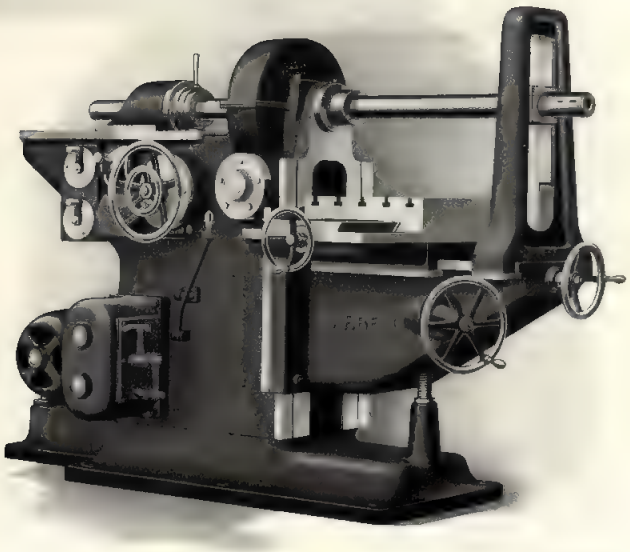
CENTURY ago Keats poured forth his adoration of Hellenic art in the "Ode to a Grecian Urn." To him, the utmost realization of beauty was to be found in the simplicity and grace of this vessel.
As truly Grecian in line and form as the ruins of the Parthenon is the exquisitely proportioned glass shown above. Artistic and craftsmen of the Luminaire Studios have been accurate in catching the mood of ancient Greece in the designing and executing of this luminaire.
CURTIS LIGHTING, Inc.
CHICAGO

Courtesy of Curtis Lighting, Inc. *133 Screen Halftone*

A TRADE JOURNAL ADVERTISEMENT (SHADOWGRAPH) * R *

Made from Four Separate Copies stripped into one Unit negative from which Shadowgraph effect was obtained

Designed and Engraved by PONTIAC ENGRAVING & ELECTROTYPE CO., CHICAGO



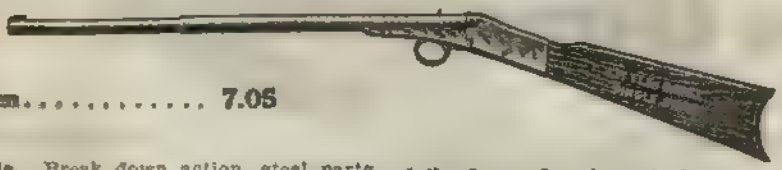
150 Screen Halftone

ILLUSTRATION IN ADVANCE OF PRODUCTION

The Wash drawing of the Machine was created from Blue prints before the Machine itself was manufactured

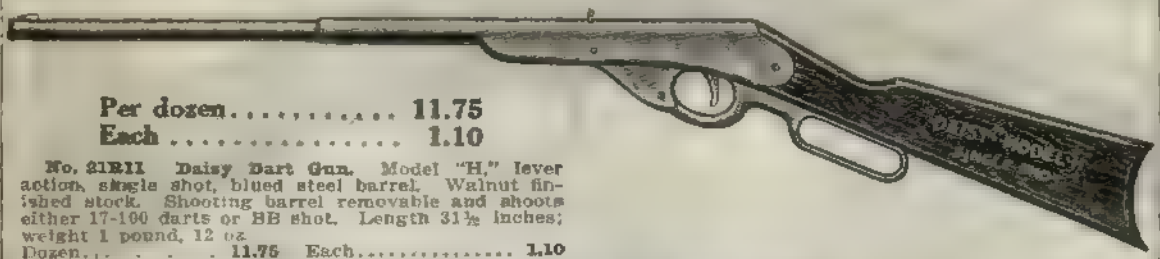
Drawn and Engraved by YOUNGSTOWN ARC ENGRAVING COMPANY, YOUNGSTOWN, O.

DAISY AIR RIFLES — *Known to Every Boy*



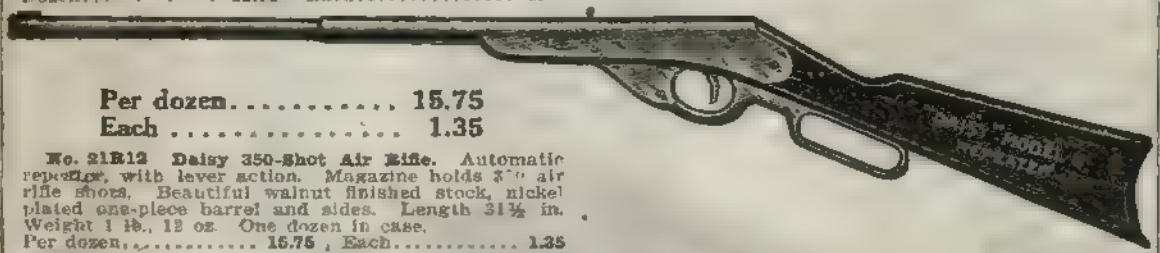
Per dozen..... 7.05

Daisy Air Rifle. Break down action, steel parts in blued finish, walnut stained stock, well constructed. Will give satisfaction. Length 23⅛ in. Weight 1 lb., 2 oz. One dozen in box
No. 21R10 Per dozen..... 7.05



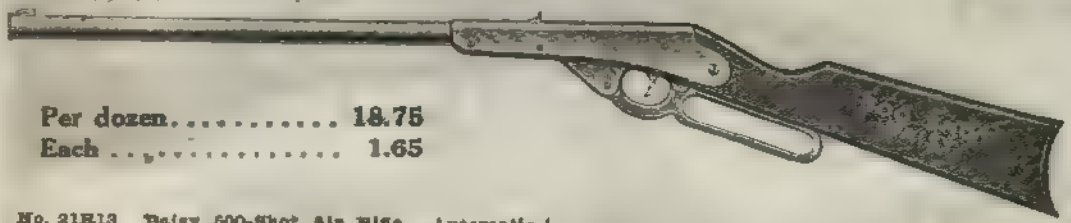
Per dozen..... 11.75
Each 1.10

No. 21R11 Daisy Dart Gun. Model "H," lever action, single shot, blued steel barrel. Walnut finished stock. Shooting barrel removable and shoots either 17-100 darts or BB shot. Length 31⅛ inches; weight 1 pound, 12 oz.
Dozen..... 11.75 Each..... 1.10



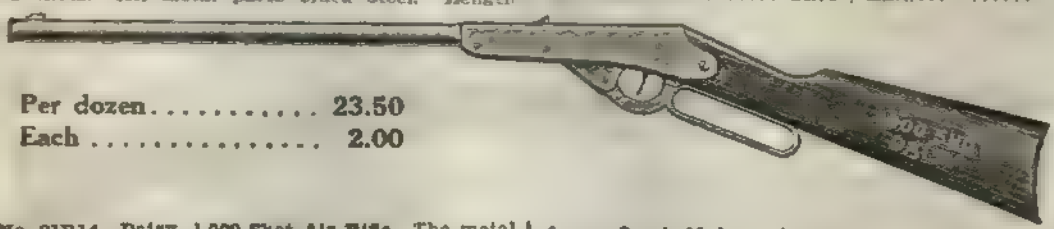
Per dozen..... 15.75
Each 1.35

No. 21R12 Daisy 350-Shot Air Rifle. Automatic repeater, with lever action. Magazine holds 350 air rifle shots. Beautiful walnut finished stock, nickel plated one-piece barrel and sides. Length 31½ in. Weight 1 lb., 12 oz. One dozen in case.
Per dozen..... 15.75 Each..... 1.35



Per dozen..... 18.75
Each 1.65

No. 21R13 Daisy 500-Shot Air Rifle. Automatic repeater with lever action. Magazine holds 500 Air Rifle shots. All metal parts blued steel. Length 33 inches, weight 2 lbs., 7 ounces. ⅛ dozen in case
Per dozen..... 18.75 Each..... 1.65



Per dozen..... 23.50
Each 2.00

No. 21R14 Daisy, 1,000-Shot Air Rifle. The metal parts are beautifully nickel plated. A beautifully finished strictly high grade air rifle. Weight 2 lbs. 9 oz. One-half dozen in a case.
Per dozen 23.50 Each..... 2.00

Pump Action Daisy

Each 3.35

No. 21R15 Take-down Model. Operates by pulling the slide toward the stock. Metal parts in non-rusting gun blue; stock genuine black walnut, hand polished. Shoots BB shot. Length 37 inches, weight 3¾ lbs. Each..... 3.35

Shot Guns

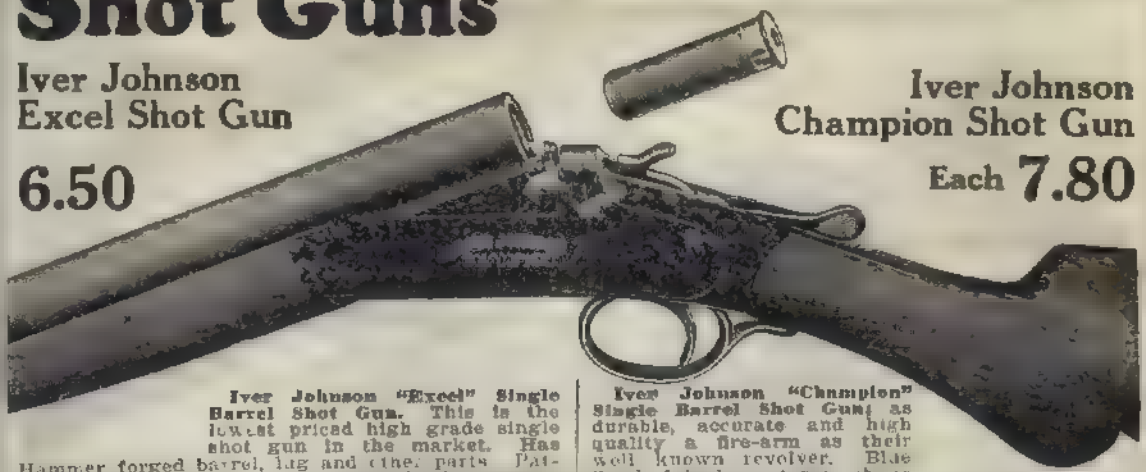
Single and Double Barrel and Repeating

Iver Johnson Excel Shot Gun

6.50

Iver Johnson Champion Shot Gun

Each 7.80



Iver Johnson "Excel" Single Barrel Shot Gun. This is the lowest priced high grade single shot gun in the market. Has Hammer forged barrel, lug and other parts Patented lock to take up wear. Coiled wire springs where necessary. Walnut finished stock and fore-end, pistol grip with hard rubber butt plate. Case hardened frame, coil mainsprings, rebounding hammer locking top lever. This fire-arm can be highly recommended.

No. 21R34. 12 gauge 30 in. barrel Each.... 6.50
No. 21R35. 410 gauge 26 in. barrel. Each.... 6.50

Iver Johnson "Champion" Single Barrel Shot Gun; as durable, accurate and high quality a fire-arm as their well known revolver. Blue Steel full long taper choke barrel, solid lug forged in one piece. Plain walnut oil finished stock and fore-end, pistol grip with hard rubber butt plate. Case hardened frame, coil mainsprings, rebounding hammer locking top lever. This fire-arm can be highly recommended.

No. 21R36. 12 gauge 30 in. barrel Each.... 7.80
No. 21R37. 410 gauge 26 in. barrel Each.... 7.80

Stevens Springfield Double Barrel Shot Gun

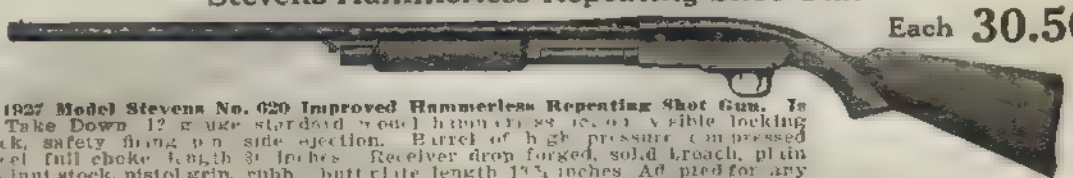
Each 16.50

Springfield Arms, No. 311, 12 gauge, Three Piece Double Barrel Hammerless Shot Gun. This low priced double barrel shot gun is made by the well known J. Stevens' Arms Co. The barrels are made of **high pressure** proof tested steel. Right barrel modified left barrel full choke has coil springs and chrome vanadium steel working parts. Attractive walnut finished stock half pistol grip with rubber butt plate, length about 14 inches, drop 3 inches, weight about 7¾ pounds. Length of entire gun 30 inches.

No. 21R41. Each.... 16.50

Stevens Hammerless Repeating Shot Gun

Each 30.50



1927 Model Stevens No. 620 Improved Hammerless Repeating Shot Gun. Is a Take Down 12 gauge standard model hammerless repeater, visible locking lock, safety firing pin side ejection. Barrel of high pressure compressed steel full choke length 30 inches. Receiver drop forged, solid breach, plain walnut stock, pistol grip, rubber butt plate length 13¾ inches. Adapted for any standard loaded shell up to 2¾ inches in length, six shots. Weight 7¾ lbs.

No. 21R43. Each.... 30.50

Savage Hammerless Repeating Shot Gun

Each 36.75

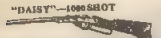
Model 1921 Repeating Shot Gun

New Savage Model 1921 Repeating Shot Gun. 12 gauge, Hammerless, Takedown, Solid Breech, moving parts enclosed, side ejection. Receiver channeled and matted in line of sight. Positive top tang safety. Action bar latch in trigger guard.

Stock full pistol grip varnish finish 14 inches long, 2⅝ inches drop at heel and 1⅝ inch drop at comb. Government specifications of rifle barrel steel used in barrels. Furnished with 30 inches full choke barrel. Six shot capacity with 2¾ inches shells, 7 shots with 2⅝ inches shells. Weight about 7½ pounds.

No. 21R48. Each.... 36.75

"DAISY"—1000 SHOT

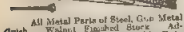


Steel Barrel, Frame and Lever Beautiful Blue Steel Finish Genuine Black Walnut Stock. Highly Polished. Magazine Repeater with Lever Action. Length, 36 Inches. Weight, 2 Pounds, 9 Ounces.

List Per Dozen

No. 3—Holds 1000 Air Rifle Shot. $36.00
Half dozen in a case. Weight of case, about 21 pounds.

"DAISY" NEW MILITARY MODEL

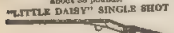


All Metal Parts of Steel, Gun Metal Finish. Walnut Finished Stock. Adjustable Army Sling and Detachable Rubber-tipped Bayonet. Rear Sights Open and Adjustable. Front Sight of Knife Type. Length, including Bayonet, 45 Inches. Length, Barrel, 24 Inches. Weight, 3 Pounds. 12 Ounces.

List Per Dozen

No. 40—50 Shot Repeater $60.0
Half dozen in a case. Weight of case, about 28 pounds.

"LITTLE DAISY" SINGLE SHOT

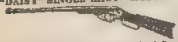


Steel Barrel and Frame. Blued Steel Finish. Walnut Finished Stock. Length 29 Inches. Weight, 1 Pound, 2 Ounces.

List Per Doz $1.50

No. 20—Single Shot . . . . .
One dozen in a case. Weight of case, about 16½ pounds.

"DAISY" SINGLE SHOT—MODEL H

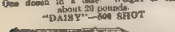


Steel Barrel and Frame. Blued Steel Finish. Walnut Finished Stock. Lever Action Shooting Barrel Removable. Single Shot Shoots Either Air Rifle Shot or 17-100 Darts. Length, 34½ Inches. Weight, 1 Pound, 12 Ounces.

List Per Dozen

No. 12—Single Shot $18.00
One dozen in a case. Weight of case, about 20 pounds.

"DAISY"—500 SHOT

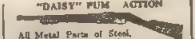


Steel Barrel, Frame and Lever Beautiful Blue Steel Finish. Genuine Black Walnut Stock. Highly Polished Automatic Repeaters with Lever Action. Length, 32 Inches. Weight, 2 Pounds, 7 Ounces.

List Per Dozen

No. 30—Holds 500 Air Rifle Shot. $30.00
Half dozen in a case. Weight of case, about 20 pounds.

"DAISY" PUMP ACTION

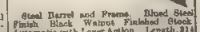


All Metal Parts of Steel.
Gun Blue Finish. Genuine Black Walnut Stock. Hand Polished Take Down Model. Adjustable Rear Sight. Forced Feed, 28 Inches. Weight 3 Pounds, 4 Ounces.

List Per Dozen

No. 25—Holds 50 Air Rifle Shot . . .
Half dozen in a case. Weight of case about 29 pounds.

"DAISY" REPEATER—MODEL H

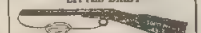


Steel Barrel and Frame. Blued Steel Finish. Black Walnut Polished Stock. Automatic with Lever Action. Length, 34½ Inches. Weight, 1 Pound, 12 Ounces.

List Per Dozen

No. 11—Holds 350 Air Rifle Shot. $4.50
One dozen in a case. Weight of case about 20 pounds.

DAISY POP GUNS "LITTLE DAISY"



Nickel-plated Steel Barrel. Break Down Action. Black Walnut Stock. Length Over All, 17 Inches. Shoots a Cork with Loud Report. No Danger. With Cork on string. List Per Dozen

No. 1012 . . . . . $6.0
One in a carton. Weight, each, 1 pound

Daisy

Metal Parts Finished in Gun Blue. A Good, Strong Noise Maker. Length, 17 Inches.

List Per Dozen

No. 7 . . . . . $2.00
One only in carton; twelve dozen in a case

BIG DAISY POP GUNS

Nickel Finish, Break-Down Action. Shoots Both Cork and Rubber Ball with Loud Noise; Cork and String Attached. Length 21 Ins.

List Per Dozen

No. 14 . . . . . $9.0
Three and six dozen in a case.

DAISY AIR RIFLES

Handsome Combination Gun Rack and Display Sign Lithographed in Full Life Size. It will Boost Sales of Daisy Air Rifles for You.

Display Rack FREE with the following Assortment of Daisy Air Rifles.

No. 1925
ASSORTMENT

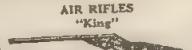
Per Assortment $21.00

Assortment Contains	Retail Each
2 No 11—350 Shot Repeater	$2.00
3 No. 12—Single Shot	1.50
3 No. 20—100 Shot	3.00
2 No. 3—1000 Shot	2.50
2 No. 30—500 Shot	5.00
2 No. 25—50 Shot Pump Action	

Retail Value $51 50

Costs Merchant

AIR RIFLES "King"

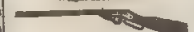


Single Shot

Lever Action. Barrel and Frame of One Piece, Polished Blued Steel. Walnut Finished Stock. Open Rear Sight. Shoots Air Rifle Shot or Darts. Length 31 Ins. Weight 1 Lb. 10 Ozs.

Per Dozen

No. 21—Single Shot . . . . .
One dozen in a case.
Weight about 25 lbs.



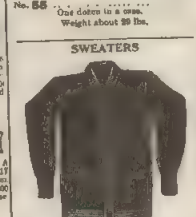
1000 Shot

Lever Action. Metal Parts are Heavy Steel, Blued and Polished. Walnut Finished Stock. Loads Automatically. Carefully Adjusted Sights. Length, 35 ins. Weight ¾ Lbs.

Per Dozen

No. 55 . . . . . .
One dozen in a case.
Weight about 20 lbs.

SWEATERS



Brushed Wool

A Smart Brushed Wool Sweater of Unusual Style. Made of Fine Quality Worsted Yarn in a Block Pattern of Buff and Brown. Combination with Plain Sleeves and Rank. Two Pockets.

Per Dozen

No. 887—Sizes 36, 38, 40, 42, 44 and 46 . . . . . $
One in a box.

Knit

A Practical Conservative Garment in Cardigan Stitch. Fine Quality Worsted Yarn. Warmth and Long Wear are Built into this Sweater. Two Pockets.

Per Dozen

No. 80V—Sizes 36, 38, 40, 42, 44 and 46 . . . . . { Buff / Navy
One in a box.

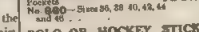
Camels Hair

A Smart Sport Coat of Finest Grade Brushed Natural Camels Hair. Comfortable, Serviceable and Stylish. Two Pockets.

Per Dozen

No. 880—Sizes 36, 38 40, 42, 44 and 46 . . . . .

POLO OR HOCKEY STICKS



Per Dozen

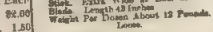
No. B—Medium Weight. Ash. Plain Finish. Length 30 Inches. Weight Per Dozen About 5 Pounds.

No. —Heavy Weight. Ash Varnished. Length 30½ Inches. Weight Per Dozen About 10 Pounds.

Per Dozen

No. A1—Canadian Boys' Hockey Stick. Extra Wide at Heel of Blade. Length 48 Inches. Weight Per Dozen About 12 Pounds. Loose.

SHINNY STICKS



Per Dozen

No. C—Light Weight for Boys. Length 30 Inches. Weight Per Dozen About 6 Pounds.

HUNTING KNIVES
Marble's

Acapem Ic Stalking Skinner, and for General Woodcraft. Handle .ne Heavy Tang, Brass Bolster, Aluminum Cap. Steel Blade, Highly Polished. Hole Ground at Back of Point for Breaking Small Bones.

Leather Covered Handle

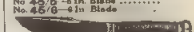
Each

No. 41/5—5 In. Blade with Sheath . . . . . .
No. 41/6—4 In. Blade with Sheath . . . . . .

With Hilt and Hilt Sheath

Each

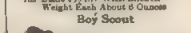
No. 45/5—5 In. Blade . . . . . .
No. 45/6—4 In. Blade . . . . . .



Each

No. 48—Leather Covered Handle, 3¾ Ins. Blade 4½ Ins. With Sheath
Weight Each About 6 Ounces.
No. 55—Stephens Handle, 3¾ Ins Blade 4½ Ins With Sheath
Weight Each About 6 Ounces

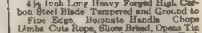
Boy Scout



4½ Inch Long Heavy Forged High Carbon Steel Blade Tempered and Ground to Fine Edge. Bayonnie Handle Chops Limbs Cuts Rope, Slices Bread, Opens Tin Cans, etc. Leather Sheath with Each Knife

No. 271 . . . . . Each
No. 242—Stainless Steel Blade
Half dozen in a box.

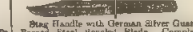
Imported



Stag Handle with German Silver Guard. Fine Quality Steel Riveted Blade. Complete with Leather Sheath. Each

No. 160—5 Inch Blade . . . .
Half Dozen in a Box

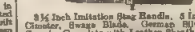
Olsen Special



3¼ Inch Imitation Stag Handle, 5 Inch Cleaver Swage Blade, German Silver Guard. Complete with Leather Sheath. Each

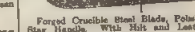
No. 206 . . . . . .
Half dozen in a box.

Universal



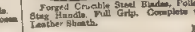
Forged Crucible Steel Blade, Polished Stag Handle. With Hilt and Leather Sheath. Each

No. 0020 { 5 Inch . . . . . / 6 Inch . . . . . }
Quarter Dozen in a Box.



Forged Crucible Steel Blades, Polished Stag Handle, Full Grip. Complete with Leather Sheath. Each

No. 62/4—Size 4 Inches . . . . . .
No. 62/5—Size 5 Inches . . . . . .
Half Dozen in a Box.



Black Enameled Handle, Riveted 5 in. Sewgeel Blade. Each Knife Furnished with a Leather Sheath as Illustrated.

Per Dozen

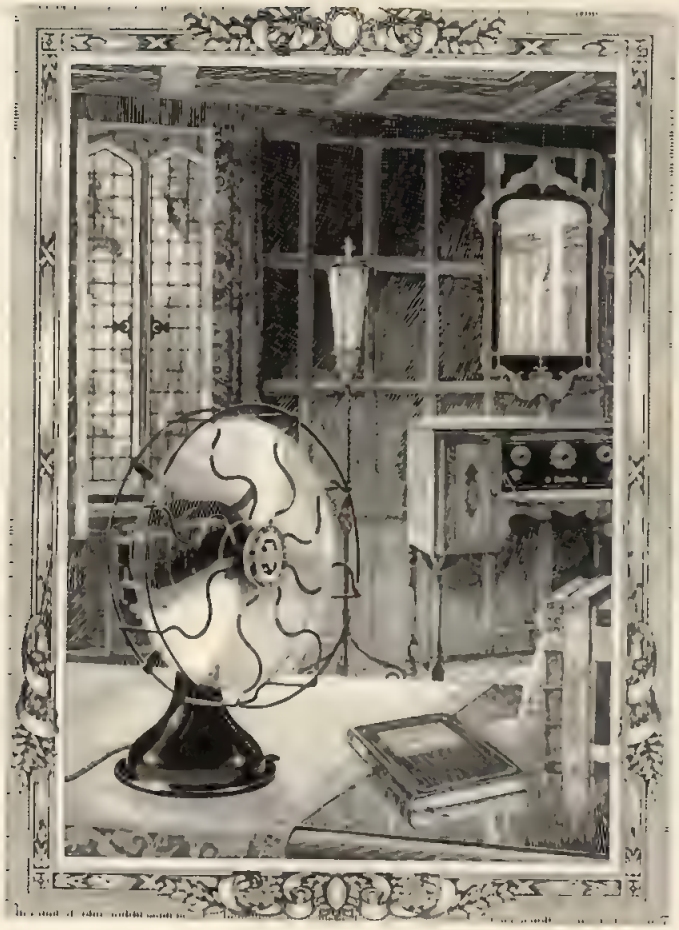
No. 1114 . . . . . .
One dozen in a box.

Courtesy of Walter Thompson Company, *and*
The Davey Tree Expert Co., Inc

Four-color process plates by
Jahn & Ollier Engraving Company, Chicago

Courtesy—National Lamp Co., Cleveland, Ohio

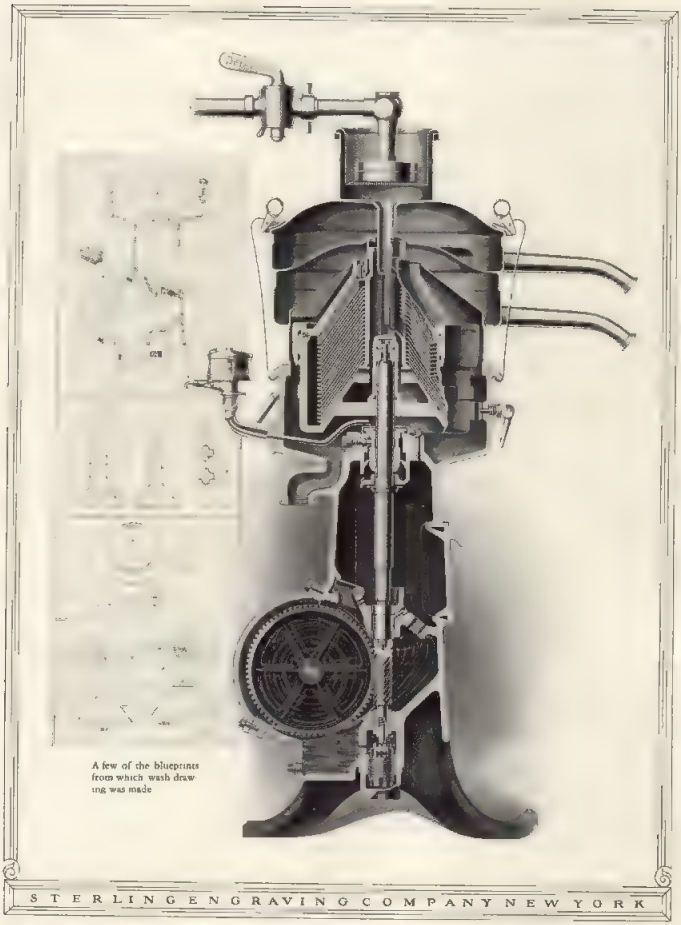
Four-color process plates by
Jahn & Ollier Engraving Company, Chicago



Courtesy of The Day Fan Electric Co

A PEN PICTURE CATALOGUE PAGE

Drawn and Engraved by THE SHAW & MARCHANT COMPANY, DAYTON, O.

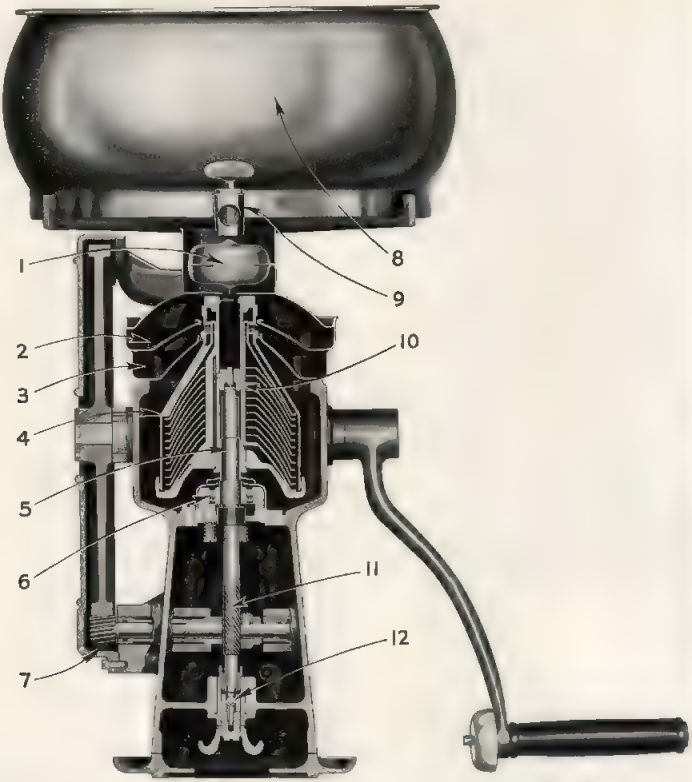


Courtesy of DeLaval Separator Co. *Drawn by Williams Illustrating Co.*

133 Screen Halftone

A BOOKLET ILLUSTRATION

Engraved by STERLING ENGRAVING COMPANY, NEW YORK



Courtesy Deere & Company

Combination Line and Halftone—150 Line Screen

CATALOG ILLUSTRATION

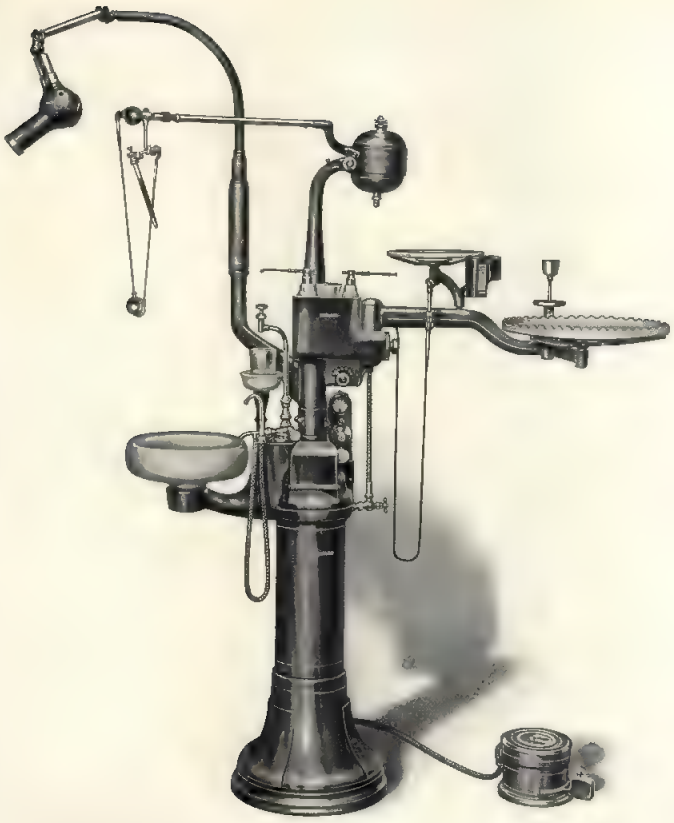
Wash Drawing by Barnes-Crosby Art Studio *Engraved by* Barnes-Crosby Company, Chicago

Courtesy The Mennen Corporation

Four Color Process Plates — 133 Line Screen

BOX LABEL ILLUSTRATION

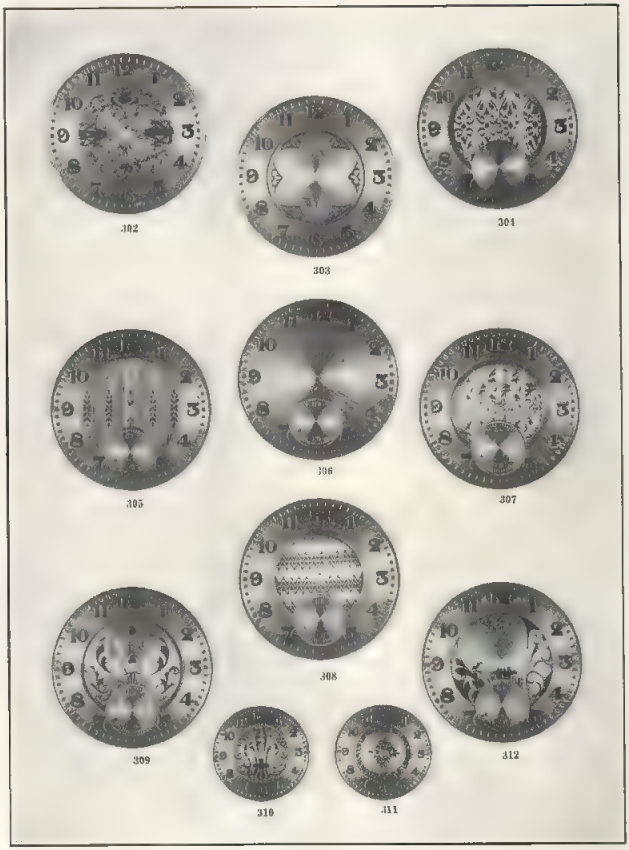
Water Color Painting by Barnes-Crosby Art Studio *Engraved by* Barnes-Crosby Company, Chicago



Courtesy of The Harvard Co. *150 Screen Halftone*

A DENTAL CATALOGUE ILLUSTRATION

Photographed, Retouched and Engraved by THE NORTHERN ENGRAVING COMPANY, CANTON, O.



Courtesy of Earl R. Mulcahey

133 Screen Halftone

BROCADED WATCH DIALS

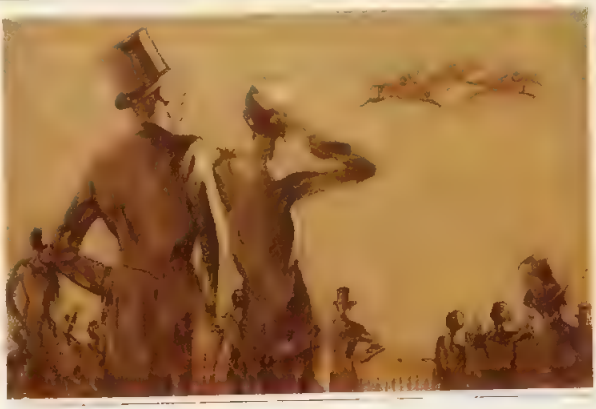
Halftone made direct from the goods

Engraved by W. H. GARDNER & SONS, PROVIDENCE, R. I.

DETROIT AND BELLE ISLE

Four-color process reproduction from black and white aerial photograph

ENGRAVED BY WAYNE COLORPLATE COMPANY, DETROIT



Original Wash Drawing in Colors by Cal Lee

Original Oil in Full Color by Frank Quad *Courtesy Cadillac Motor Car Co.*

Four-color process reproduction (166-line screen) of high-grade automotive advertising art

ENGRAVED BY WAYNE COLORPLATE COMPANY, DETROIT

Quick Sales Without Talk

CUSTOMERS buy Dietz Lanterns without talk.

They don't have to be convinced that Dietz Lanterns are what they want—they KNOW.

Since you pay your store salesmen for their TIME—and self-selling Dietz Lanterns save that time—PROFIT on Dietz Lanterns is better, quicker, surer—with no come-backs.

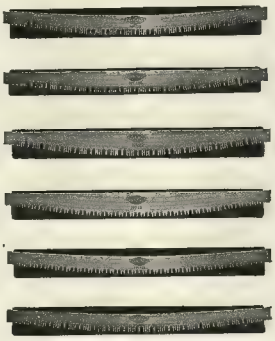
Small wonder then that most hardware merchants prefer to sell Dietz Lanterns.

R. E. DIETZ COMPANY, NEW YORK

LARGEST MAKERS OF LANTERNS IN THE WORLD—FOUNDED 1840. OUTPUT DISTRIBUTED EXCLUSIVELY THROUGH THE JOBBING TRADE

A DIETZ NO. 26 DISPLAY STAND HELPS CUSTOMERS TO HELP THEMSELVES

Quicker Sales — Better Saws and More Profit to You



Customer satisfaction means more saw sales to you. This is strongly shown by the demand, steadily increasing, for Simonds Crescent-Ground Cross-Cut Saws. These Saws are the best selling Cross-Cuts, because they have for years proved up to requirements for better saws that hold their edge longer and cut faster without binding in the kerf. They are fully guaranteed by the makers.

Your next order should call for Simonds Cross-Cut Saws—not only because they are more satisfactory to use, but also because they are more satisfactory to sell. Our selling proposition and dealers' discounts will interest you.

Write for them now.

Simonds Saw and Steel Company

Hardware Dept. Fitchburg, Mass.

SIMONDS Crescent-Ground

CROSS-CUT SAWS

STREET LAMPS

DIETZ PIONEER, Post.

Green enamel frame; No. 3 brass burner; 1½ inch flat wick and No. 35 globe; outside wick regulator and filler cap. Equipped with a time regulating device; adjustable to burn a certain number of hours; can be filled, lighted and regulated without removing globe. Cold Blast top, making this lamp absolutely wind proof.

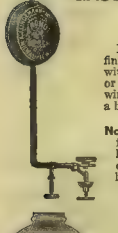
Each

No. 3DP—Height 27 ins; oil capacity 48 ozs; burns 24 hours..... $20 25

One in wood box; wt each 25 lbs.

GASOLINE ILLUMINATING TORCHES

SUNLIGHT



Brass valve and generating burner. Tank finished in hard baked japan and stenciled with gold bronze. Suitable for either indoor or outdoor lighting, neither affected by wind, rain, heat or cold and always produce a brilliant white flame.

Per Doz

No. 40T—Capacity 1 gal; will burn from 12 to 14 hours, producing a light equal to 8 gas jets, and at a cost of less than 1 cent per hour; length 40 ins..... $59 25

One doz in wood box; wt per doz 58 lbs.

LAMP SHADES

Opal glass, for Rayo, Rochester, Belgian and all other central draft lamps taking 10 in. shades.

Diameter bottom 10 ins; top 4 ins; height 6 ins.

No.	1332
Less than a carton, Each	$ 2 10
Full cartons, Per Doz	19 50

Half doz in carton.

BRACKET LAMP REFLECTORS

Nos.	**8F**	**9F**	**10F**
Diam, ins	8	9	10
Wt per doz, lbs	20	30	40
Per Doz	$17 25	19 80	22 50

Packed loose.

LAMP BRACKETS

Cast iron, coppered finish; stub for reflector and wall plate to screw to wall; will swing either way.

Per Doz

No. 71—Cup 5 ins in diam at top; 13 in. projection..... $12 00

Half doz in cardboard box; wt per doz 20 lbs.

Cast iron, copper finish; stub for reflector and wall plate to screw to wall; will swing either way.

Per Doz

No. 69—4 in. ring; 11 in. projection..... $6 00

Half doz in cardboard box, wt per doz 13 lbs.

LAMP BURNERS

SAFETY

Brass and well constructed for perfect combustion; rigid chimney supports and fitted with brass wire spring guard for holding chimney firmly in place.

Per Doz

No. 2S—For No. 2 collar, chimney and wick..... $4 20

One doz in carton; 25 doz in fibre case; wt per doz 2 lbs.

QUEEN ANNE

Extra heavy sheet brass; wheels strongly fastened on stems.

Per Doz

No. 10A—For No. 1 collar, chimney and wick; wt per doz 1 lb..... $3 30

No. 20A—For No. 2 collar, chimney and wick; wt per doz 2 lbs..... 3 45

One doz in cardboard box.

WHITE LIGHT, Steel Mantle.

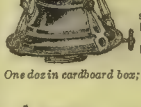
Brass, except the mantle, which is of steel. So constructed as to assure a large, clear flame, giving, without odor, a large bright light. Approved by Standard Oil Co. in laboratory test.

Per Doz

No. 32—For No. 2 collar, chimney and wick..... $4 50

One doz in carton; wt per doz 2 lbs.

PAULL'S



Brass, with wide brass chimney supports securely riveted.

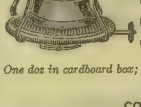
Per Doz

No. 1—For No. 1 collar, chimney wick..... $2 85

No. 2—For No. 2 collar, chimney and wick..... 3 15

One doz in cardboard box; 25 doz in fibre case; wt per doz 1¼ lbs.

PREMIER



Stamped brass, strong steel wire brass plated chimney supports.

Per Doz

No. 1P—For No. 1 collar, chimney and wick..... $2 40

No. 2P—For No. 2 collar, chimney and wick..... 2 64

One doz in cardboard box; 25 doz in fibre case; wt per doz 1¼ lbs.

COMBINATION

Cone of brass; all other parts cold rolled steel; brass plated, wire chimney supports.

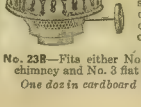
Per Doz

No. 1C—For No. 1 collar, chimney and wick..... $2 25

No. 2C—For No. 2 collar, chimney and wick..... 2 52

One doz in cardboard box; 25 doz in fibre case; wt per doz 1 lb.

REGAL



Heavy sheet brass and well constructed; continuous chimney support; cone can be removed for cleaning; will take Sun and Electric chimneys wheels strongly fastened on stem.

Per Doz

No. 23B—Fits either No. 2 or No. 3 collar; takes No. 2 chimney and No. 3 flat wick; wt per doz 2 lbs..... $5 55

One doz in cardboard box; twenty-five doz in wood case.

HAND, RIP AND PANEL SAWS

DISSTON

Skew Back.

Warranted refined crucible steel, patent ground and tempered, polished and etched; plain applewood handle, full polished; five brass screws; filed and set.

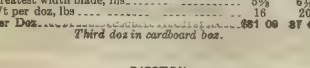
Nos.	Hand D8-H24	Hand D8-H26	Rip D8-R26	Rip D8-R28
Length cutting edge, ins	24	26	26	28
Points to in	8to10	7to11	5,5½,6	5,5½,6
Width blade at point, ins	2⅛	2⅜	2⅜	2⅝
Greatest width blade, ins	6⅜	7⅛	7⅜	7⅞
Wt per doz, lbs	20	24	22	24
Per Doz	$93 00	99 00	99 00	108 00

Panel.

Nos.	D8-P20	D8-P22
Length cutting edge, ins	20	22
Points to in	8to11	8to11
Width blade at point, ins	2¼	2½
Greatest width blade, ins	5⅝	6⅛
Wt per doz, lbs	16	20
Per Doz	$81 00	87 00

Third doz in cardboard box.

DISSTON



Skew Back, Ship.

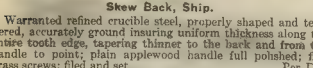
Warranted refined crucible steel, properly shaped and tempered, accurately ground insuring uniform thickness along the entire tooth edge, tapering thinner to the back and from the handle to point; plain applewood handle full polished; five brass screws; filed and set.

Per Doz

No. D8S-26 -Length cutting edge 26 ins; 7 to 10 points to the in; 6 ins wide at butt; 1⅛ ins at point; wt per doz 23 lbs. $96 00

Third doz in cardboard box.

DISSTON



Skew Back.

Warranted refined Disston made steel, patent ground, tempered, polished and etched; unbreakable Disstonite handle with permanent finish, will not warp, crack, check and not affected by heat, cold or moisture; fitted to blade with four brass screws; filed and set.

Nos.	Hand D18H-26	Rip D18R-26
Length cutting edge, ins	26	26
Points to inch	7 to 11	5½,6
Width blade at point, ins	2⅜	2⅜
Greatest width blade, ins	7⅛	7⅛
Wt per doz, lbs	33	33
Per Doz	$117 00	117 00

One in cardboard box.

HAND, RIP AND PANEL SAWS

DISSTON

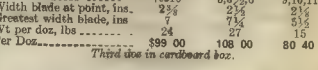
Straight Back.

Warranted refined crucible steel, patent ground and tempered, grained and etched; applewood handle carved and polished; four brass screws; filed and set.

Nos.	Hand 16H-26	Rip 16R-28	Panel 16P-20
Length cutting edge, ins	26	28	20
Points to in	7to10	5,5½,6	9,10,11
Width blade at point, ins	2⅜	2½	2⅛
Greatest width blade, ins	7	7⅛	5⅝
Wt per doz, lbs	24	27	15
Per Doz	$99 00	108 00	80 40

Third doz in cardboard box.

DISSTON



Straight Back, Ship Pattern.

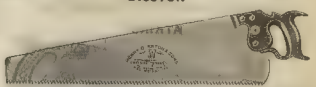
Refined crucible steel, grained blade; close up apple wood handle carved and polished; 4 brass screws.

Per Doz

No. 16S-26—Hand; length cutting edge 26 ins; 7 to 10 points to inch; width at point 1½ ins; width blade 6½ ins $99 00

One in paper container, 1½ doz in cardboard box; wt per doz 23 lbs.

DISSTON



Straight Back.

Warranted crucible steel, patent ground and tempered grained and etched; plain beechwood handle, full polished; four brass screws; filed and set.

Nos.	Hand 7H-26	Rip 7R-28
Length cutting edge, ins	26	28
Points to in	6to10	5,5½
Width blade point, ins	2⅛	2¾
Greatest width blade, ins	7¼	7¾
Wt per doz, lbs	26	28
Per Doz	$87 00	102 00

Third doz in cardboard box.

DISSTON

Straight Back, Ship.

Warranted crucible steel, patent ground and tempered, grained and etched; plain beechwood handle, full polished; four brass screws; filed and set.

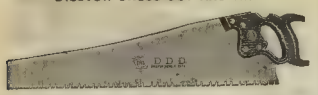
Per Doz

No. 7S-26—Length cutting edge 26 ins; 7 to 10 points to in; width blade at point 1½ ins; greatest width blade 6½ ins; wt per doz 22 lbs. $87 00

Third doz in cardboard box.

DOUBLE DUTY SAWS

DISSTON CROSS CUT AND RIP



Skew Back.

Warranted crucible steel blade, patent ground and tempered, polished and etched; hardwood handle, full polished; four brass screws.

Per Doz

No. D17-26—Length cutting edge 26 ins; width blade at point 2¾ ins; greatest width 6¾ ins; wt per doz 25 lbs $105 00

Third doz in cardboard box.

HAND SAWS

DISSTON, HANDY HAND SAW

Skew Back.

Disston made steel blade, hardened, tempered, polished and etched; varnished hardwood handle; four brass screws, filed and set.

Per Doz

No. 616-24—Length blade 24 ins; 8 points to the in; width blade at point 2¼ ins; greatest width blade 6¼ ins $45 00

Half doz in cardboard box; wt per doz 19 lbs.

ATKINS

Skew Back, Hand.

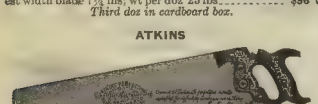
Warranted silver steel, taper ground and tempered, polished and etched. Atkins Perfection embossed applewood handle, full polished; four brass screws; hand filed and set.

Per Doz

No. 53A-26—Length cutting edge 26 ins; 7 to 11 points to in; width blade at point 2½ ins; greatest width blade 7¼ ins; wt per doz 25 lbs $96 00

Third doz in cardboard box.

ATKINS



Straight Back, Regular.

Warranted silver steel, taper ground and tempered, polished and etched; Atkins Perfection embossed applewood, handle, full polished; three nickeled screws and medallion; hand filed and set.

Per Doz

No. 65AH-26—Length cutting edge 26 ins; 7 to 11 points to in; width blade at point 2½ ins; greatest width blade 7⅛ ins; wt per doz 25¾ lbs $96 00

Third doz in cardboard box.

HAND SAWS

ATKINS

Straight Back, Ship.

Warranted silver steel, ground and tempered, polished and etched; Atkins Perfection embossed applewood handle, full polished, three nickeled screws and medallion; hand filed and set.

Per Doz

No. 65AS-26—Length cutting edge 26 ins; 7 to 11 points to in.; width blade at point 1¾ ins; greatest width blade 6¼ ins; wt per doz 22½ lbs $96 00

Third doz in cardboard box.

ATKINS

Skew Back, Regular.

Genuine silver steel, perfectly tempered, mirror polished and etched, ground full tapering four gauges and will operate free and easy with very little set; Perfection rosewood handle, piano finish, three nickeled screws and medallion.

Per Doz

No. 400H-26—Length cutting edge 26 ins; 8 to 11 points to in; width of blade at point 2½ ins; greatest width blade 7⅛ ins; wt per doz 31¼ lbs $156 00

One in cardboard box.

ATKINS

Skew Back, Ship.

Genuine silver steel, perfectly tempered, mirror polished and etched, ground full tapering four gauges and will operate free and easy with very little set; Perfection rosewood handle, piano finish, three nickeled screws and medallion.

Per Doz

No. 401S-26—Length cutting edge 26 ins; 8 to 11 points to in; width of blade at point 1¾ ins; greatest width blade 6¼ ins; wt per doz 28½ lbs $156 00

One in cardboard box.

RELIABLE

Skew Back.

Cast steel blade, polished and etched; beechwood handle polished edges, four brass screws, filed and set.

Per Doz

No. 59A-26—Hand, length cutting edge 26 ins; 7 to 10 points to in; width blade at point 2¼ ins; greatest width blade 6¾ ins; wt per doz 26 lbs $58 50

Third doz in cardboard box.

85 Screen Two Color Plates on Copper

A PAMPHLET ILLUSTRATION

Reproduced from Outline Pen drawing. Line negative surprinted on halftone screen negatives and etched to produce effect similar to Benday

Engraved by THE CRAFTSMEN ENGRAVERS, INCORPORATED, WILKES-BARRE, PA.

Courtesy of Sanphusch Self Closing Inkstand Co. *133 Screen Two Color Halftones and One Tint Plate*

A CATALOG ILLUSTRATION

Reproduced from Black and White Retouched photograph

Retouched and Engraved by KRUS ENGRAVING COMPANY, MILWAUKEE

Courtesy of the Ladies Home Journal

Copyright 1927, by the Curtis Publishing Co.

DOGS AND THEIR MOODS

120 Screen Highlight Halftone reproduced from Pen and Brush drawing by the Bassani Process, eliminating re-etching and hand tooling

Engraved by THE BECK ENGRAVING COMPANY, PHILADELPHIA

Dorfan

The *Exclusive* Electric Train Line

DEALERS who carry the Dorfan line have one very important advantage over those who carry some other line instead—namely, Dorfan's exclusive **"Construction"** feature. For Dorfan, with vision made keen by years of experience in the toy business, **foresaw** the present great and growing demand for educational and construction toys and met it with a practical, durable "take-apart" Locomotive.

The Dorfan "Loco Builder" is the **only** "knock-down" electric locomotive made. And because it is fully protected by Dorfan patents, it is obtainable **only** in the Dorfan line. If you stock this line you will profit by this feature and by the increased demand arising from this year's wider Dorfan Advertising Program. In millions of homes all over America the Loco Builder story will be read with eager interest. Many of these homes contain customers that YOU should serve.

THE DORFAN COMPANY
137 Jackson Street, Newark, N. J.

"Twice as Much Fun"

DORFAN
ELECTRIC TRAINS
WITH THE NEW LOCO-BUILDER

TOY MOTORS
MECHANICAL TRAINS
ACCESSORIES

ECO is different

"There's something about that word that draws the crowds"

"It's different"—and people throng the show room of the newly announced car. *"It's different"*—and traffic jams the newly opened bridge. *"It's different"*—and autoists flock to the ECO Automatic.

The unusualness of ECO makes motorists stop. The novelty of setting a dial—applying the chuck—and waiting for the bell to stop ringing fascinates them. They return time after time. And it's surprising how many become customers.

Bring in the motorists and boost business. Write today for the complete story on ECO Automatic Air Stations.

SERVICE STATION EQUIPMENT CO.
302 Enterprise Street Bryan, Ohio

In Canada:
Service Station Equipment Co., Ltd.
510 King St., East Toronto, Ontario

ECO
AUTOMATIC
AIR STATION

ECO also manufactures a complete line of Automatic Air Compressors

ANVIL TOOLS

SOLID STEEL

WEIGHTS GIVEN ARE APPROXIMATE

No. 1-30

No. 1190 Atha Top Swages (1190 Plumb).

Size, Ins.	½	⅝	¾	⅞	1	1¼
Wt., Lbs.	2½	9¼	2½	3½	3½	3¾
Each						

No. 1210—Atha Top Fullers (1210 Plumb)

Size, In.	½	⅝	¾	⅞	1
Wt., Lbs.	2½	2½	2½	2½	3
Each					

No. 1170

No. 1250

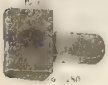
No. 1250 Atha Set Hammers (1210 Plumb

Size, Ins.	1	1¼	1½
Wt., Lbs.	1	2	3½
Each			

No. 1200 –Atha Bottom Swages (1140 Plumb).

Size, Ins.	½	⅝	¾	⅞	1	1¼
Wt., Lbs.	2	2½	2½	2½	3	3
Each						

No. 1140



No. 1180

No. 1220—Atha Bottom Fullers (1180 Plumb)

Size, Ins.	½	⅝	¾	⅞	1	1¼
Wt., Lbs.	2½	2½	2½	2½	2½	2½
Each						

No. 1110

No. 1230 –Atha Flatters (1190 Plumb).

Size, Ins.	2	2½	3	3½
Wt., Lbs.	2	3½	4½	6
Each				

No. 1305

No. 1310—Atha Hardies (1200 Plumb)

Size, Ins.	½	¾	⅞	1
Wt., Lbs.	¾	1½	1½	2
Each				

No. 1270 Atha Round Punches.

Size, In.	½	¾	⅞	1
Wt., Lbs.	1¾	1¾	2	2
Each				

Loose.

BLACKSMITHS' ANVILS

EAGLE

SOLID CRYSTALIZED IRON BODY

Japanned Finish. Hardened and Tempered Steel Face Welded on. Cut, Ground and Polished Steel Horn. Square Hardy Hole Near Heel. Guaranteed.

Factory Shipment Only

Base.	Per Pound $
70 Lbs.	
80 Lbs and Over	

BLACKSMITHS' ANVILS

Prices on Request

Factory Shipment Only

PETER WRIGHTS'

SOLID WROUGHT IRON HORN AND END STEEL FACE

F. O. B. New York

Per Pound	
50 to 349 Lbs	$

HAY BUDDEN

SOLID WROUGHT. Factory Shipments Only. F.O.B. New York

Base.	Per Pound
80 to 425 Lbs.	
500 lbs. or more	
Less than 500 lbs	

Extras	
10 to 19 Lbs., Add to Base	$
20 to 29 Lbs., Add to Base	
30 to 39 Lbs., Add to Base	
40 to 49 Lbs., Add to Base	
50 to 69 Lbs., Add to Base...	

Extras	Extras
60 to 69 Lbs., Add to Base	$ .01426 to 625 Lbs., Add to Base$
70 to 79 Lbs., Add to Base	.0[4]626 to 800 Lbs., Add to Base

SEMI STEEL

For Farm or Light Shop Use. Large Percentage of Steel in Mixture. Makes Them Hard and Tough.

		Per Pound	Each
No. 5088—	55 Lbs.	$	
No. 7088—	70 Lbs.	$	
No. 10088	100 Lbs.	$	

PARAGON

GENUINE SWEDISH CRUCIBLE STEEL

Face and Body are One Piece. No Weld Exists. Face Never Separates from Body. Face is Harder Steel Than Body and Properly Tempered. Anvils have Received Unqualified Approval of the Most Particular and Discriminating Smiths. Face, Table and Horn Finely Finished. Heel and Horn Shaped to Give Best Results. Have a Beautiful Clear, Bell-like Ring.

Nos.	50	55	65	75	100	125	150
Wt., Lbs.	50	55	65	75	100	125	150
Width Face, Ins.	3	3⅛	3⅛	3⅜	3⅜	4⅛	4⅛
Length Face, Ins.	10	10¼	11½	12	13	14½	15½
Length Horn, Ins.	6¾	7	7½	7⅞	8	8⅜	9½
Wt., Ins.	7⅛	7⅞	8¼	8½	9½	10	11
Per Lb.							

Nos.	175	200	250	300	350	400	450
Wt., Lbs.	175	200	250	300	350	400	450
Width Face, Ins.	4½	4¾	5	5¼	5¼	5⅝	6
Length Face, Ins.	15½	16½	17½	19½	20½	21	24
Length Horn, Ins.	10	11	11½	12¾	12⅝	15	16½
Wt., Ins.	11½	12½	13½	14	14½	15	16
Per Lb.							

Loose

Courtesy Lincoln-Ornoco Shops *Paper stock—Butler's Hytype Halftone—a print paper*

FOUR-COLOR PROCESS PRINTING ON ROUGH PAPER

Photography, Engraving, and Printing by The Dean-Hicks Company

Courtesy Eagle-Ottawa Leather Co *Paper, Courtesy Butler Paper Corporation*

FOUR-COLOR PROCESS PRINTING ON ROUGH PAPER

There are times when it is desirable to reproduce merchandise in colors on something other than a smooth finished paper without resorting to stunt or trick printing. The process-plates used in printing this insert were made by enlarging the screen negatives of direct-from-the-object color plates. The pictures shown here represent but a portion of the original plates. The enlarged plates retain all the details of the originals, and the screen is sufficiently coarse to print readily on machine finish, text, or newsprint papers. The direct photographs of original groupings on color separation negatives, engraving of original and enlarged plates, and the printing of this insert were done by The Dean-Hicks Company of Grand Rapids, Michigan.

Courtesy Eagle-Ottawa Leather Co *Paper, Courtesy Butler Paper Corporation*

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Courtesy Lincoln-Ornoco Shops *Paper stock—Butler's Hytype Halftone—a print paper*

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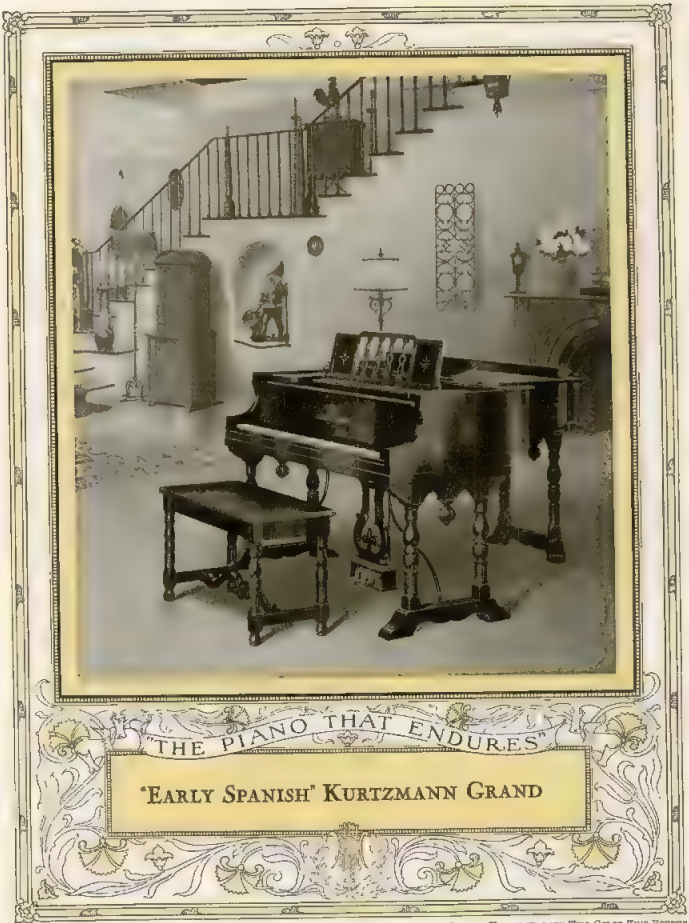
Photography, Engraving, and Printing by The Dean-Hicks Company



Courtesy—C. KURTZMANN & COMPANY

150 SCREEN HALFTONE, WITH TWO-COLOR ZINC BORDER

A PLEASING PICTURE IN TWO PRINTINGS

ENGRAVED BY
THE UNIVERSAL ENGRAVING & COLORPLATE COMPANY, INC.
CLEVELAND AND BUFFALO

PRINTED BY
THE WHITNEY-GRAHAM COMPANY, INC.
BUFFALO AND NEW YORK CITY

GOLF CLUBS

These are High-Grade Clubs Throughout Well Finished, Calf Leather Grips.

GOLF CLUBS

Hillerich & Bradsby "Kernel"

Driver

Well Rounded, Medium Size Head long Face and Flat Lie Lengths 42 to 44 Ins. Depth of Face 1¾ Ins. Length of Face 2¾ Ins. Width of Head 2¾ Ins. Hickory Shaft. Calf Grip.

Each

No. 21D—Retails $3.50 Each

Brassie

Same as No. 21D Driver but with Brassie Loft. Lengths 42 to 44 Inches. Depth of Face 1¾ Ins. Length of Face 2¾ Ins. Width of Head 2¼ Ins. Hickory Shaft, Calf Grip.

Each

No. 21B—Retails $3.50 Each....

Mid Iron

Narrow Blade with Oval Back Lengths 38 to 39½ Ins. Depth of Face 1¼ Ins. Length of Face 3¼ Ins. Loft ¼ in Lie 60 Degrees.

Each

No. 21MI—Retails $3.00 Each ..

Putter

Straight Back and Blade, Medium Lie, Well Balanced. Depth of Blade 1¼ Ins. Length of Blade 3½ Ins. Loft of Blade ¼ In. Hickory Shaft, Calf Grip.

Each

No. 21P—Retails $3.00 Each ...

Mashie

Very Deep Face. A Club for Heavy Lies. Depth of Blade 1⅞ Ins. Length of Blade 3¼ Ins. Loft of Blade 44½ Ins. Hickory Shaft, Calf Grip

Each

No. 21M—Retails $3.00 Each . .

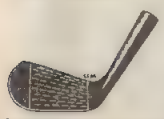
Niblick

Deep Blade, Well Lofted. A Friend in Trouble. Depth of Blade 2½ Ins. Length of Blade 2 Ins. Loft of Blade 1 Ins. Lengths 36 to 38½ Ins.

Each

No. 21N—Retails $3.00 Each ..

Iron Clubs



Correct Balance, Weight, and Loft. With Smooth Leather Grips

Each

No. 51M—Mashie .
No. 51MI—Midiron . .
No. 51P—Putter . .

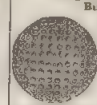
GOLF CLUBS
Hillerich & Bradsby "Invincible" Wood Clubs

Well Proportioned Standard Size Head in Glossy Black Finish With Smooth Leather Grips

Each

No. 51D—Driver
No. 51B—Brassie

GOLF BALLS
Wright & Ditson Bullet



A Lively Ball for Distance. High-Powered, but Will Stop Quickly, Assuring Accuracy for the Expert Player.

Per Dozen

No. Bullet—Retails 85c Each
One Dozen in a Box, Weight 3 Lbs.

"75"

A Durable Ball with High Driving Approaching and Putting Qualities Very Popular

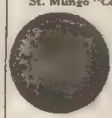
No. 75—Retails 75c Each . . Per Dozen
One Dozen in a Box, Weight 3 Lbs.

Black Circle

A Ball That is Lighter in Weight than Standard for Golfers who Prefer Them. True and Durable.

No. Black Circle—Retails 85c Ea. Per Doz
One Dozen in a Box, Weight 1¾ Lbs.

St. Mungo "Colonel"



Made in Dimpled and Mesbrol Marking. Extreme Durability. Maximum Length of Flight.

No. St. Mungo Colonel . . Per Dozen
One dozen in a box.
Weight per dozen about 3 lbs.

GOLF BALLS

Blue Colonel

Dimpled Marking Only. High-grade Ball with Good Flight. Meets All Requirements of U. S. Association Non-Rusting

Per Dozen

No. BC

Dimpled Marking Only. High-grade Ball with Good Flight. Meets All Requirements of U. S. Association Non-Rusting

Blue Chick Colonel

A New Hard-wound, Hard-Sound Construction. Ball Is Light in Weight but Are Carry Powerful. Gets Less Stroke With Increased with a Distance and Chick-Proof Easting

Per Dozen

No. BCC
One dozen in a box, weight about 2 lbs

REACH GOLF BALLS
"Eagle"

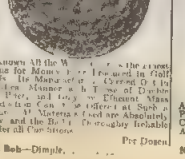
Wonderful Distance in Flight and Roll. Yet Perfectly Controllable on the Green Very Durable. Carefully Made to Standard Size and Weight. Non-Floating

Mesh Marking.

Per Dozen

No. EM
Retails 85c Ea.

CHEMICO GOLF BALLS



Known All the World Over as the Finest Value for Money ever Presented in Golf Balls. Its Manufacture a Guarded Secret by Its Clever Manufacturers. Those Who Play the Best, and Long for Distant Mark, Prefer to Use Chemicos. Superior to Others at Such a Price. All Materials Used are Absolutely New and the Best. Thoroughly Reliable Under all Conditions

Per Dozen

No. Bob—Dimple. . . .

CHEMICO GOLF BALLS

A Super Ball. It is Manufactured under most Careful Supervision. Being Created and Tested after Each Stage of Manufacture. All Materials Used are the Best Procurable. The Chemico Ball is the Result of Years of Experience. It is a Ball Made Expressly for Professional and Tournament Players.

Per Dozen

No. DeLuxe-Mesh

This Ball Possesses All the Essential Qualities that are Required by the Most Critical Golfer. Long Straight, Steady Flight, Accuracy on the Green, a Practically Indestructible Cover, and a Paint that Cannot Chip Off

Per Dozen

No. R34—Mesh or Dimple

A Really Good Golf Ball that Can Always be Relied Upon for Average Players. All Materials Used are of First Class Quality, and Fullest Care is Taken in All Stages of Manufacture

Per Dozen

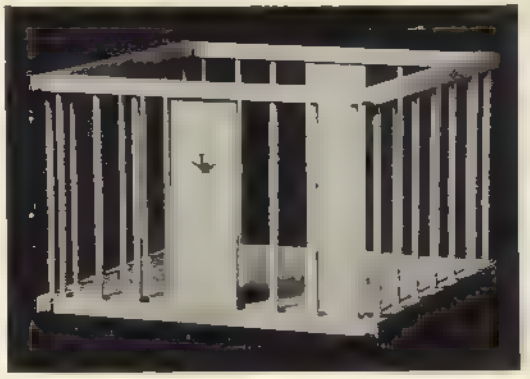
No. Triumph—Mesh or Dimple

TWO BIG DOLLAR DAY SPECIALS

These two special numbers will be shown throughout the country by dealers who are looking forward to more sales.

Our Doll's Baby Yard, which is a new number, will appeal to everyone as well as the wagon at $1.00 retailers.

Similar values shown in our catalog.



Write for Catalog and Price List

THE N. D. CASS CO.

ATHOL, MASS.

Salesrooms: 200 - 5th Avenue, N. Y. C.

TRADE MARK EEGEE DOLLS MADE IN U.S.A.

Manufacturers of

MAMA DOLLS BABY DOLLS
MECHANICAL WALKING DOLLS
BISQUE HEAD DOLLS (Marseille)

We are pleased to advise the trade that we are prepared to guarantee PROMPT DELIVERY of every order accepted by us. Our facilities for turning out large quantities are unequalled in the trade.

Samples and prices on request

E. GOLDBERGER

307 RICHARDSON STREET BROOKLYN, N. Y.

Sample Room: MONROE HITZ CO., 857 Broadway, New York City

MAWAPHIL DOLLS

More Than 50 New Creations

The 1927 Mawaphil line includes more than 50 beautiful new creations in hand-made and hand-painted soft plush and stockinet dolls.

Catalog reproducing Mawaphil Dolls in full colors gladly mailed upon request.

New York Display Room: Room 501, 366 Fifth Avenue
H. M. EDELMAN in charge

THE RUSHTON COMPANY, 355-363 Marietta Street, Atlanta, Ga.

NOTICE

Sept. 20th, 1926

The CTY Specialty Company

Manufacturers of

CENTURY Brand Birthday Cake Candle Holders

SOLD OUT TO

N·D·Q· SPECIALTY CORPORATION

2566-2570 ATLANTIC AVENUE
BROOKLYN — NEW YORK

Largest Manufacturers of Cake Candle Holders in the World.

Capacity Now One-Quarter Million Candle Holders Daily

Write for REDUCED prices on N. D. Q. Brand and BARGAIN price on Century Brand

Elgin Watches

New Type Streamline and Classic Series

Complete watches only. Fitted and regulated before leaving the factory. A watch noted for its smoothly flowing lines and great accuracy. Each model is up to the minute in design and the best watch value for the money. Each watch is put up in a handsome presentation box.

40.00 Streamline

No. 9W175. 12 size, extra thin, exceptional time keeping quality in a slender model. 17 Jewel Adjusted Movement. Fancy silvered dial. 14 Kt. white gold filled case engraved edge and bow.
Each..... **25.00**

No. 9W176. As above in 14Kt. Green Gold filled case.
Each **25.00**

Prices on Elgin Watches are Subject to Discount

People find the Elgin "The Professional Time-keeper." It is the natural reaction of carrying a time-piece of authority. An Elgin watch may be the plainest of practical time-pieces or it may be encased in the finest example of the gold and platinum smith's art. But it is always true to the one and only thing a watch is for—to tell time and tell it right.

$100.00 Cushion

12 Size Cushion Shape, 14 Kt. solid white gold case, engraved border, butler finished back, thin model 17 Jewel G. M. Wheeler movement, 6 adjustments, silver dial with raised gold numerals and gold hands.
No. 9W200 Each **$80.40**

All Watches Listed on this Page Come in Fancy Display Boxes

75.00 Cavalier

No. 9W238. 12 size extra thin, exceptional time keeping quality in a slender model. 14Kt. solid white gold case. 17 Jewel adjusted movement. Raised gold numerals and hands. Engraved border, cap case.
Each **44.55**

No. 9W237. As above in 14 Kt. Solid Green Gold Case.
Each **44.55**

100.00 Crusader

No. 9W178. The new Crusader Elgin. 12 size, extra thin, exceptional time keeping quality in a slender model. Has the famous G. M. Wheeler movement. 17 Jewel, 6 adjustments. Silvered dial. Raised gold numerals and gold hands. 14 Kt. solid white gold. Cap case of new design.
Each **59.40**

No. 9W180. As above in 14 Kt., solid green gold case.
Each **59.40**

150.00 Classic

No. 9W181. 12 size thin model. 19 Jewel Lord Elgin movement. 8 adjustments and exquisite workmanship throughout. Silvered dial with raised gold numerals and gold hands. 14 Kt. solid white gold border. Engraved case.
Each **89.10**

No. 9W182. As above in 14 Kt. solid green gold case.
Each **89.10**

175.00 Corsican

No. 9W183. 12 size, thin model, 21 Jewel Lord Elgin movement, 8 adjustments, finest craftsmanship throughout. Sterling silver dial with beautiful new relief mat finish. Raised gold numerals and gold hands. 14 Kt. solid white gold Engraved border case.
Each **103.90**

No. 9W184. As above in 14 Kt. solid green gold case.
Each **103.90**

Complete Elgin Watches

14K Green and White Gold Filled 25 Year Cases

Thin Model—Latest Designs—Beautifully Engraved

Elgin Watches Are Subject-To-A-Discount

12 size open face 14 kt. Green Gold filled 25 year fancy engraved thin model case.

No. 9W103. Fitted with 7 Jewel Elgin Movement. Each.... 14.80

No. 9W104. Fitted with 15 Jewel Elgin Movement. Each.... 18.00

No. 9W105. Fitted with 17 Jewel Elgin Movement. Each.... 19.95

12 size cushion 14 kt. Green Gold filled 25 year fancy engraved latest model case.

No. 9W106. Fitted with 7 Jewel Elgin Movement. Each.... 16.45

No. 9W107. Fitted with 15 Jewel Elgin Movement. Each.... 19.65

No. 9W108. Fitted with 17 Jewel Elgin Movement. Each.... 21.60

12 size Octagon 14 kt. Green Gold filled 25 year fancy engraved latest model case.

No. 9W109. Fitted with 7 Jewel Elgin Movement. Each.... 16.45

No. 9W110. Fitted with 15 Jewel Elgin Movement. Each.... 19.65

No. 9W111. Fitted with 17 Jewel Elgin Movement. Each.... 21.60

12 size open face 14 kt. White Gold filled 25 year fancy engraved thin model case.

No. 9W112. Fitted with 7 Jewel Elgin Movement. Each.... 14.80

No. 9W113. Fitted with 15 Jewel Elgin Movement. Each.... 18.00

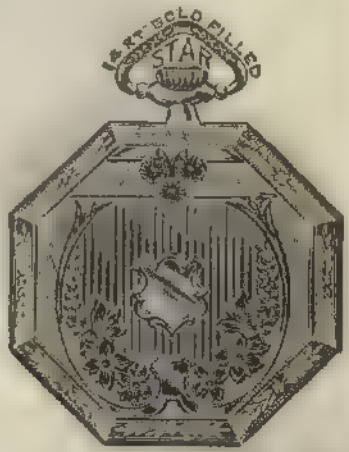
No. 9W114. Fitted with 1. Jewel Elgin Movement. Each... 19.95

12 size Cushion 14 kt. White Gold filled 25 year fancy engraved, latest model case.

No. 9W115. Fitted with 7 Jewel Elgin Movement. Each.... 16.45

No. 9W116. Fitted with 15 Jewel Elgin Movement. Each.... 19.65

No. 9W117. Fitted with 17 Jewel Elgin Movement. Each.... 21.60



12 size Octagon 14 kt. White Gold filled 25 year fancy engraved latest model case.

No. 9W118. Fitted with 7 Jewel Elgin Movement. Each.... 16.45

No. 9W119. Fitted with 15 Jewel Elgin Movement. Each.... 19.65

No. 9W120. Fitted with 17 Jewel Elgin Movement. Each.... 21.60

ELGIN AND WALTHAM, LADIES' AND GENT'S WRIST WATCHES, STRAP AND RIBBON

PRACTICAL FOR BUSINESS AND SPORT

Men's Rectangular Strap Watch
6/0 Size, Waltham or Elgin 14K White or Green Gold Filled 15 Jewel movement, Luminous Dial.
W2040. Complete $60.00
W2041. Same with 7 J. movt. 48.20

6/0 Size, Fancy Tonneau
6/0 Size Waltham or Elgin, 14K filled white or green gold, plain bezel, 15 jewel movement
W2042. Complete .. $60.00
W2043. Same but 7 jewel 48.20
W2044. 15 jewel Engraved Bezel 61.50
W2045. 7 jewel Engraved Bezel 49.70

Men's Square Strap Watch, 6/0 Size, Waltham or Elgin, 14K White or Green Gold Filled, Luminous Dial
W2046. Complete $60.00
W2047. Same with 7 J. movt 48.20

Men's Diamond Tonneau Strap Watch, 3/0 Size Waltham or Elgin, 14K White or Green Gold Filled, 15 jewel movement, Luminous Dial
W2048. Complete $51.00
W2049. Same with 7 jewel movement 43.00

Men's Barrel Strap Watch, Formed Glass, 3/0 Size, 14K White or Green Gold Filled, Luminous Dial—15 jewel
W2050. Complete $48.00
W2051. Same with 7 J. movement 40.00
W2052. 7 jewel, Luminous Dial 30.00
Nickel Case

Fancy Tonneau
Men's Diamond Tonneau Strap Watch, 3/0 Size, Waltham or Elgin 14K White or Green Gold Filled, 15 jewel movement, Luminous Dial
W2053. Complete $51.00
W2054. Same with 7 jewel movement 43.00

Men's Cushion Strap Watch, Round Glass, 3/0 Size, Waltham or Elgin, 14K Filled White or Green Gold Filled, 15 Jewel Luminous Dial
W2055. Complete $47.00
W2056. Same with 7 jewel movt. 39.00
W2057. Same but Nickel Case 15 jewel movement 30.00
W2058. Same with Nickel Case 7 jewel movement 28.00

W2059.

W2061.

Ladies' Sport Watch
Cushion Form, Ladies' Sport, 10/0 Size 15-jewel 14K White Gold Filled
W2059. Plain Bezel $54.00
W2060. Same but 7 jewel $35.00
W2061. Same as W2059 but in Tonneau Form $54.00
W2062. Same as W2061 but 7 jewel $35.00
Engraved Bezel—$1.50 List Extra

Illustrations Actual Size

W2063. 6/0 Size, 15-jewel Elgin, 14K Solid White Gold Cushion Form Engraved bezel Complete $54.50

W2064. Same with 7-jewel Elgin movement. Complete $42.70

W2065. 6/0 Size, 15-jewe. Elgin, 14K White Gold Filled Complete $47.00

W2066. Same with 7-jewel Elgin. Complete $35.40

See Index for extra Straps and bracelets.

W2069. 6/0 Size 15-jewel Elgin, 14K Solid White Gold, Tonneau Form, Engraved bezel Complete $54.50

W2070. Same with 7-jewel Elgin movement Complete $42.70

W2071. 6/0 Size, 15-jewel Elgin 14K White Gold Filled Complete $47.00

W2072. Same with 7-jewel Elgin movement Complete $35.40

SOMETHING NEW IN RADIO

The 627T

Six tube set, handsome in appearance and ample in operation. Designed to bring in distant stations clearly and naturally. The number 627T is the outstanding leader in sets of its class. The coils are of the low loss type. Push-pull amplification is used, whereby perfect reproduction is obtained. The modified straight line frequency condensers are also used and controlled by vernier dials. Reading shows through beautifully designed windows on panel. By this method a finer tuning is obtained. All wiring is done underneath a sub-panel, and very few wires are visible. Patented double sockets are used to assure perfect contact. The panel is of beautiful walnut finish. **$150.00**

RA9001A. Set only.

The 430 Console

BABY GRAND CONSOLE 430

Height—46"
Width—33"
Depth—30"

Panel Dimensions
Height—8½"
Depth—10"
Length—14" to 30"

5-Ply Walnut top. Butt walnut ends beautifully finished. Butt walnut lid inlaid with beautifully selected moulding. Solid walnut legs handsomely carved. The console contains the Echo speaker 14 wide with a 25" throat made of a combination of woods producing a wonderful tone quality. There is ample room in cabinet to accommodate all batteries or eliminators.

This console is a work of art and has been most favorably received by those who have had the privilege of seeing and examining it.

It is built to accommodate either the Elkay or the No. 627.

RA9002. Console only..... **$255.00**

The 428 CONSOLE

Height	44"
Width	30"
Depth	16"
Panel Dimensions	7x26"

Tone Chamber, 14" wide. Has beautiful scroll work to harmonize with the general construction of the cabinet. Finished in walnut or mahogany with hand-rubbed lacquer, two-tone or plain, with gold stripes. Will house a radio set 26" long. Accommodates batteries and eliminator. Full piano hinge on top and fall. The Elkay or the #627T may be had in this Console.

RA9002A. Console only..... **$92.20**

The 428 Console

The 527T

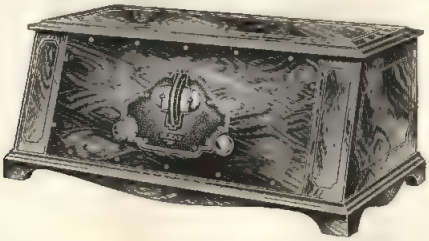
The No. 527T

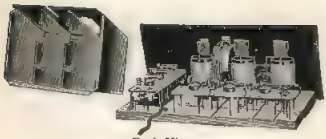
Five tube tuned radio frequency set. It is designed particularly for simplicity of operation and satisfactory reception. It has two dials vernier controlled and the same in panel design as model No. 627T. Automatic resistances are used with one rheostat for filament control. Coils are mounted underneath a sub-panel. Patented U X double socket contacts are used. **$105.00**

RA9003. Set only .....

See Page 548 for Accessories for these Sets

THE ELKAY TRU-PHONIC





Back View

THE Elkay synchronized automatic Tru-Phonic 6 tube receiving set is one of the most up-to-date receivers on the market today. It is completely shielded to prevent interstage coupling or electromagnetic pick-up which often causes great trouble in the congested area and greatly impairs selectivity.

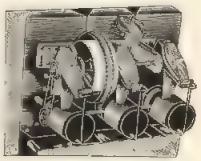
The Elkay radio frequency circuit is the result of untiring research and makes use of several important patents, granted and pending. One of the most interesting developments in radio is the better and special tubes. Before this season is over there will be special tubes used for certain purposes such as Radio Frequency, Detector, Audio, and Output tubes. The Elkay will not become obsolete due to this fact, in as much as the only change necessary to accommodate these tubes will be to remove the Elkay fixed resistance now in the set and replace it with the latest type designed to accommodate that particular tube. The operation requires but 30 seconds time. It is a fact and is recognized by all engineers that a set is at its highest efficiency when it is just below the point of oscillation. The Elkay incorporates a variable primary patented by Lord, U.S.A. patent No. 1571900, which rotates automatically and keeps the set just below oscillation over the entire wave band of 200 to 550 meters. It cannot be made to squeal.

Donle Tru-Phonic system of amplification is used and assures perfect reproduction without loss of amplification.

The Elkay may be used as a single, double or triple dial control all in one. Cabinet is of solid antique mahogany and is beautifully finished.

RA9001. Complete as described.....$198.50

This set may be had cased in Baby Grand Console 430 as illustrated on Page 546, No. RA9002.



Control View

"BUFFALO TOYS"—New and Improved!

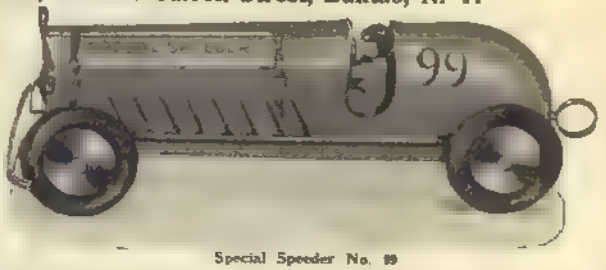
Mechanical toys that are a little different, a little better, with a little more appeal than the average. If you haven't seen this snappy 1927 line, write at once for new catalog and prices.

MANUFACTURED BY

BUFFALO TOY & TOOL WORKS, 16-18-20 Carroll Street, Buffalo, N. Y.

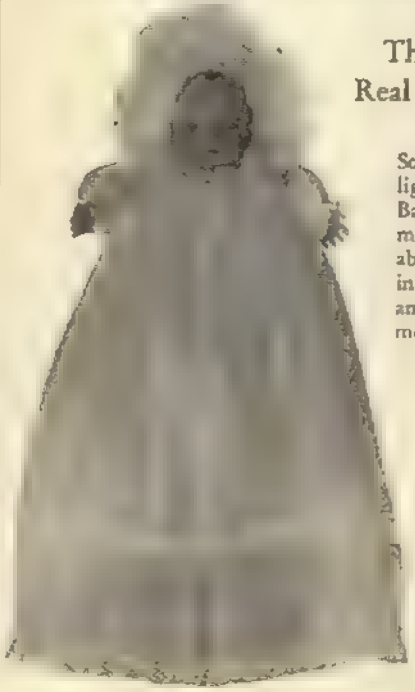
See-Saw No. 57

Aero-Speeder No. 51



Special Speeder No. 99

"BABY DAHNE"



The Baby's Real Baby Doll

Soft, cuddly, and light as a feather, Baby DAHNE is making an enviable sales record in Toy, Infant and Gift Departments.

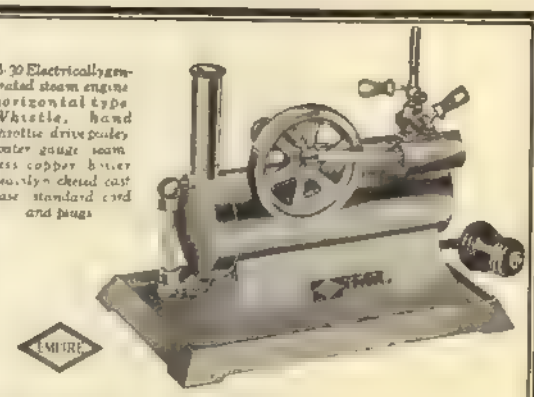
Send for a sample and she'll speak for herself.

Dressed by
BLANCHE ROWE CROMIEN

Sole Distributors

HOEST & HENDERSON

41 EAST 17TH ST. NEW YORK CITY



B-30 Electrically-generated steam engine horizontal type. Whistle, hand throttle drive pulley, water gauge, seamless copper boiler, heavily cheted cast base, standard cord and plugs

EMPIRE

Big Demand for This Engine

WE could not keep up with orders on this Horizontal Electric Steam Engine last year. Beautifully finished, mechanically right, perfectly safe, has immediate appeal to the boys. 4 other models give you a full line and price range. Early orders advisable.

METAL WARE CORPORATION
Sales Office: 111 W. Washington Street, Chicago
Factory: Two Rivers, Wisconsin

EMPIRE

BUTLER DOLL STANDS

Nowadays, attractive display is THE thing in Doll Merchandising. Don't let your Doll Displays suffer from lack of stands. Keep plenty of BUTLER STANDS, with their EXCLUSIVE MECHANICAL SUPERIORITIES, on hand at all times, change your displays frequently, and you'll sell *more* dolls.

ORDER FROM YOUR JOBBER

BUTLER DOLL STAND CO.
Dept. H.
208 So. East Avenue
OAK PARK, ILL.

Courtesy of T. W. Foster & Bro. *133 Seven Four Color Process Plates*

THE PERSUASIVE POWER OF COLOR

The difference in Selling Power between this illustration and the one on the preceding page is apparent at a glance. The use of color illustrations releases vast sums tied up in salesmen's samples, covers a greater field and increases sales.

Engraved by C. J. Peters & Son Company, Cambridge, Mass.

PEERLESS ELECTRIC FANS

CEILING FANS

Designed to Give a Wide Sweep Which Will Keep the Air in Constant Motion. For Use Wherever a Large Fan is Needed. Four Blades of Polished Mahogany. Furnished with Hook, Hanger and Canopy. Size 52 Inches, 110 Volt, 60 Cycle.

Each

No. 260286 ....

OSCILLATING FANS

This Type Distributes the Air Over a Wide Area. Moves from Side to Side. Can be used as Desk or Bracket Fan. Four Polished Brass Blades, Lacquered. Baked on Black Enamel Cast Iron Guard. Base and Base 110 Volt, 60 Cycle Three Speeds

Each

No. 260530—10 In .....
No. 260525—12 In
No. 260526—16 In .....

One in a carton. Ten in a case.

NON-OSCILLATING

Four Highly Polished Lacquered Brass Blades. Base and Other Parts Finished in Baked-On Enamel Enclosing Shell and Base. 110 Volt, 60 Cycle. 3 Inch, One Speed, others Three Speeds.

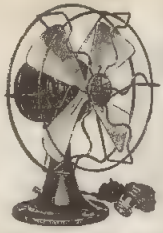
Each

No. 260410 8 In
No. 260416 –12 In
No. 260816 –16 In

One in a carton Ten in a case.

ESKIMO ELECTRIC FANS

Non-Oscillating



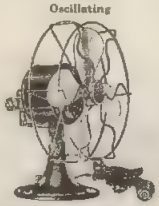
Full 8 inch Bronze Blades. Off and On Switch Mounted on Motor Base. Self Aligning Bearings and Swivel Joint. Will Not Creep. Operates on 110 Volts A. C. or D. C. Current.

Each

No. 10—Retails $5.50 ..... **$**

One fan in a box. Weight 6 lbs.

Oscillating



Non-Creep Oscillating Device. Pull Chain Switch in Heavy Cast Base. Self Aligning Bearings. Swivel Joint Adjustable to Any Angle. Operates on 110-Volt A. C. or D. C. Current.

Each

No. 20 Retails $, Net **$**

Shipping Weight, Each about 7 Lbs.

SEDAN FAN

Keeps a Stream of Air Circulating Through the Car. Operates on Battery, Using Small Amount of Current.

Can Be Located Anywhere in the Car Equipped with a Separable Clamp—Switch that May be Installed without Boring Holes

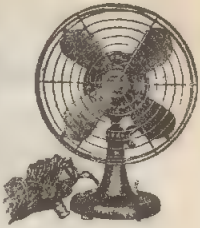
Finished in Olive Green Lacquer Enamel. Easy to Install. Double Swivel Joint Allows Fan to be Set at Any Angle. Superior Oiling System. Noiseless Motor

Each

No. 660—6 Volt, 2 Amp. .
No. 661—12 Volt, 1 Amp. . ...

Shipping Weight, Each about 4½ Lbs.

OUTING FAN
KNAPP



Easy to Put in Place. Useful Inside or Outside the Car. Built to Stand Hard Knocks.

Finished in Lacquer Enamel. Unaffected by Moisture, Dust or Perspiration. Double Swivel Joint Allows Swinging in Any Direction. Equipped with Special Protective Guard.

Also Equipped with 20 Feet of Cord and Adapter Suitable for Plugging into Headlight or Daylight Socket.

Each

No. 670—6 Volts, 2 Amps... ...
No. 671—12 Volts, 1 Amp.... ..

HANDY FAN
Knapp

All Parts Copper Plated or Lacquered. Only Enameled Wires Used. Has Universal Field Coils and Noiseless Motor.

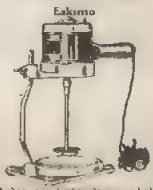
Finished in Olive Green Lacquer Enamel. Unaffected by Moisture, Dust, Perspiration and Hard Knocks. Equipped with Handy On-and-Off Switch in Base, 8 Inch Blades. Six Feet of Cord and Separable Attachment Plug.

Each

No. 685 –110 Volts Universal A.C.-D.C

ELECTRIC KITCHEN MECHANIC

Eskimo



A New Electric Device Ideal for Mixing Drinks, Making Cocktails and Dressings, Whipping Cream, Eggs, Beating Eggs, Frosting Cakes, and Many Other Uses with Several Attachments. Complete with Adjustable Stand and 7 Feet of Cord, Toggle Switch and Two-Piece Plug

Each

No. 200—Retails $7.00 **$4.90**

One in a box

DOMANCO ELECTRIC IRONS

Heating Element of Special Alloy Resistance Wire.. Comfortable and Cool Rubberoid Handle. Polished Face. Six-Foot Flexible Cord Protected at Iron by Nickeled Spring and with Screw Lamp Socket at Other End. Nickel-plated Stand.

No. 4—Retails.... ..$5.00 Each
Less than 5 .....Each
5 or more .....Each

One only in a carton. Five in a case. Weight of Iron, 6 Pounds. Weight packed, 8 Pounds.

ELECTRIC HEATING PADS

Security

Element [illegible] Grade Fabric Pad, 9x1[illegible] Inner Slip Cover, 6 Foot Brown Slip Cord, Wall Control and Throughout. Size 12 x 16 Ins., 3 Heats Low, Medium and High. One Year Guarantee. Wattage 60

1 to 11 Each — 12 or more Each

No. 43 ..

One in a Display Box, Weight 1 lb.

No. 2 8 Same as No. 43 Except has One Heat. Wattage 50

1 to 11 Each — 12 or more Each

No. 218

One in a Display Box; Weight 1 lb.

SIMPLEX

A Light, Soft Wool Electric Blanket Over Special Heating Element. Size 72 x 72 Inches. Three Heats, Governed by Switch Giving Exact Heat at Desired Temperature. 100-125 Volts 200-250 Voltages 50 Watts. With Insulated Cord Switch and Plug. Also Water Repellent Slip Cover.

List, Each

No. 685 $7.50

[illegible] in a Carton, [illegible] Dozen in shipping [illegible] Weight 25 Lbs

UNIVERSAL ELECTRIC HEATING PADS

Gray eiderdown cover. Size 12x16 ins. 10 ft. cord and plug. 3-Heat Cord Switch Maintains heat any desired temperature.

Each

No. 8940—.....

One in a cardboard box. Weight 2¼ lbs.

Brown Elderdown Cover, Soft and Flexible Switch Control in Cord. Thermostat Regulates Heat at Even Temperature. Complete with Cord and Attachment Plug.

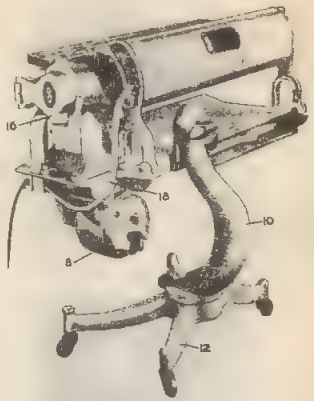
No. 53194— Per Dozen

Size 12x16 Inches. 60 Watts with 10 Foot Cord. Weight 2¼ Lbs.

No. 51984— Size 8½x11½ Inches. 44 Watts with 8 Foot Cord

Weight 1¼ Lbs

APEX ELECTRIC IRONER



All Electric—One Wall Socket Furnishes Heat and Power. Individual Switches for Motor and Heating Shoe, Consumes 10 Amperes on 110 Volts, No More than a Hand Iron and the Ironer will do the Work Three Times as Fast.

Heavy Cast Base Insures Solid Setting and Prevents Tipping. The Space Under Ironer Permits Ample Leg Room for Operator Space is Free from All Mechanism, Brackets, etc.

One of the Features of this Ironer is that the Roll Closes in on the Shoe Aligning Itself Against the Shoe Automatically and Maintains the Correct Pressure Instead of the Shoe Bearing Against a Rigid, Non-Adjustable Roll. The Ironing Roll is Made of Cold Drawn Steel Electrically Welded, and Treated with a Rust-proof Black Enamel. The Roll is Heavily Padded and the Padding Consists of Four Thicknesses of ¼ Inch Knitted Cotton. Over this Padding is a Muslin Cover which is Hemmed and Tied Down at Both Ends. The Heavy Padding Absorbs Moisture and Dries and Irons the Clothes More Quickly and Brings Out the Patterns Most Beautifully.

The Full Floating Open End Receives the Greatest Portion of Heat as this is the End Where Most of the Work is Done. The Folding Feature Makes it Convenient to Place Ironer in Closet or an Out of the Way Corner. Ironer Open Occupies a Floor Space 18 x 54 Inches; Folded Occupies Only an 18 Inch Square of Floor.

Has Swinging Clothes Rack and Extension End Tray. Shoe Release Allows Room for Cleaning Shoe or Recovering Roll. Roll Affords 150 Sq. In. of Ironing Surface and Maintains a Speed of 11 Feet Per Minute. Amount of Stretch Cut to One Quarter.

List Each

No. 160 . ..... $160.00

One in a Crate, Size, 22 x 16¾ x 35½ Inches. Weight Crated 271 Lbs

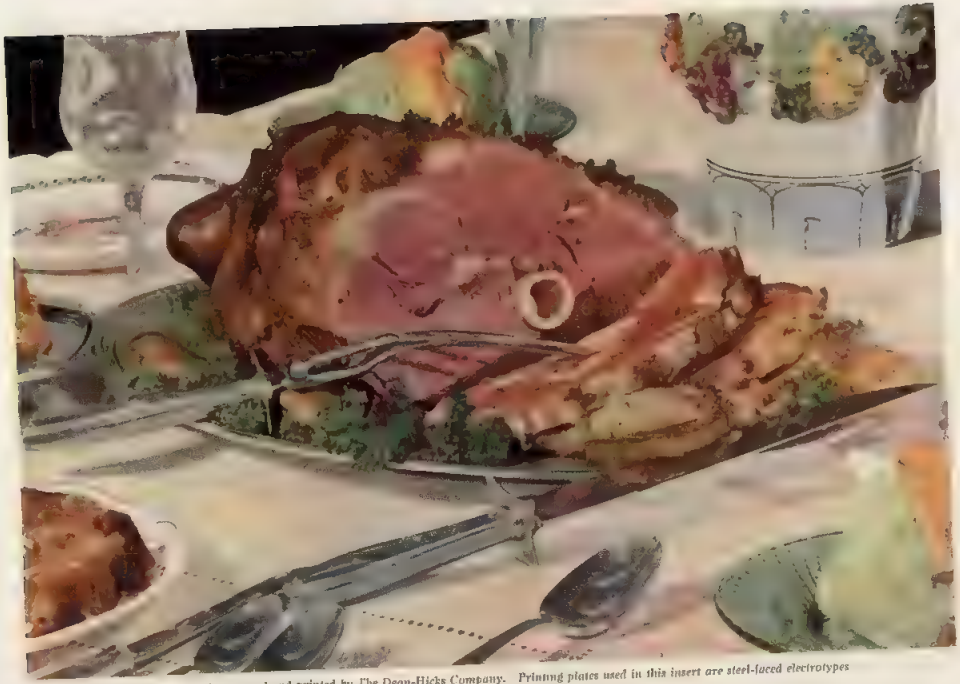
Courtesy of Everett Piano Company

COLOR PROCESS PLATES BY THE DIRECT METHOD

Absolute accuracy of perspective, of depth, and of detail are retained in the advertising illustrations shown on this and the three following pages. These pictures give much the same sensation you used to get in looking at stereoscopic pictures through a double lens, that is, you see not only the two dimensions of a flat picture, but you experience the feeling of the third dimension—depth.

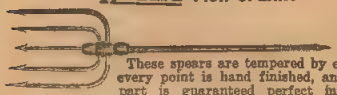
The presence of this depth of picture is obtained by making color negatives of settings exactly as you see them. The process is entirely photographic. The camera, by the use of filters, records onto separate glass plates the color values of each of the primary colors of the original groupings. These photographic negatives serve in place of the usual oil painting or wash drawing, heretofore used in making four-color plates.

This insert of four pages, designed, photographed, engraved and printed by
The Dean-Hicks Company of Grand Rapids, Michigan.



Photographed, engraved and printed by The Dean-Hicks Company. Printing plates used in this insert are steel-faced electrotypes furnished by the Grand Rapids Electrotype Company.

Hibbard FISH SPEARS



These spears are tempered by experts, every point is hand finished, and every part is guaranteed perfect in finish, workmanship and material.

A light spear, combining grace of lines with strength and unexcelled spearing qualities.

No. C27 Hibbard—Special crucible steel, hand forged, 5 prongs, entire length 15 in., length of needle tine 4 in., aluminum shank with threads, brass ferrule, per dozen $22.20

These spears are tempered by experts, every point is hand finished, and every part is guaranteed perfect in finish, workmanship and material.

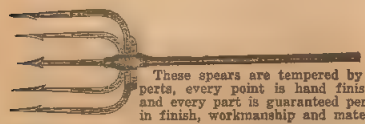
A very handsome spear, perfectly balanced and beautifully finished.

No. C22 Hibbard—Medium size, special crucible steel, hand forged, 5 prongs, entire length 15 in., width 4½ in., length of needle point tine 4 in., aluminum finish shank with threads, brass ferrule.....per dozen $33.35

These spears are tempered by experts, every point is hand finished, and every part is guaranteed perfect in finish, workmanship and material.

An especially strong spear of medium weight. The aluminum shank, brass ferrule and polished tines making it very attractive.

No. C23 Hibbard—Medium size, special crucible steel, hand forged, 5 prongs, entire length 16 in., width 4½ in., length of needle point tine 4 in., aluminum finish shank with socket, tines polished, brass ferrule.per doz. $36.00

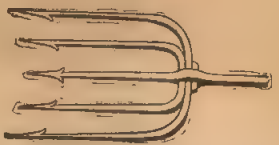


These spears are tempered by experts, every point is hand finished, and every part is guaranteed perfect in finish, workmanship and material.

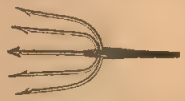
This is a large, strong spear, designed especially for spearing pike, muskallnge and other big fish. The removable key permits replacing prong as desired.

No. C25 Hibbard—Special crucible steel, hand forged, 5 prongs, entire length 17 in., width 5 in., length of needle point tine 5 in., aluminum finish with key for replacing prong, brass ferrule.....per dozen $36.00

FISH SPEARS



No. C1—Fairbanks hand-made fish spears, for holding qualities cannot be excelled. 5 tines. (Can be made into a three tine spear, if desired, by removing outside tines and putting in larger wedge.) Made of "black diamond" tool steel, barbs forged on solid tine, hammer pointed. Width about 4½ in., length of tines about 6 in., length over all 21 in., w't about 1 lb.....per dozen $53.30



No. C3—Tanged, steel, 5 prongs, 4 in., w't per doz. 8 lbs., per dozen $8.90

No. C10—Socket, malleable iron, 3 prongs, 3½ in., w't per doz. 3 lbs.....per dozen $8.00

Socket, 5 Prongs.

No. C200—Malleable iron, 4 in., w't per doz. 3½ lbs., per dozen $8.90

No. C4—Steel, 4½ in., w't per doz. 6 lbs.per dozen $11.65

No. C5—Steel, 5 in., w't per doz. 9 lbs.per dozen 14.10

FROG SPEARS

No. C11

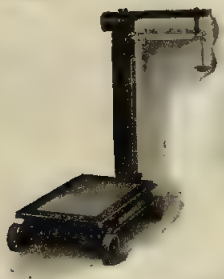
Japanned Socket Spear, substantial steel socket with tempered steel prongs pointed and secured to the socket in a manner that will prevent their becoming loose or coming out.

No. C11—With **three prongs**.....per dozen $2.65
No. C2—With **four prongs**.....per dozen 3.45

ONE DOZEN IN A BOX

PORTABLE PLATFORM SCALES

FAIRBANKS



The design and construction of the Fairbanks Portable Platform Scale embodies every feature called for in the specifications and requirements of all government regulations referring to weights and measures.

The beam used on this scale is of heavy polished brass with clear-cut graduations, and large plain figures. In form, it is of the well-known Fairbanks straight line, arrow-tip pattern.

The poise is of the center indicating type, having a prominent indicator at the lower center of the opening which points directly at the well-defined graduations on the beam. The opening in the poise has beveled sides so that no shadows are cast upon the graduations. The counterpoise and weights are "Parkerized" to prevent rust.

All platform bearings are of special hardened steel, finely tempered and arranged to be easily renewed. The bearing pivots are similarly formed from specially treated steel, combining a knife-edge of diamond-like hardness with a body of tough fibrous steel that gives the entire pivot the great strength required for continued accuracy and durability. The levers themselves, the frame, in fact, every piece of metal used, is selected and treated with similar care.

The painting and ornamenting of these scales is given the greatest care to produce a handsome, lasting finish that in every way conforms to the high quality of the other features. The iron work is given substantial coats of black paint, ornamented with bronze and well varnished. All wood work is given a thorough filling coat, several covering coats of blue, striped in bronze and well varnished. The wood platform panel is painted gray.

No.	Capacity Pounds	Beam Graduated	Size of Platform Inches	Each
1128	500	50 lbs. x ¼ lbs.	16x25	$33.00
1124	1000	100 lbs. x ½ lbs.	18x27	43.00

Note: In the platform sizes above, the first figure is the dimension parallel with the beam.

One in a Case

SCALE BEAMS

Tested by Sealed Weights

Forged steel; black japanned, gold striped, white figures and markings. Complete with two cast iron black japanned poises.

No.	200	300	400	600
Capacity, Lbs.	200	300	400	600
With Poises, Lbs.	1 and 4	2 and 8	3 and 12	8 and 16
Length Overall, Inches	36	41½	47	56
Weight Per Case, Lbs.	60	120	155	220
Complete ..... Each,	3.00	5.00	6.00	8.00

No 200 to 400 Six in a Case, with Poises; No. 600 Six in a Case. Poises Separate

EXTRA POISES FOR SCALE BEAMS

Cast iron, black japanned.

Weight, Pounds	1	2	3	4	8	12	16
Each	$0.50	.55	.70	.80	1.50	1.95	2.70

Loose, Not Packed

STEEL YARDS

HART'S PATTERN

Tested by Sealed Weights

Balanced heads and stops. Heads and poises painted red. Polished and nicely matched bars. Polished malleable iron hooks.

No.	50	150	200	300
Capacity, Lbs.	50	150	200	300
Graduated by, Ounces	1	4	4	4
Length Overall, Inches	19	22	24	26
Weight Per Dozen, Lbs.	40	64	90	110
Per Dozen	$16.00	21.50	27.00	38.00

One-Half Dozen in a Case, Complete with Poise

EXTRA WEIGHTS FOR PORTABLE PLATFORM SCALES

Cast iron, japanned. With slot.

Size	50 lb.	100 lb.	200 lb.
No. 6 Each	$0.40	1.00	1.20

Loose, Not Packed

STERLING SILVER PIECES FOR THE TEA TABLE

Fancy heavy Tea Ball with chain and ring. Actual size.
H5341. Each..... **$9.00**

Tea Ball with Ring and Chain. Actual size
H5344. Each **$4.50**

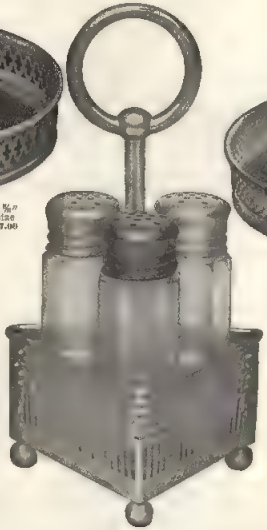
Engraved handle, plain bottom Table Call Bell. Actual size
H5342. Each **$11.00**

Top shape fancy Tea Ball with ring and chain. Actual size
H5348. Each **$5.00**

Tea Ball with ring and chain. Actual size.
H5345. Each. **$4.50**

Star cut crystal bottom Coaster, ⅝" high, pierced, 3" diameter. Actual size
H5340. Per Dozen..... **$27.00**

Star cut crystal bottom Coaster, ⅝" high, pierced, 3" diameter. Actual size.
H5347. Per Dozen..... **$27.00**



3 bottle Table Coaster, plain crystal bottles, sterling top and holder. Height 5½". Actual size.
H5349. Each **$16.00**

Hammered plain top table Call Bell, 2" high. Actual size.
H5348. Each..... **$6.00**

Plain table Call Bell, 2⅝" high. Actual size
H5350. Each..... **$6.00**

We Specialize in Diamond Jewelry. See Pages 2 to 40

Nifty Mechanical Toys

Well Known Comic Newspaper Characters

FRISKY FELIX

Frisky Felix. 7¾" long, 6¼" high. As the toy runs along Felix briskly chases the mouse. This is a very brightly colored toy with plenty of action. Each in Box.

No. 39N184. Per dozen.... **1.98**

"FELIX" ON SCOOTER

Felix on Scooter. 8" long, 6¼" high. This Felix is a runaway of fun and frolic. Wind it up and away it goes. Most realistic, and with plenty of action, Felix propels the scooter with his hands, bending backward and forward with each revolution of the wheels. Lithographed in eye-catching colors. Each in Box.

No. 39N45. Per dozen..... **3.92**

TOONERVILLE TROLLEY

The Rickety Toonerville Trolley, made famous by Fontaine Fox's cartoons, 6¾" high, no track needed. Makes a very humorous mechanical toy. It wobbles along in a comic and eccentric fashion. Lithographed in yellow and red eye-catching colors. Each in box

No. 39N186. Per dozen..... **[illegible]**

JIGGS AND MAGGIE

Jiggs and Maggie. 6½" high. These characters made popular by newspaper comics, make for each other frantically, while running and twisting all around. Each in box.

No. 39N189. Per dozen..... **3.92**

WALKING "FELIX"

Walking Felix. 6" high. Everyone knows "Felix"—The Popular Movie Cat. This funny fellow slightly stooped with his paws clasped behind his back, walks along dragging his tail behind him. Each in box.

No. 39N44. Per dozen..... **3.92**

FELIX MUSICAL MERRY GO ROUND

Felix Musical Merry Go Round. 7¼" high, base 5" in diameter. When this toy is in action a Felix Cat is busy turning the crank, which produces a very lively tune while the carousel merrily whirls around loaded with other Felix Cats on Airships, Autos, etc. Each in box.

No. 39N71. Per dozen..... **7.84**

FELIX FROLIC

Felix Frolic. 13¼" long, 5" wide, 11" high. A very humorous and eccentric toy in which the large Felix and two small ones energetically chase two mice. The large Felix's arms and legs move frantically in his effort to catch the mice. Each in box.

No. 39N185. Per dozen..... **8.00**

HI-WAY HENRY

Hi-way Henry. 8" high. An extremely funny toy reproduced from Oscar Hitt's newspaper comic strip. As it wobbles along its front rears up from time to time, then drops down and the car starts off again. The radiator cap quivers incessantly and the dog, parked in the radiator, bobs in and out. The clothes line aerial dangerously rocks from side to side with each jolt of the car as the fat old lady listens to the Radio. Each in box

No. 39N188. Per dozen..... **8.25**

Iron Automobiles, Trucks and Tractor

FORD COUPE

Ford Coupe, finished in glossy black enamel, white tires. An exact reproduction of the real Ford that you see on the street. A very popular item, made in two sizes.

No. 39N79. 5 inches long, 3 inches high. Per dozen..... 1.92

No. 39N96. 6½ inches long, 4 inches high. Each in carton. Per dozen..... 3.92

FORDOR SEDAN

Fordor Sedan, the latest addition to the Ford family, black enameled, striped with gold, tires are white enamel. Large size. Has removable iron driver that is not shown in illustration. Made in two sizes.

No. 39N85. 5 inches long, 2 inches high. Per dozen..... 1.92

No. 39N92. 6½ inches long, 4 inches high. Per dozen..... 3.92

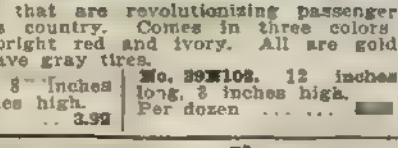
YELLOW CAB

Was 3.00. Now 2.00. Is the exact reproduction of the famous yellow cab. Made of cast steel throughout. Cab is enameled in bright yellow and black with white tires. Each in box. 1 dozen in case.

No. 39N50. Small, 5½x3x2 inches. Dozen..... 3.50

No. 39N87. Large, 7¾x4¼x3¾ inches. Dozen..... 6.00

PAGEOL SAFETY COACH

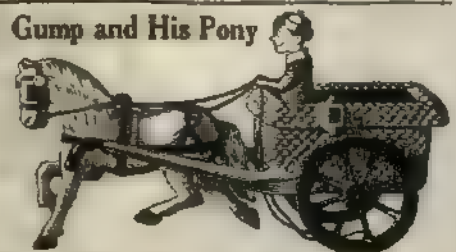


Pageol Safety Coach, made in two sizes. An attractive reproduction of the popular motor busses that are revolutionizing passenger travel in this country. Comes in three colors bright blue, bright red and ivory. All are gold striped and have gray tires.

No. 39N103. 8 inches long, 2¼ inches high. Per dozen..... 3.92

No. 39N108. 12 inches long, 3 inches high. Per dozen..... 7.92

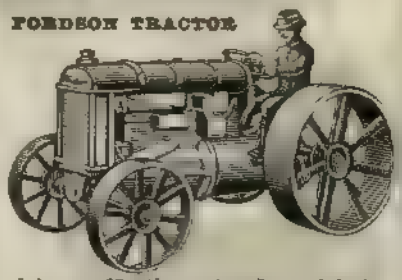
Chester Gump and His Pony



Iron Toy. Length 7¼ inches, height 4¼ inches. Perfect representation. To pull along floor. Each in box.

No. 39N4. Per dozen..... 9.00

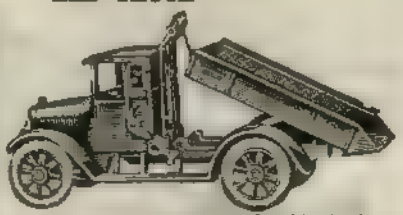
FORDSON TRACTOR



Fordson Tractor, the famous toy model of Fordson tractor. The front wheels and axles are mounted on a swivel that permits the tractor to follow an uneven path easily. Lugs on the rear wheels, removable iron driver. Neatly painted, a delight for a real American child. Wheels bright red, body gray with gold trimming. Length 6 inches, height 4⅛ inches, width 3¼ inches. Each in box.

No. 39N88. Per dozen..... 3.92

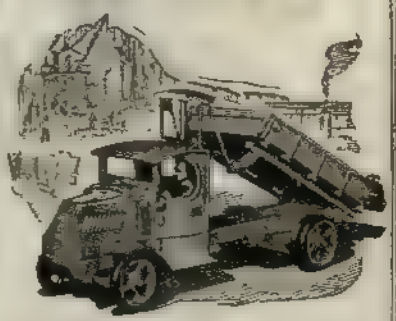
RED TRUCK



Red Truck. The miniature of the well known International Harvester Truck. Finished in bright red with white enameled tires, crank and ratchet, nickel plated. Length 10¾ inches, height 4⅛ inches; width 2½ inches. Each in paper carton.

No. 39N52. Per dozen..... 12.00

MACK TRUCK

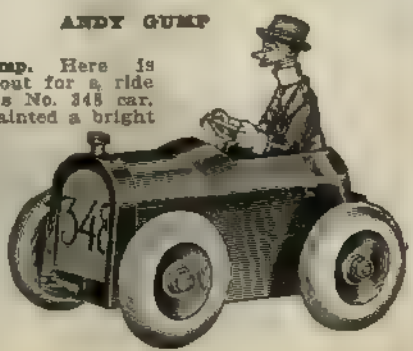


Mack Truck. Just like the real ones—made of cast iron with steel frame. Dump body is raised by hoist, rear end-gates open when unlocked. Comes in the following solid colors, light blue, gray and olive green, gold trimmed; white tires. Size 12x5⅝x4. Each in carton.

No. 39N53. Per dozen..... 20.00

Each..... 1.75

ANDY GUMP



Andy Gump. Here is Andy going out for a ride in his famous No. 348 car. The car is painted a bright red, nickel trimmed. Andy and wheels are full nickel plated. Length 7¼ all over; wheel base 4⅜ inches, height 6 in., width 4 in. Each in paper carton.

No. 39N59. Per dozen..... 9.60

Felix Cats and Canyon Kiddies

Felix, THE MOVIE CAT, created by the famous cartoonist Pat Sullivan is featured in every movie house in the country and also in the leading newspapers. These Felix Cats make a wonderful flash and are always in the top money. The Felix Cats as illustrated below come in three styles. Felix is made of light weight wood fibre composition with moving arms and large wavy chenille tail. Height 18 inches. Packed one in box.

Felix Nude

No. 41N23 Per Dozen 10.00

Felix with Bow

No. 41N24 Per Dozen 11.00

Felix with Silk Skirt

No. 41N48 Per Dozen 16.00

BOB CAT

Bob Cat, created by James Swinerton featured in magazines and newspaper comic sections throughout the country. They are nicely colored and have silk chenille tails that make it a very attractive item. Made of light weight wood fibre composition. Size 7x8½ inches. Each in box.

No. 41N70. Per dozen..... 8.00

CANYON KIDDIES

Canyon Kiddies. Another Creation of James Swinerton. Made of light weight wood fibre composition. Beautiful painted hair and features. Assorted silk ribbon headbands. Height 14 inches. Movable arms dressed in assorted colored sweater knit jacket costumes. When assorted as boys and girls. Each in box.

No. 41N68. Per dozen 15.00

Same as above but dressed in assorted colored velveteen jacket and all silk costumes; evenly assorted as boys and girls. Each in box.

No. 41N69. Per dozen.. . 18.00

HULA DOLL

Shimmying, Shaking, Shivering, she stands in your booth and draws the crowd. A simple mechanism with extra fine key-wind clock spring motor enables this little lady to give a most amazing demonstration of the famous Hula Hula dance. About 16 inches high. Wig, long silk fringed skirt. Each in box. Six dozen in case.

No. 34N42. Per dozen..... 17.50

Low Priced Carnival Dolls

SHEBA DOLL

A Real live item for the carnival trade. Composition doll with bright color effect decoration. Flapper curls of hair, on forehead and over ears. Comes with ostrich feather plumes in assorted colors. Doll with plume is about 20 inches high. Packed 50 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrels 110 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N2.
Per barrel (50 dolls)..... 20.00

THESE Dolls are carefully packed in barrels, and are in perfect condition when shipped. We are not responsible for breakage in transit.

CHINESE DOLLS

Two beautiful dolls in attractive Oriental colored costumes. One doll holds fan in hands, while the other holds small bowl. These dolls are sure to catch the eye of the passer-by and offer a quick turn-over for any booth operator. A Shure-Winner at a very low cost. Dolls measure 13½ inches high, and are made of a plaster composition. Packed 48 dolls assorted in barrel. Weight of barrel 130 lbs. Sold in barrel lots only.

No. 34N1.
Per barrel (48 dolls)... 14.40

BASHFUL BABY

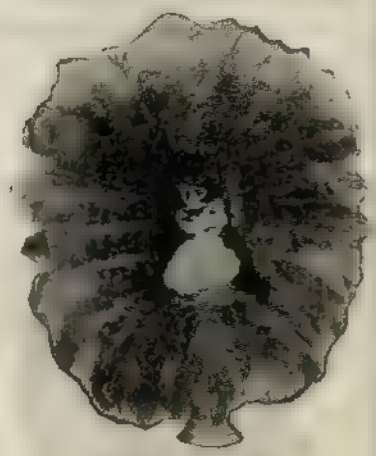
A good low priced number is the bashful baby doll. Composition construction. Graceful pose with hands against cheek. Long wavy hair with tinsel bandeaux. Lifelike features. Ostrich plumes in assorted colors with tinsel decorations. Doll with plumes about 20 inches high. Packed 50 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrel 85 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N3.
Per barrel (50 dolls)..... 20.00

CALIFORNIA DOLL

At the low price quoted, this doll is without question the best value on the market for the money. Made of plaster composition with full body finished in flesh tints. Arms are movable and can be put in any position. Beautiful long, wavy hair with head band of sparkling tinsel. Extra quality paper decorated with tinsel. Height of doll with plume 24 inches. Packed 50 dolls in barrel. Plumes for dolls packed in separate corrugated carton. Weight of barrel 100 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N4. Per barrel (50 dolls)..... 25.00



RITA DOLL

Big flashy show doll, about 30 inches high. The kind that draws the crowds. A real attractive number. Composition construction, posed with hands resting under chin. Long hair, marcel waved, with handsome head band of sparkling tinsel. Large wavy ostrich plumes, decorated in bright colors. Packed 20 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrel 120 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

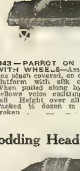
No. 34N5. Per barrel (20 dolls)..... 19.00

Stick Toy Parrot

Per Ioz.

N73990—STICK TOY PARROT. With bellows and ring cloth covered Parrot in green and yellow, cloth covered, ring in assorted colors with wood handle and whistle. When handle is moved forward and backward the bellows sounds. Length over all 13¼ inches. Packed one dozen in a box; not broken 4.00

Plush Parrot on Wheels



Per dz.

N74043—PARROT ON PLATFORM WITH WHEELS—Assorted colors, fine plush covered, on stick covered platform with silk chenille rim. When pushed along by string has bellows voice emitting a parrot call. Height over all 7½ inches. Packed ½ dozen to a box, not broken 18.00

Nodding Head Elephant

Per doz.

N73994—NODDING HEAD ELEPHANT—Paper mache with red enamel saddle, gilt paper trimmed. Height, 4 inches. Length, 7 inches. Packed ½ dozen in a box, not broken 4.00

N73995—NODDING HEAD ELEPHANT—Paper mache, with red enamel saddle, gilt paper trimmed. Height, 5 inches. Length, 8 inches. Packed ½ dozen in a box, not broken 8.00

Running Felix

Per doz.

N74013—FELIX MEOW CAT. This cat has the head of the famous Felix Cat, and the body is entirely covered with fell in black and white. Has a yellow ribbon around neck. When wound up runs along and cries "Meow." Length, 9 inches. Height, 5 inches.. 16.00

Mechanical Running Cat

Per doz.

N73909—MECHANICAL MEOW CAT —Covered with fell in assorted colors, gray, white and tan. Has glass eyes and a pink ribbon around its neck. When wound up runs along at a fair speed and emits a crying sound that is very natural. Length 8 inches. Height, 4 inches. Packed one in a box..... 16.00

Rolly Dolly Toys

Per doz.

N74337—ROLLY DOLLY TOYS — Beautiful artistic designs, decorated and finished in brilliant colors. Assorted four different characters. Height, 2¾ inches. Packed ½ dozen in a box, not broken 4.00

Per doz.

N74339—ROLLY DOLLY TOYS— Beautiful artistic designs decorated and finished in brilliant colors. Assorted four different characters. Height, 3 inches. Packed ½ dozen in a box, not broken..... 8.00

Per doz.

N74339—ROLLY DOLLY TOYS — Same as N74338, assorted four different characters, 10½ inches and 11½ inches high..... 16.00

Roly Poly Clown

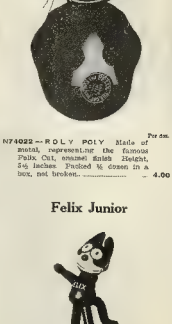
Per doz.

N74023—ROLY POLY—Clown design cloth covered in assorted bright colors of green, red and yellow. Moving arms and musical chime. Height 8 inches. Packed ½ dozen in a box, not broken 13.00

N74024—ROLY POLY—A Pierrot dressed clown with red clothes with black trimming. Height, 8 inches. Packed ½ dozen in a box, not broken 18.00

N74025—The same as N74024 excepting as gilt, 12 inches, and packed one in box..... 30.00

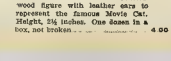
Felix the Movie Cat



Per doz.

N74022—ROLY POLY Made of metal, representing the famous Felix Cat, enamel finish. Height, 5½ inches. Packed ½ dozen in a box, not broken..... 4.00

Felix Junior



Per doz.

N74073—FELIX JUNIOR. Jointed wood figure with leather ears to represent the famous Movie Cat. Height, 2¼ inches. One dozen in a box, not broken..... 4.00

Felix Jigger

Per doz.

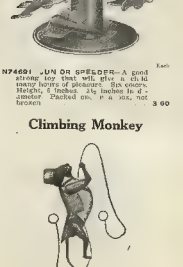
N74074—FELIX JIGGER—Felix is fastened to a wooden rod and by moving a lever up and down gives him the appearance of running. Finished in natural colors. Length 11 inches 8.00

Pool Table

Each

N74048—LITTLE GIANT POOL TABLE—Made of heavy gauge metal, lithographed in mahogany color, covered with real green Bakard cloth. Includes 15 Glass Marbles, 2 Cues and 1 Triangle. Complete. Length 19¾ inches. Width 11¾ inches. Height 4 inches. Packed one in carton; not broken..... 2.00

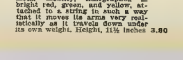
Junior Speeder



Each

N74691—JUNIOR SPEEDER—A good strong toy that will give a child many hours of pleasure. Length, 17 inches. Height, 9 inches. Width, 9 inches. Packed one. Not in box; not broken 3.00

Climbing Monkey



Per doz.

N74681—CLIMBING MONKEY. A metal monkey, lithographed in bright red, green, and yellow, attached to a string in such a way that it moves its arms very realistically as it travels down under its own weight. Height, 11½ inches 3.80

Mechanical Toys

Roadster

Per doz.
N74369—CHRYSLER ROADSTER—Finished in rich nickeled radiator, bumper and spare tire. Size, 3x10x5¼ inches. Packed one in carton. 4.00

Mack Dump Truck

Per doz.
N74352—MACK DUMP TRUCK—With dumping feature. Size, 5¾x2¼x4 inches. Packed one in a box 4.30

Balky Mule

Per doz.
N74357 HEE-HAW BALKY MULE—Has a durable mechanism. Size, 10¾x3¾ inches. Packed one in a box 8.00

Snoopy Gus

Per doz.
N74369—SNOOPY GUS, THE FIREMAN—A new and novel idea in mechanical toys. Car travels back and forth on its friction axle and as it is in motion the fireman on the top of the ladder, which turns in every direction. Its unique action is sure to fascinate. Size, 8x3 inches. Packed one in a box 8.00

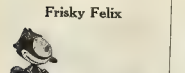
Mack Tanker

Per doz.
N74384—MACK TANKER—Same type tanker as used by gasoline companies, finished in shiny Mack truck design. Size, 8x2¾x4¼ inches. Packed one in a box 4.30

Charleston Trio

Per doz.
N74361 CHARLESTON TRIO—Cheerleader Charlie dancing with pet coal negro plays the fiddle and dog sits by. Size, 4¾x3¾x4 inches. Packed one in a box 3.00

Frisky Felix



Per doz.
N74150—NIFTY FRISKY FELIX—A mechanical toy made of metal. A copy of Pat Sullivan's comical cat. Platform is in green japan enamel with red disc wheels and gray tires. Felix is finished in black and white, mouse is finished in red and white. When in operation the car runs and Felix chases the mouse. Size, 6x3¾x4¼ inches. Packed 1 dozen in a box 4.00

Steam Shovel

Per doz.
N74356—STEAM SHOVEL—Will pick up a load and release it. Works on revolving base. Size, 10x4x5¾ inches. Packed one in a box 4.80

Felix Scooter

Per doz.
N73900—MECHANICAL FELIX SCOOTER—A copy of Pat Sullivan's comical cat. The cat is finished in black enamel the car yellow. Has a clever mechanism making a combination of attractive colors. When in operation the car runs in a circle and the cat moves up and down similar to the hand car motion. Size, 5x3¾ inches. Packed one in a box 8.00

Yellow Taxi

Per doz.
N74349 YELLOW CAB—Reproduction of the Ford type yellow taxi. Size, 7x3x5¼ inches. Packed one in a box 4.00

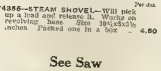
Mack Hauler Truck

Per doz.
N74350—MACK HAULER AND TRAILER—Consisting of sturdy heavy-duty Mack truck with large size trailer attached. Size, 12x3x4¾ inches. Packed one in a box 8.00

Walking Felix

Per doz.
N73901 -FELIX, THE MOVIE CAT—Made of tin in a slightly stooped position with his paws clasped behind his back, keeps on walking when pushed. Tail behind him. Lithographed in black and white like the original. Height, 7 inches. Width, 3 inches 8.00

See Saw



Per doz.
N74692—THE SEE SAW—Made of metal. Lithographed in six colors. Full of the crimped red and action legs. The see saw has a see one seated in the red of the cab, thing that teeter-teeters. Formed devices of attractive design. Length of the see-saw, 13¾ inches. Packed one in a box. 7.80

Comic Car

Per doz.
N74351—COMICAR—Ford type car, finished with many humorous sayings written all over the car. Size, 7x4¾x4¼ inches. Packed one in a box 4.30

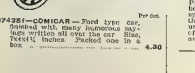
Funnigag Car

Per doz.
N74044—COMICAL FUNNIGAG CAR—Ford-style sedan body automobile in black finish with gay colored decorations. The front wheels can be regulated so that the car will either go straight, or in a circle. Height 4 inches. Length 6 inches. Packed one in a box 5.00

Black Bottom Felix

Per doz.
N74003—BLACK TOY FELIX CAT—Paper mache head, black cloth covered body with fringe colored necktie and paper hat. Tail is also openclad by pressing button moves from side to side imitating a comic dancing movement. Height, 8 inches. Packed one in a box 16.00

Royal Bus



Per doz.
N74352—ROYAL BUS—Finished in detail with lithography. Size, 9¼x2¾x3¾ inches. Packed one in a box 4.30

Loop-the-Loop

Per doz.
N74356—LOOP-THE-LOOP—Goes down the chute, loops the loop and glides to ground on another chute. Size, 27x12¼x8¾ inches. Packed one in a box 4.80

Mechanical Toys

Jiggs and Maggie

Per doz.

N73902—JIGGS AND MAGGIE—The popular newspaper comic characters are just friendly enemies. Jiggs with a cane and Maggie with a rolling pin. In the excitement of the fisticuffs, both heads are moving rapidly, while running and twisting all around. Lithographed in bright colors. Size, 5½x5 inches 8.00

Funny Flivver

Per doz.

N74388—FUNNY FLIVVER—An amusing fixed type car that travels in every direction, running to the right, left and suddenly backing up only to shoot forward in most unlikely manner. The driver's head of massive features and fancy looking driver keeps turning in different directions with a purposeful look on his face. There is a dog seated on the running board of the car. The car is very realistic and is marked with amusing sayings all over it. Size, 7x6x3½ inches 8.00

Toonerville Trolley

Per doz.

N73903—TOONERVILLE TROLLEY—A mechanical toy, a copy of the famous Fontaine Fox Trolley. Made of metal, painted in attractive colors. When in operation, it moves along doing its comical actions. Height, 3¾ inches. Length, 5 inches. Packed one in a carton..... 8.00

Walking Rickshaw

Per doz.

N73906—WALKING RIKSHA—A mechanical toy made of metal, painted in various colors. When in operation the man runs along while the lady nods her head and fans herself. Size, 7½x3½ inches. Packed one in a carton 8.00

Overland Bus

Per doz.

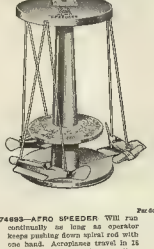
N74372—TOWN BUS—A very good replica of the busses that are becoming so popular throughout the country. Size 12¼x4¼x3¾ inches. Packed one in a carton 8.00

Hey-Hey Sambo

Per doz.

N74360—HEY-HEY—A most novel toy. Scared looking negro walking with chicken in hand and dog at seat of pants. Very amusing action 8.00

Aero Speeder



Per doz.

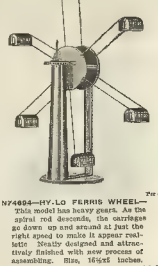
N74893—AERO SPEEDER Will run continually as long as operator keeps pushing down spiral rod with one hand. Aeroplanes travel in 15 inch circle, with spinning propellers emitting humming noise. Size, 10x5 inches. Six bright colors. Packed one in a box 14.40

Stutz Racer

Per doz.

N74382—STUTZ RACER—Mechanical vehicle. Fully sculpted with bumper, head lights, motometer, gas tank and Spooner bumpers. Size, 12x5½x3 inches. Packed one in a carton..... 9.00

Hy-Lo



Per doz.

N74894—HY-LO FERRIS WHEEL—This model has heavy gears. As the spiral rod descends, the carriages go down up and around at just the right speed to make it appear realistic. Neatly designed and attractively finished with new process of assembling. Size, 16½x8 inches. Packed one in a box 14.40

Nifty Bus

Per doz.

N74007—MECHANICAL NIFTY BUS—Copied from the ordinarily used stage bus automobiles. Painted in attractive colors and has a specially adapted mechanism so that when the bus is in operation it runs along for a short distance and then stops automatically. The conductor pulls a string that rings a bell and then it again starts. The same performance is repeated several times with each winding. Size, 10x3 inches. Packed each in a box 16.00

Main Street Trolley

Per doz.

N74008—MAIN STREET TROLLEY—This is one of the most startling achievements in mechanical toys. The trolley car runs along, stops, and the side doors open. Then the "On Ahead" bell signal sounds. The doors close, and the car starts off again. Lithographed in bright colors. Length, 5 inches. Height, 3¾ inches 18.00

Airplanes

Per doz.

N74376—AIRPLANE—Well constructed and lithographed airplane, with a movable propeller. Size, 8x7x2¾ inches. Packed one in a carton..... 4.80

Per doz.

N74371—AIRPLANE—Adjustable rudder and movable propeller. Size, 12¾x12¾x3 inches. Packed one in a carton 8.00

Twin Flyer

Per doz.

N74404—TWIN-FLIERS—Two giant Zeppelins suspended from revolving mast awaiting the pull of the cord to start them in their circular chase. Mixed metal construction. All parts highly lithographed in bright colors. Size, 14x12 inches. Packed one in a carton 16.00

E-Z-Go-Round

Per doz.

N74488—E-Z-GO-ROUND—With six brightly colored riders, ready for the pull of the cord to set them in circular motion. Metal base and metal canopy lithographed in carnival colors. Topped with flag and stars. Size 8½x7 inches. Packed one in a carton 16.00

PORCH AND CEILING FIXTURES

Consists of porcelain receptacle, holder with set screws, C. R. I. ball, complete with attaching screws, but without lamp.

Spun Brass—Brush Brass Finish

No.	Size Holder Inches	Outside Diameter Inches	Diam. of Ball Inches	Complete Each
16	3¼	6	6	$1.60
18	4	6	8	2.10

Copper-Black—Japanned Finish

26	3¼	6	6	$1.60
28	4	6	8	2.10

PORCH AND CEILING HOLDERS

Spun Brass—Brush Brass Finish

No.	Size of Holder Inches	Outside Diameter Inches	Depth Inches	Each
2711	2¼	6	2¼	$0.80

Spun Brass—Brush Brass Finish

No.	Size of Holder Inches	Outside Diameter Inches	Depth Inches	Each
6	3¼	6	2	$0.80
7	4	6	2	1.00

Copper—Black Japanned Finish

8	3¼	6	2	$0.80
9	4	6	2	1.00

ELECTRIC BALLS

CRYSTAL GLASS

Roughed inside.

No.	Diameter Inches	Depth Inches	For Holder Inches	Quantity in Barrel	Per Dozen
1082	6	6¼	3¾	30	$ 7.00
1084	8	8½	4	12	13.50

OPAL

For 3¼ Inch Holder

No.	Lettered	Diam. Inches	Depth Inches	Per Dozen
97-1939	EXIT	7	7	$.
97-1940	FIRE ESCAPE	7	7	.
97-1941	UP	7	7	.
97-1942	DOWN	7	7	. .
97-1939	EXIT	8	8	. . .
97-1940	FIRE ESCAPE	8	8	. .
97-1941	UP	8	8	. .
97-1942	DOWN	8	8	.

Note: Specify diameter and lettering when ordering; 7 inch diameter packed 1½ dozen in a carton; 8 inch diameter packed 1 dozen in a carton

OPAL

Red ball with white enameled letters.

For 4 Inch Holder

No.	Lettered	Diam. Inches	Depth Inches	Per Dozen
11026-A1	FIRE ESCAPE	8	8	$.
11026-A2	STAIRS	8	8	. . .
11026-A6	EXIT	8	8	. .

Packed one Dozen in a carton.

PORTABLE LAMP CLUSTERS

BENJAMIN

Wireless—Non-Adjustable

Designed for use in making floor and table lamps, converting oil and gas lamps and making over pottery, wooden and wickerware vases. Has a close grouping of sockets which makes it suitable for narrow shades. Each socket has an individual controlling switch working independent of the other. The electrical connections to both sockets are made by bringing the two wires through and fastening under two binding posts. Roman Gold finish. Complete with cluster body, stem with casing and ¼ inch coupling.

No. 842 Lights, 2; approximate length from shade support to bottom of coupling, 7½ inches. Unit package quantity, 1; standard package quantity, 5. Weight of standard package, 3½ lbs.....Each, **$1.60**

Wireless—Adjustable

Suitable for stand lamps using silk or parchment shades. Drawn brass body. Sockets are spaced appropriately for cord and tassels and are adjustable to any angle. Roman Gold finish. Complete with angle sockets, top ornament, stem with casing and ¼ inch coupling. Approximate length from shade support to bottom of coupling, 7⅝ inches.

No. 890 Lights, 2; carton quantity, 1; standard package quantity, 5. Weight of standard package, 4⅞ lbs.....Each, **$2.45**

No. 891 Lights, 3; carton quantity, 1; standard package quantity, 5. Weight of standard package, 5 lbs.....Each. **$3.35**

LAMP CLUSTER FLANGES

For use with Benjamin portable lamp clusters. Roman Gold finish

No. 5094 Diameter, 1⅜ inches; tapped for ⅛ inch pipe. Standard package quantity, 5. Weight of standard package, ⅜ lb..... ..... Each, **$0.05**

ELECTRIC HOUSE LIGHTING FIXTURES
KAYLINE

One Light

No. C6406-219 Length, 36 inches. Wired complete with key socket and including glass shade. Light sanded brown and gold finish ..... Each, $5.25

One Light

No. C6411-219 Length, 14 inches. Wired complete with keyless socket and including glass shade. Light sanded brown and gold finish..... Each, $5.10

One Light

No. C6415-219 Size of holder, 4 inches. Complete with porcelain keyless sign receptacle with wires and including 7x4 inch white opal globe. Light sanded brown and gold finish..... Each, $4.95

One Light

No. C6413-219 Size of holder, 2¼ inches. Complete with porcelain keyless sign receptacle with wires and including 7x2¼ inch white opal shade. Light sanded brown and gold finish... . . Each $3.15

One Light

No. C6414-219 Size of holder, 3¼ inches. Complete with porcelain keyless sign receptacle with wires and including 7x3¼ inch white opal globe. Ligh sanded brown and gold finish..... Each, $4.65

One Light

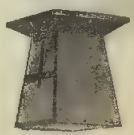
No. K2669..Size of holder, 3¼ inches. Extends, 5½ inches. Wired complete with porcelain keyless socket and including 6x3¼ inch crystal roughed inside ball. Made of iron. Black finish..... Each, $6.75

One Light

No. GLC-23 Length, 18 inches. Lantern roof 6 inches square. Depth, 7½ inches. Wired complete with porcelain keyless socket and including clear moss glass panels. Made of iron. Black finish..... Each, $8.40

One Light

No. OB-23 Height overall, 11 inches. Extension overall, 8½ inches. Lantern roof 6 inches square. Depth, 7½ inches. Wired complete with porcelain keyless socket and including clear moss glass panels. Made of iron. Black finish..... Each, $9.30



One Light

No. 22 Size of roof, 6½ inches square Depth, 7½ inches. Complete with porcelain keyless receptacle and including clear moss glass panels. Made of iron. Black finish.. ..... Each, $5.70

NOTE: Electric Lamps Not Included

FIRE PAILS

CORDLEYWARE

Indurated Fibre, Seamless, Mahogany Leather Finish, Round Bottom, Galvanized Steel Wire Bail, Wood Grip

Per Dozen

No. 12-F—Capacity About 12 Qts., 11½ in. Deep, 10¾ in. Diameter Top, Weight Per Dozen 48 Lbs. $15 00

Will outlast more than twice as long, pails made of any other material. Metal pails rust and wood pails shrink and smell, destroying the hoops

One-half Dozen in a Carton.

GALVANIZED

Plain, Round Bottom

No.	212
Trade Capacity, Quarts	12
Actual Capacity, Quarts	10½
Inches	11x10¼
Dozen in Bundle	1
Weight Bundle, Lbs.	22½
Per Dozen	$7 95

COAL HODS

GALVANIZED

Open, Plain Body, Round Bottom, Half Oval Japanned Bail

Nos.	517	518
Inches	17	18
Wt. Dozen, Lbs.	34	38
Per Dozen	$10 00	10.90

One-half Dozen in a Bundle

CUSPIDORS

SEAMLESS DRAWN STEEL

Low, Broad Base, Raised Bottom, Enameled Green

Sanitary and easily cleaned, practically impossible to tip over.

Per Dozen

No. 3—9½ in. Diam., 4 in. High, Wt Dozen 31 Lbs. $0 50

One Dozen in a Carton

CAST IRON

Sanitary, Removable Top, White Enameled Inside, Painted Maroon Outside and Striped.

Per Dozen

No. 69—8 in Diameter at Top, 4 in. High, Wt. Dozen 90 Lbs. ... $17 00

Open Stock.

CUSPIDORS

CAST IRON

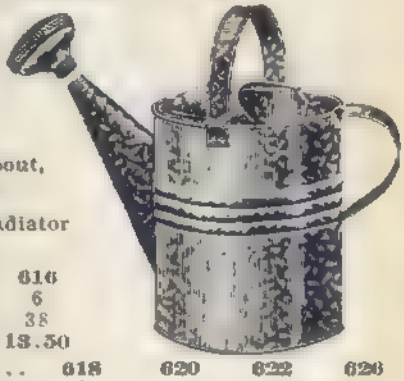
Broad Top, White Enameled Inside, Painted Maroon Outside

Per Dozen

No. 67—9½ in. Diameter Top, 6⅛ in. High, Weight Per Dozen 100 Lbs. $15.00

Open Stock

WATERING POTS



Galvanized, Wide Spout, Removable Rose

Can be used as a Radiator Filling Can.

Nos.	614	616
Quarts	4	6
Wt. Doz. Lbs.	32	38
Per Dozen	$12 00	13.50

Nos.	618	620	622	626
Quarts	8	10	12	16
Weight Dozen, Lbs.	46	50	55	67
Per Dozen	$16.00	18 50	21.00	25 75

One-half Dozen in a Case

FUNNELS

Pieced, IC Tin, Fluted Spout, with Ring

Nos.	15	20	30	35
Trade Cap., Qts.	½	1	2	4
Inches	3½	4½	6¾	8
Dozen in Case	30	30	12	15
Weight Case, Lbs.	33	41	37	50
Per Dozen	$0.68	.87	1 80	2 42

GASOLINE FUNNELS

DOVER

Heavily Copper Plated, Fine Brass Wire Strainer

The Standard Gasoline Funnel for general use

The Spout of the Funnel is large and fluted and will not become air bound in the ordinary size tank opening

Nos.	277-10T	277-20T	277-40T	277-80T
Capacity, Quarts	1	2	4	8
Diameter Top, Inches	5	8½	9¾	12
Height, Inches	6¾	9½	11	12½
Weight Dozen, Lbs.	17	33	42	54
Per Dozen	$12.00	18 20	16 80	19 80

Three Dozen in a Case.

OIL AND GASOLINE MEASURES

DOVER COMBINATION MEASURE AND FUNNEL

Copper Plated, with Lip

Nos.	05	010
Capacity, Quarts	½	1
Bottom, Inches	3¼	4
Height, Inches	6	8
Wt Dozen, Lbs.	6⅝	11⅔
Per Dozen	$8.40	10.80

Nos.	020	040
Capacity, Quarts	2	4
Bottom, Inches	5	6½
Height, Inches	10¼	12⅛
Wt. Dozen, Lbs.	18¾	24
Per Dozen	$12.60	15.00

Nos. 05 and 010, Six Dozen; Nos. 020 and 040, Four Dozen in a Case.

OIL MEASURES

BROOKINS, ALL-IN-ONE

Notice the practical features of the Brookins All-In-One Measure.

Measure—A one or two quart Standard

Flexible Metal Spout—Can be placed in any position.

Valve—Under control of thumb lever at all times.

Spring—To keep valve closed unless held open by thumb lever.

Rigid Hook—To keep spout up against measure, when not in use, to prevent dripping.

Copper Plated

Nos.	1	2
Capacity, Quarts	1	2
Weight Per Dozen, Lbs.	20	23
Per Dozen	$36 00	42 00

Two Dozen in a Package

WAGON MEASURES

NEW DOVER

So built and braced that it will prove extremely durable and at the same time be light to handle

The body is heavily reinforced with three bands and a new sunken arch bottom, which is indestructible. The new bail is reinforced with a wood boss and steel. The front of the neck is strengthened with a steel band.

Accurate as to measure and guaranteed not to leak.

Painted Red

Each

No. 277-800M—Capacity 5 Gallons, 10⅝ in. Diameter Bottom, 4 in. Diameter Pouring Neck, 20½ in. High, Weight Per Case 60 Lbs. $9 00

Six in a Case.

GARAGE FILLERS

DOVER

Heavy Steel, Heavily Galvanized with Blue Stripes

Each

No. 277-13R—Capacity 5 Gallons, 11¼ in. Diameter, 17 in. High, 4½ in. Filler Opening, 1½ in. Spout Opening, Weight Per Case 60 Lbs. $3 50

Can be filled from a tank, hose or faucet without spattering and may be poured into a funnel very fast without spilling

Six in a Case.

RADIATOR FILLERS

NEW DOVER

Heavy Steel, Galvanized

Each

No. 277-260R—Capacity 3 Gallons, 9⅝ in. Diameter, 11½ in. High, 1½ in. Spout Opening, Wt Per Case 40 Lbs. $2 50

Especially designed for garage, filling station and fleet owners. Guaranteed not to leak.

Six in a Case.

OILY WASTE CANS

NEW DOVER SAFETY

Heavy Steel Galvanized After Formed

Heavy seamless cover cannot open over 60 degress and cannot be propped open with the bail. Nonbreakable feet, bottom raised 3½ in. from the floor.

Inspected and labeled by the Underwriters' Laboratories, Inc.

Nos.	2	3	4	5
Cap., Gals.	8	10	16	19
Diam., In.	15	15	18	19
Height, In.	19¼	22	23	25
No. in Case	3	3	1	1
Wt. Ca., Lbs.	65	70	31	37
Per Dozen	$5 50	6 65	8 00	9 00

JUSTRITE

Works automatically; to raise cover press lever with foot, closes automatically. Lever can also be used as a handle in carrying can. Always leaves both hands free. For the factory, printer, machine shop or garage. Underwriters' label on all cans.

Galvanized Sheet Steel, 24 Gauge Body, 22 Gauge ⅛ in. Band Iron Legs and Foot Lever

Nos.	1	2	3
Capacity, Gals.	6	8	10
Inches	11¾x13	12½x14	13½x15
Height from Floor, Inches	4	4	4
Weight Each, Lbs.	11	13	15
Each	$4.00	4.50	5.00

Open Stock.

WASTE RECEPTACLES

HYGEIA AUTOMATIC

Conveniently and sanitarily serves its purpose in the home, in the nursery, bath and sick room and in the kitchen as a Slop Jar.

It meets the exacting requirements of Doctor and Dentist and is to be found in Hospitals, Public Institutions, First Aid and Rest Rooms.

Cover opens and closes automatically by pressure on Foot Pedal. Cover easily detaches from Frame so Pail with Cover on may be lifted free for emptying.

Handle on pail may be used for carrying complete receiver, both pail and frame.

Heavy Stamped Steel Base, Steel Frame, Heavy Stamped Steel Cover, White Enameled, Armco Rust Resisting Metal Pail.

Each

No. H—Capacity 4 Gals., 12 in. Diameter, 16½ in. High, Weight Each 12 Lbs $8 00

One in a Carton.

133 Screen Four Color Process Plates

A SPORTING GOODS CATALOG PAGE

Reproduced direct from the objects

Engraved by THE REED-TANDLER COMPANY, GRAND RAPIDS, MICH.

Novelty Dolls

ASSORTMENT OF CHARACTER DOLLS

A cute assortment of dolls made up of the following characters. Officer 7-11, Kaddy Kid, Mandy, Snowball the Bell Hop, Dollie Nurse and Dollie Scout. These numbers are 15 inches high, all with squeaking voice. Composition heads and painted hair and features. Excelsior stuffed bodies and cotton stuffed legs. The costumes are an exact copy of the people they represent. Attached to each is a clever nursery rhyme. Packed one-half dozen assorted

No. 41N8. Per dozen 8.00

LITTLE ANNIE ROONEY

Little Annie Rooney. Character doll that is sure to attract attention. Made of light-weight wood pulp composition. Height 17 in. Jointed arms and legs. Can be posed in either standing or sitting position. Finely tailored garments and tam-o-shanter hat with pom pom. Packed each in box.

No. 41N14.

Per dozen..... 24.00
Per piece... 2.25

KADDY BOY

28-inch Doll. Dressed in checked golf suit, cap and knickers. Made of imitation palm beach cloth. Has red tie and carries golf bag with two clubs in it over shoulder. Composition head with painted hair and features. Excelsior stuffed body, composition arms and legs. Cotton socks and imitation patent leather slippers, button style. Packed each in box.

No. 36N118.

Per dozen 24.00
Each . . 2.25

COLORED MAMA DOLL

Height 15 inches, Unbreakable composition legs from knee down. Also has composition head and hands which are finished in chocolate color. Features are finely painted. Has shoes and stockings. Guaranteed Ma Ma voice. Assorted pictured dresses with hats to match. Packed ½ dozen in box.

No. 36N72. Per dozen.. 8.50

COLORED DOLL WITH WIG

This Colored Doll is fully 21 inches high. Its head, arms and legs are of unbreakable composition finished in chocolate color. Painted eyes and features. The wig is of mohair. Dainty slip dress, lace trimmed, frill underwear. Poke bonnet made to match dress. Has patent leather slippers and stockings. Loose joint hips for walking. Ma Ma voice. Packed each in box.

No. 36N73. Per dozen. 19.50

French Style Novelty Dolls

FLAPPER DOLL

This Cute Little Flapper Doll is an excellent and inexpensive doll to use for dressing. The body is sateen and is cotton stuffed. The face is of heavy gauze and the features are hand painted, the wild curly wig is of mohair. Has neat ribbon around neck. The bodies and hair are in assorted colors. Packed 8 to box. Length 24 inches.

No. 34N51. Per dozen..... 7.50

PARLOR DOLL

Here is a Doll that people love to dress. The face and features plus the silk wig make it a very attractive number. The wig is made of silk yarn. Features are hand painted, cotton stuffed body, sateen covered. Body and wig are of assorted colors. Length 27 in Each in box.

No. 34N11.
Per dozen... 15.00 | Each. . 1.35

BLACK BOTTOM DOLL

A Real Jazz Baby, 20 inches high. Let the Black Bottom Vamp do her stuff by raising and lowering the elastic band to which she is attached. Goes through all the latest steps. Cotton stuffed body and is cleverly costumed in sateen jacket and pantalets with hat to match. Each in box.

No. 34N43.
Per dozen... 18.00 | Each... 1.85

LOW PRICED DRESSED DOLL

25-Inch Doll. Assorted costumes. Some come in dresses of fancy cretonne with flower design, trimmed with lace and rayon braid. Others come in attractive colored sateen pantalets and eton jacket. All have hoods that match dress. Mohair wigs of assorted colors. Imitation patent leather slippers. Well stuffed body. Packed 2 dolls in box.

No. 34N53. Per dozen... 12.00

BIG VALUE RAYON DRESSED DOLL

The great demand for French style fancy dressed parlor dolls at a popular price caused us to make a special effort to produce one for you. In this 25-inch doll we are showing an exceptional value. It is dressed in beautiful rayon dresses trimmed with lace and having silk ribbon bows and has a wide starched underslip which puffs out the skirt. Body, arms and legs completely covered with rayon and stuffed with cotton throughout. Attractive hand painted face. Silk yarn wig. Dresses and wig come in assorted colors. Each in box.

No. 34N19.
Per dozen... 27.00 | Each... 2.50

FANCY DRESSED DOLL

This Charming Doll is 20 inches long and will brighten any parlor or boudoir in which it is placed. Beautiful hand painted face. Silk yarn wig that is braided. Rayon dress trimmed with silk bows and rosettes. Skirt has extra wide spread. Body, arms and legs rayon covered. Well stuffed body. This is an extra high grade doll. Packed each in box.

No. 34N10.
Per dozen... 51.00 Each... 4.50

FLEXIBLE FLYER

The Sled That Steers

Improved Construction (All Steel Front). More Effective and Easier Steering.
High Grade Steel Runners—Grooved. Safer—Attractive—Stronger

SAFE

The steering is easy and the grooved runners prevent skidding. The special shape of the goose-neck runner gives a longer and therefore better steering surface and the steel-front acts as a shock absorber and prevents breakage.

FAST

The grooved runners are straight and true which makes for speed; yet in steering no dragging of the toes is necessary, thus saving shoes and preventing wet feet.

The reason for the ever-increasing demand for "Flexible Flyers" is because they are the highest type of sled made and will give years of joy and service to every boy or girl who receives and uses one.

STRONG

All wood used is selected straight-grained second growth ash. The steel supports are scientifically designed and shaped to give extra strength.

"Flexible Flyers" are light and therefore easy to carry or pull up hill.

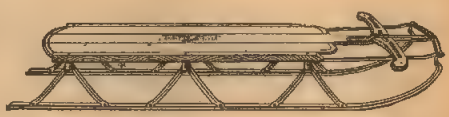
THEY LAST

The steel parts are japanned—not merely painted and varnished; so the paint sticks.

The wood parts are handsomely decorated and finished with the best varnish.

Nos.	M1	M2	M3	M4
Length, in.	38	42	47	52
Height, in.	6	6	7⅞	7⅞
Width, in.	12	13	14	14
W't, doz., lbs.	102	120	186	201
Per dozen	$45.00	57.00	72.00	78.00

No.	M5
Length, in.	63
Height, in.	8
Width, in.	16
W't doz., lbs.	288
Per dozen	$105.00



JUNIOR RACER

No.	M6
Length, in.	49
Height, rear, in.	5¼
Height, front, in.	6½
Width, in.	12
W't doz., lbs.	132
Per dozen	$63.00

RACER

No.	M7
Length, in.	57
Height, rear, in.	5½
Height, front, in.	7½
Width, in.	13
W't doz., lbs.	195
Per dozen	$78.00

ALL ABOVE, ONE-SIXTH DOZEN IN A BUNDLE

SNOW BIRD SLEDS

In the Snow Bird Sled we have maintained the same high standard of quality and construction as in the Hibbard Glider Sled, using the Air Dried Selected White Ash Lumber; the very best High-Carbon Spring Steel Runners (these runners are of the flat running surface kind, that give the sled more speed); Heavy Gauge Stamped Steel Parts. Finish—three coats of High Grade Coach Varnish. Attractively stenciled.

Nos.	M180	M190	M210	M220
Size, in.	26×10	32×12	36×13	40×13
W't doz., lbs.	72	84	96	108
Per dozen	$17.55	22.20	27.75	33.35

ONE SIXTH DOZEN IN A BUNDLE. WE DO NOT BREAK

Stamped steel knees, best crucible spring steel "T" shaped runners tops of rock elm handsomely finished, gears to runners painted red, all parts strongly riveted.

No. M225—Size 45×13×8¼ in., w't per doz. 123 lbs., per dozen $40 00

ONE-SIXTH DOZEN IN A BUNDLE. WE DO NOT BREAK

Stamped steel knees, best crucible steel "T" shaped runners, painted red, tops of rock elm handsomely finished, all parts are strongly riveted.

Long, low, narrow, racy lines built for speed.

No. M250—Size 58×13×6¼ in., w't per doz. 162 lbs., per dozen $52.20

Our reputation founded on over seventy-two years' business stands back of the OTB brand.

All goods branded OTB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling OTB articles there is a profit for you and satisfaction to your customers.

Hibbard Hardware for Hard-Wear

DOLL PERAMBULATORS

Light sheet steel body construction; black enameled finish, gold striped. Height of handle 23 inches; body 17 inches long, 7½ inches wide; 6 inch wheels, heavy rubber tires, single spokes; three bow, leatherette covered hood; polished wood cross handle.

Each

No. 1054—Wt per carton 23 lbs . . . $4 80

Four in carton.

Light sheet steel body construction; black enameled finish, gold striped. Height of handle 25 inches; body 13 inches long, 8¼ inches wide; 7 inch wheels, heavy rubber tires, double spokes; three bow, leatherette covered hood; polished wood cross handle.

Each

No. 1207—Wt per carton 15 lbs. $8 25

Two in carton.

STEERING SLEDS

FLEXIBLE FLYER

Selected second growth straight grained ash; decorated and finished with three coats of varnish.

The improved all steel front construction and the high grade steel grooved runners with pressed steel japanned uprights, makes steering easier and more effective, greatly strengthening the sled and adding to its service and durability.

Nos.	1	2	3	4	5
Length, ins	36	42	47	52	63
Height, ins	5	6	7⅛	7⅛	8
Width, ins	12	13	14	14	16
Wt per doz, lbs	114	126	192	198	282
Per Doz	$9 00	$23 00	$59 00	$71 00	$25 00
One-sixth doz in bdle.	*$1 50*	*$7 00*	*$9 00*	*$3 00*	*$5 00*

RACER TYPE FLEXIBLE FLYER

Second growth straight grained ash; decorated and finished with three coats of varnish. The improved all steel front construction and high grade steel grooved runners with pressed steel japanned uprights, makes steering easier and more effective, greatly strengthening the sled and adding to its service and durability.

Nos.	6	7
Length, ins	49	57
Height, rear, ins	5¼	6¼
Height, front, ins	6½	7¼
Width, ins	12	13
Wt per doz, lbs	126	186
Per Doz	$38 00	$71 00
One-sixth doz in bdle.	*$3 00*	*$8 00*

STEERING SLEDS

High carbon T shaped steel runners; pressed sheet steel knees. Steel parts are painted red, and the seat board is made of three pieces of selected ash, finished in natural wood finely scrolled and striped.

Per Doz

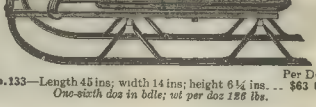
No. 120—Length 30 ins; width 10 ins; height 6 ins. . . . $33 00

One-sixth doz in bdle; wt per doz 72 lbs.

Stamped steel knees; crucible steel runners, T shaped and so curved in front as to give a maximum length of steering surface; sled responds instantly without loss of speed, to the slightest bend in the steel runner made by the steering bar; gear and runners finished red enamel; tops of rock elm, beautifully painted and decorated.

Nos.	130	131	132
Length, ins	33	36	40
Width, ins	11	12	13
Height, ins	6	6	6¼
Wt doz, lbs	80	90	100
Per Doz	$35 25	43 50	48 00

One-sixth doz in bdle.



Per Doz

No. 133—Length 45 ins; width 14 ins; height 6¼ ins. . . $63 00

One-sixth doz in bdle; wt per doz 126 lbs.

TOY DISPLAY RACKS

Substantially constructed throughout of black wrought steel pipe securely braced, adjustable for displaying all size wagons, sleds, etc. 1 inch base fitted with floor flanges with screw holes for fastening to floor, ¾ inch standards and ½ inch single arms. Height over all 72 inches; width top 35 inches; base 38 inches.

(See following page for prices.)

DOLL CARRIAGES

Reversible Gear, Loom Woven.

Round fibre body and adjustable hood, decorated with large rolls. Seat, back, hood and half sides upholstered in printcess cloth. Spring steel gear and pusher, with brake. 10 inch artillery wood wheels with 1½ inch rubber tires. Length body 22 inches, width 11 inches; height to top of hood 34 inches; height to handle 27½ inches.

Each

No. 346—Caramel enameled body and hood with green toning, cream enameled wheels, gear and pusher $27 00

One in carton; wt each 20 lbs.

Reversible Gear, Loom Woven.

Round fibre body and adjustable hood; seat, hood, back and sides upholstered with brown corduroy. Spring steel gear and pusher with foot brake; wood handle. 10 inch double spoke wire wheels with ⅝ inch rubber tires. Length body 26 inches, width 12½ inches; height to top of hood 36 inches, height to top of handle 30 inches.

Each

No. 444—Caramel enameled body and hood, cream enameled gear, wheels and pusher $33 00

One in carton; wt each 26 lbs.

Reversible Gear, Loom Woven.

Round fibre body and adjustable hood decorated with large rolls. Seat, back, hood and sides upholstered with brown corduroy. Spring steel gear and pusher with foot brake; wood handle; 10 inch artillery wood wheels with ⅝ inch rubber tires. Length body 26 inches, width 12½ inches; height to top of hood 36 inches; height to handle 30 inches.

Each

No. 447A—Light green enameled body and hood, cream enameled gear; wheels and pusher $39 00

One in carton; wt each 28 lbs.

Round fibre body, hardwood tongue 6 inch wire wheels with ¼ inch rubber tires. Size seat 7x8½ inches; length over all 27 inches

Each

No. 792—Light tan enameled body with ivory band around top, black enameled wheels and gear $4 80

(Sold in full carton lots only.)

Third doz in carton; wt each 3½ lbs.

DOLL CARTS

Collapsible.

Flat steel; baked black enamel finish; height of handle 25½ inches; frame 17 inches long, 8½ inches wide; 7 inch wheels, double spokes, heavy rubber tires, reclining back; three bow; leatherette covered hood and sides; polished wood cross handle.

Each

No. 646—Wt per carton 20 lbs. $6 60

Three in carton.

Semi-Collapsible.

Flat steel; baked black enameled finish; height of handle 22½ inches; frame 15 inches long, 8 inches wide; 6 inch wheel, double spokes and heavy rubber tires; three bow, leatherette hood and sides. Each

No. 329—Wt per carton 17 lbs. $4 05

Four in carton.

Collapsible.

Flat steel; baked black enameled finish; height of handle 22½ inches, frame 15 inches long, 8 inches wide; 6 in. wheels, double spokes, rubber tires; leatherette covered top, size 7x7½ ins.

Per Doz

No. 325—Wt per carton 14 lbs $39 00

Sold in full carton lots only.

One-third doz in carton.

Collapsible.

Flat steel; baked black enamel finish; height of handle 21 inches; frame 12½ inches long, 6⅝ inches wide; 5 inch all steel wheels, single spokes; leatherette covered auto top, size 7x7½ ins.

Per Doz

No. 202—Wt per carton 15 lbs. $24 00

Sold in full carton lots only.

Half doz in carton.

Collapsible.

Flat steel; baked black enamel finish; height of handles 20 inches; frame, 11 inches long, 6 inches wide; 5 inch wheels, single spokes, leatherette covered frame.

Per Doz

No. 190—Wt per carton 10 lbs. $19 50

(Sold in full carton lots only.)

Half doz in carton.

FLY LOCK POCKET KNIVES

Operated by Pressing and Sliding Knurled Button on Handle, One for Each Blade. Easily Operated with One Hand and Without Removing Gloves. Does Not Break the Finger Nail. Locks Open or Closed. Cannot Close Up While in Use Nor Open Up in Pocket. Blades of Highest Quality Steel.

Cuts about ⅞ Actual Size.

Per Dozen

No. 1202—Two Blades, 3½ Ins. Shell Celluloid Handles. Brass Lined. Tipped. Polished Blades..... $

Per Dozen

No. 1104—Two Blades, 3½ Ins. Gold Celluloid Handles, Brass Lined. Polished Blades ..... $

Per Dozen

No. 1206—Two Blades, 3½ Ins. Stag Handles. Brass Lined. Tipped. Polished Blades..... $

Per Dozen

No. 1106—Two Blades, 3½ Ins. Stag Handles. Brass Lined. Polished Blades. $

FLYLOCK POCKET KNIVES

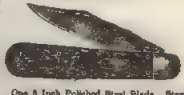
Blades Made of High Quality Steel. Sliding the Knurled Button on Handle Opens Blade. Locks Open or Closed.

Two 3¼ Inch Polished Blades. Shell Celluloid Handle, Brass Lined

Per Dozen

No. 1102.....

Half Dozen in a Box



One 3 Inch Polished Steel Blade. Stag Handle, Iron Lined. German Silver Bolster

Per Dozen

No. 11000.....

Half Dozen in a Box

No. 1102 . . . . . .

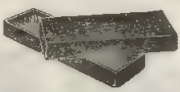
No. 11600.....

Per Dozen

No. 11004—One blade, 5 Ins. Stag Handle. German Silver Cap and Bolster Iron Lined. Polished Blade. German Silver Guard

One-half dozen in a box

POCKET KNIFE BOXES

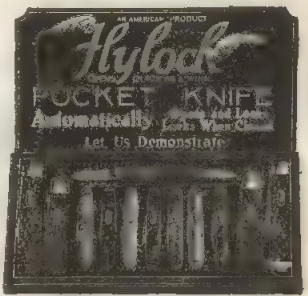


Made of Good Weight Cardboard Neatly Covered with Dark Green Pebbled Paper. Correctly Formed and with Well-fitting Covers.

Per Dozen

No. 50—3½ x 1½ x ½ Inches..... $

Two dozen in a package.



An Assortment Consisting of 12 Knives, 11 Patterns in a Glass Front Case, 12 x 5¼. Contains 1 Each of the Following Patterns Except No. 12000 of Which There are Two.

No. 1102—2 Blade, Shell Celluloid Handle
No. 1103—2 Blade White Celluloid Handle
No. 1110—2 Blade, Nickel Silver Handle
No. 1116R—2 Blade, Gun Metal Handle
No. 1202—2 Blade, Shell Celluloid Handle
No 1204 2 Blade, Gold Celluloid Handle
No. 1207—2 Blade, Black Celluloid Handle
No. 1208—2 Blade, Smoked Pearl Handle
No. 11000—1 Blade, Stag Handle
No. 12000—1 Blade, Stag Handle

Per Asst.

No. 900 ..... $

SAFETY PUSH BUTTON KNIVES

Pressing the Button Automatically Opens the Blade and Locks it in the Open Position. The Knife Cannot Open in the Pocket as the Safety Slide Locks the Blade.

Stag Handle 3¼ Inches. Brass Lined. Polished Blade.

Per Dozen

No. 7403..... $

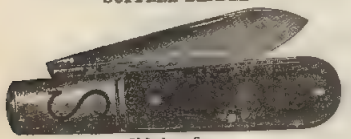
Stag Handle 3¼ Inches. Tipped Bolsters. Brass Lined. Polished Blade

Per Dozen

No. 7403T..... $

BARLOW KNIVES

SUPPLEE-BIDDLE



3¼ Inches. Spear

Per Dozen $

No. 1418 One Blade . . .
No. 1338—Two Blades . . .
No. 1333/4 —Two Blades. Clipped . .
No. 1331/2—Two Blades Sheep Foot .
One dozen in a package

IMPORTED POCKET KNIFE

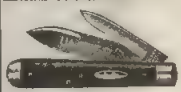
Junior Barlow

One Blade, Bone Handle 3 Inches Long Steel Lined. Long Bolster. With Ring.

Per Dozen

No. 1085 . . . . . .
One Dozen in a Package

GENUINE ULSTER POCKET KNIFE



2 Blades 3¼ Inch Stag Handle, Brass Lined German Silver Bolster and Cap. Shield Large Blade Polished One Side .

Per Dozen

No. LW2536 . . . . .
Half dozen in a box

AMERICAN MADE POCKET KNIFE

Two Blades. 3¼ Inch Assorted Celluloid Handles. Brass Lined. German Silver Bolsters. Per Dozen

No. 1600AC. . .

IMPORTED POCKET KNIVES

2 Blades. 3 in. Pearl Handle, Brass Lined. German Silver Bolster and Cap. Per Dozen

No. 1081J.....
One Dozen in a Box.

Mail Us Your Orders

VALLEY FORGE POCKET KNIVES

2 Blade—Metal Handles 3⅛ Inches

These Knives are American Made, Blades are of Good Quality, will Take and Hold an Edge

Per Dozen

No. 2 —Spear Point . . . . . .
No. 2C—Clipped Point . . . . . .
One Dozen in a Box.

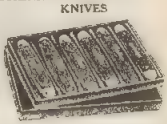
NEW IMPORTED POCKET KNIFE

One Spear Blade Glazed, 2¼ Inch Metal Handle Resembling Stag Embossed Easy Opener with 16 Inch Chain. Metal Lining and Bolster.

Per Dozen

No. 01116 . .
Two dozen in a package, wright Box.

STAINLESS STEEL POCKET KNIVES



Four Pen and Two Jack Knives in the Assortment All 3¼-Inch Stag Handles, 2 Blades, Brass Lined, German Silver Bolsters and Caps. Large Blades Full Polished Will Not Rust and Will Stay Bright Always.

Per Dozen

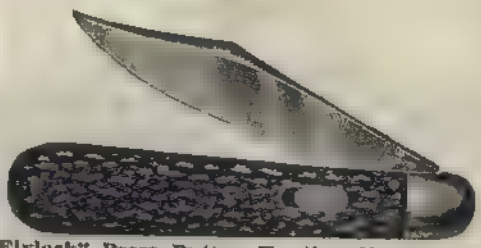
No. 503 . . . . . .
Half dozen in plush-lined display box

Imported and American Made Hunting Knives

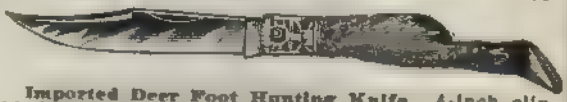
Imported Hunting Knives. Genuine deer foot handle, nickel ferrule, steel double guard extra large steel blades, swaged back on both sides. Each in case with metal protected point. ½ dozen in box.
10C827. 5-in. blade, entire length 9¾ in. Doz. **10.50**
10C828. 6-in. blade, entire length 10½ in. Doz. **11.50**

Imported Bowie Knife. 6 in. blade. The standard style hunting knife. High grade heavy gauge forged steel sabre blade, long swage, heavy nickel silver guard, non-slipping bone stag handle. Complete with cowhide leather sheath. ½ dozen in box.
No. 10C814. Per dozen..... **11.50**

Imported Hunting Knife. 5-inch blade, heavy gauge steel, perfectly tapered and ground to a keen edge. Double swage back, nickel silver guard and butt, easy-grip rosewood handle. Complete with heavy cowhide leather sheath. ½ dozen in box.
No. 10C805. Per dozen..... **12.00**



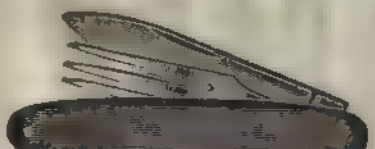
"Flylock" Press Button Hunting Knife. American made. One large clip blade, highly polished on one side, stag handle, nickel silver bolster, steel lined. To open blade press and draw button. Length 8 inches. ½ dozen in box.
No. 10C830. Per dozen..... **13.50**



Imported Deer Foot Hunting Knife. 4-inch clip blade, full polished, fancy brass bolster, spring lock back, brass lined, deer foot handle, natural hair and polished hoof. Entire length 8½ inches. ½ dozen in box.
No. 10C858. Per dozen..... **13.50**

Imported Deer Foot Handle Hunting Knife. Two blades, one 4 in., the other 2½ in., self-locking when opened. Pressing on small blade releases the spring and the large blade shuts; fancy brass bolsters, and brass lined. Genuine deer foot handle, fine polished corkscrew at back. Length 8½ inches. ½ dozen in box.
No. 10C802. Per dozen..... **18.00**

Campers' Knives



Imported Camper's Knife. Consisting of knife and fork. Knife of high grade steel, handle separates in center and forms two individual tools—a knife and fork. Composition handle. Size closed, 3⅝ inches. One dozen in package.

No. 10C950. Per dozen..... **4.00**

Imported Camper's Outfit. Consisting of knife, fork and spoon of high grade steel, nickel finished. Handle separates and forms three individual tools; knife, fork and spoon; ebony finish composition handle. Size closed, 3⅝ inches. ½ dozen in package.

No. 10C951. Per dozen..... **6.50**

Imported Pocket Knife Tool Kit. Comprising a cocobolo handle jack knife, 6½ inch open, and 5 extra tools which can be attached to handle. High grade steel carefuly tempered. File, reamer, cork puller, screw driver and chisel, in leather pouch. Size 3x4½ inches.
No. 10C79.
Per dozen kits..... **14.50**
Per kit..... **1.25**

Stainless Steel Pocket Knife Assortments

American made Pocket Knives, scientifically treated so that they will take and retain a sharp cutting edge. Warranted against any defects due to inferior workmanship of materials and against stains, rust or corrosion.

Stainless Steel Pen Knife Assortment. Consists of eight stag patterned pen knives and four attractive colored celluloid handle knives. Six of the knives are with tips and six with bolsters; all are brass lined and polished on one side of the large blade. One dozen assorted in an attractive display tray. Length of knife closed 3".

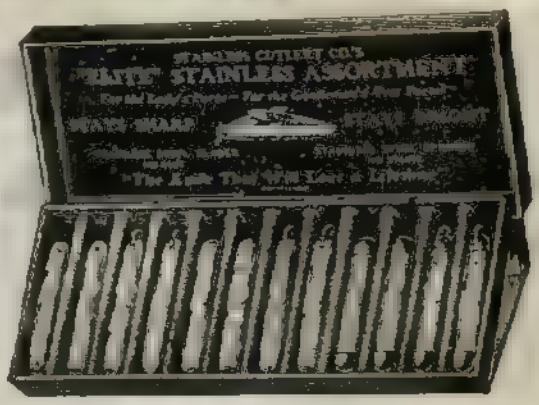
No. 100550. Per dozen..... **6.50**

Stainless Steel Jack Knife Assortment. Consists of four easy-opener Jack Knives and four stag pattern pen knives with spear blade—four with tips, four with shackles. The knives are brass lined—the large blade is polished on one side. Packed one dozen assorted in an attractive display tray. Length of knife closed 3¼".

No. 100551. Per dozen..... **6.50**

Stainless Steel Ultra-Pearl Assortment. Consists of six different patterns of Stainless Steel two-blade Pocket Knives in beautiful unbreakable Ultra Pearl handles; three with shackles and three without. These knives have both blades full polished, are nickel silver lined and milled—packed in an attractive metal and glass display case, each knife in individual gift box. Length of knife closed 3".

No. 100641. Per assortment of six..... **6.00**



"Elite" Stainless Waldemar Knife Assortment. 2 blades, full mirror polished. Blades and springs are of **Stainless Steel.** Specially selected Mother-of-Pearl handles, nickel silver bolsters, brass lining, shackle for chain. Size 2½ inches long when closed. One dozen in patented plush lined display case.

No. 72J235. Per dozen..... **12.00**

Stainless "Pearl Gift" Pen Knife Assortment. 2 blades, full mirror polished. Blades and springs are of **Stainless Steel,** linings and tips of nickel silver. Linings beautifully milled all around, finest quality selected Mother-of-Pearl handles, measures 3⅛ inches closed. Each knife in individual gift box, assorted 6 in attractive display box.

No. 100657. Per assortment of six..... **5.00**

Photo by H Armstrong Roberts *150 Screen Combination Line and Halftone Plate*

A HOUSE ORGAN COVER

Reproduced from photograph with lettering drawn on and Pen drawing of border and trade-mark.
All negatives Stripped into Position

Engraved by HURST ENGRAVING COMPANY, ROCHESTER, N. Y.

PRESS BUTTON, FOLDING

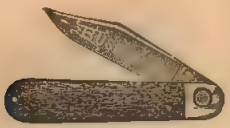
By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

Full polished, stag handle, brass lined, 3¾ in. closed.

No. C942—1 spear and one pen blade, per dozen $20.55

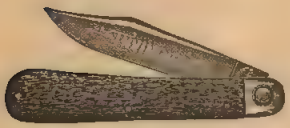
No. C957—1 clip and one pen blade per dozen 20.55

HALF DOZEN IN A BOX



No. C943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. ..... per dozen $20.55

HALF DOZEN IN A BOX



No. C944—1 blade, polished, 3¾ in., stag handle, iron lined, length closed 4⅞ in. ..... per dozen $22.65

HALF DOZEN IN A BOX

No. C953—1 blade, polished, 3¾ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅝ in. ..... per dozen $37.00

HALF DOZEN IN A BOX

INK ERASERS

No. C681—2¼ in., steel blade, crocus polished, 3¾ in. genuine ebony handle, 3½ in. sheath ... per doz. $8.35

HALF DOZEN IN A BOX

No. C14311—1XL, 2½ in. Wardlow's crucible steel blade, crocus polished, 4 in. genuine ebony handle, per dozen $36.10

HALF DOZEN IN A BOX

KNIFE PURSES

Fine imported smooth kid, silk stitching, enameled button clasp.

Nos.	C1RB	C2RB	C3RB	C4RB	C5RB
Length, in.	2¾	2¾	3¼	3¾	4
Per dozen	$1.10	1.10	1.10	1.10	1.10

THREE DOZEN IN A BOX

Smooth kid, silk stitching with solid brass embossed button clasp.

Nos.	C1	C2	C3	C4	C5
Length, in.	2¾	2¾	3¼	3¾	4
Per dozen	$1.10	1.10	1.10	1.10	1.10

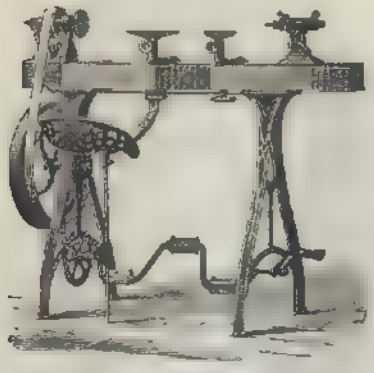
THREE DOZEN IN A BOX

KNIFE PURSE ASSORTMENTS

No. C12—Assortment consists of 12 knife purses, assorted sizes, on attractive stiff card, size 11½x10 in., with easel back and hang up ring, per assortment $1.35

LATHES.

WOOD TURNING.



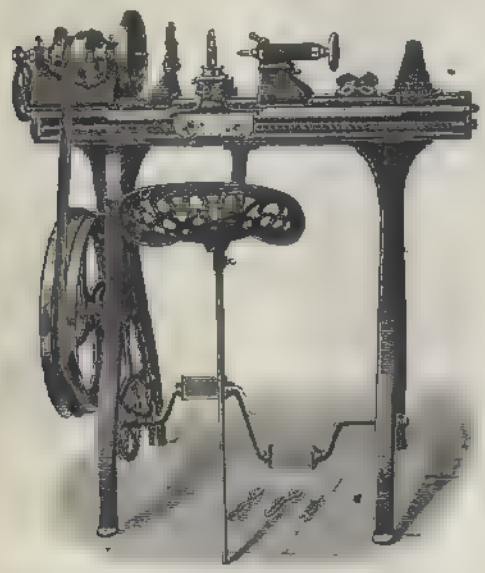
Net each

No. 3C—Complete, with 3 centers (1 a spur,) 2 tool rests and sockets, and 1 turned face plate, weight 280 lbs., boxed 320 lbs. . . . . Market Price

No. 3W—Without lower portion, but with short bench legs . . . . . .

Will take wood 12 in in diameter and 3 ft. long. Has velocipede foot power and improved seat. Speed can be varied from 1,000 to 2,000 revolutions per minute, and the motion can be started, stopped and reversed instantly. Adjustable sliding seat can be readily moved along to any part of the bed that the work requires. This lathe is made entirely of iron and steel except the bed which is of wood. The spindle is of steel, fitted up in the best manner. All the bearings are of steel, making them strong, durable and light-running. The centers are accurately fitted to taper holes. No wrench is required to adjust tail stock or tool rests and sockets, hand wheels being used instead.

SCREW CUTTING.



9 in. Swing.

This is the smallest back geared and screw cutting lathe our factory makes, and they claim confidently that it is far and away the best lathe of its size on the market. It feeds right or left, and cuts screws right or left without change of gearing. The carriage is thoroughly gibbed for taking up wear.

They do not make this lathe with automatic cross feed. Our twenty-five years' experience as lathe users and builders convinces us that on a small lathe, say less than 13 inches swing, automatic cross feed is of no particular advantage. The tool carriage on our lathe swivels so that the tool can be set to work at any desired angle, and it also adapts the lathe for taper boring. These features, they are confident, are of greater value than automatic cross feed.

The tail stock has side movement to adjust centers for turning tapers. The head stock has hollow spindle for rods up to ⅝ inch. All the gearing is cut from solid metal. All parts are made of steel, where this would best serve the purpose.

It is indexed for threads 5 to 40, and the change gears furnished can be combined for many other threads. It swings 9 inches and takes 25 inches between centers. It swings 4½ inches over the tool carriage.

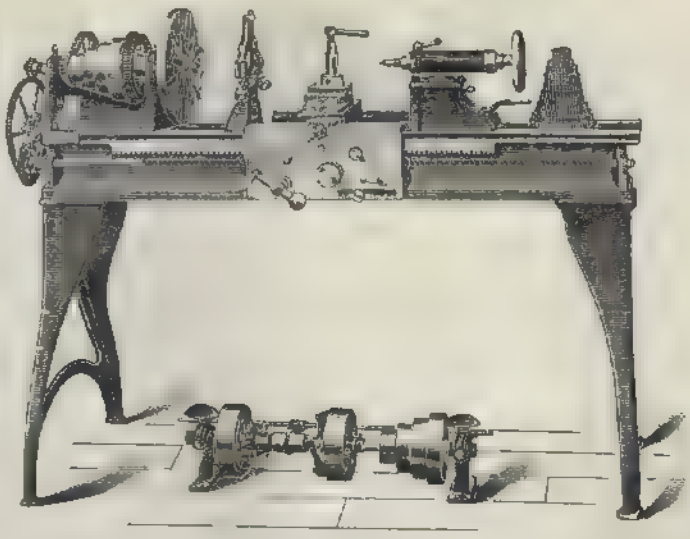
The small pulley on cone is 2½ inches; the large pulley 4¼ inches.

Net each

No. 4½ Weight 270 lbs., boxed 340 lbs. . . . . Market Price

Compound Rest, extra . . . . . .

SCREW CUTTING.



With the patent velocipede foot power, motion can be started, stopped or reversed instantly, and greater power can be applied on the work than with any old style foot power, and with greater ease. Head stock has a hollow steel spindle that will take a ⅜ in. rod through its entire length. Boxes are accurately fitted to the spindle, with provisions to keep them true and take up wear. Tail stock can be readily set at any desired point, or taken altogether from the lathe bed, without removing nuts and bolts. It can also be set over for turning tapers. Spindles for both head and tail stocks are of steel, with positively true taper holes for the reception of the centers. Tail stock center is self-discharging. Tool carriage is gibbed to the bed. All the works are securely protected from chips and dirt, insuring long wear and durability to the most costly and vital parts of the lathe. It is indexed for threads 4 to 32 and the change gears furnished can be combined for many other threads. Swings 13 in. on face plate; over tool carriage, 8 in. Has a splined screw, giving rod feed for turning reserving the screw for thread cutting only. By a lever in the apron of the tool carriage the feed can be graduated instantly from coarse to fine, and vice versa.

Automatic Cross-Feed and Compound Rest.

NO.	Length of Bed, Feet	Distance Between Centers, Inches	Weight of Lathe Pounds	Weight Boxes Pounds	Net Each
13	5	33	640	775	
13	6	45	690	850	Market Price
13	7	57	740	890	
13	8	69	790	950	
13	10	93	950	1150	

If countershaft is taken instead of foot power, advance list.

For the highest quality of White Enameled Ware, try the Polar brand. This we have for prompt shipment.

For FORD CARS

"PEERLESS" RADIATORS

Nationally known both to dealer and consumer.

Honeycomb core, black enameled, large capacity, much more cooling surface than in standard core, all parts in contact with water are brass. 1 in crate 40 lbs

4K8405—For 1918 and earlier Fords Each **$12.00**

4K8400—For 1917-23 models Each [illegible]

4K8407—For 1924-27 models Each **$11.60**

BRASS TUBULAR RADIATORS

4 gal capacity, core spot welded, black enameled shell of 20 gauge steel, same in material, dimensions and construction as regular Ford radiator. 1 in box 40 lbs.

4K8204—1917-23 models, incl Each **$11.00**

4K8205—1924-27 models, incl Each **$12.00**

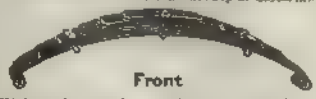
HONEYCOMB TYPE RADIATOR CORES

Honeycomb construction, all parts in contact with water or solder, durable, efficient, guaranteed. Correctly sized not to rattle. 1 in crate. Shipping weight

	Each
4K7928—Models 1917-23	**$8.25**
4K7929—Models 1924-27	**8.75**

STANDARD GUARANTEED SPRINGS

We will replace free any spring that breaks because of defects in workmanship or material.



Front

High grade special analysis spring steel heat treated, oil tempered.

4K8696—7 leaf for all Fords to 1925. 1 in pkg., 17½ lbs. . . . . Each **$1.35**

4K8700—8 leaf for '26-'27 Fords. 1 in pkg., about 19 lbs. . . . Each **$1.65**

4K8697—Extra heavy, 9 leaf for Ford commercial cars, coupes and sedans. 1 in pkg., 22 lbs. . . . . Each **$1.80**

Rear
For All Fords

High grade special analysis spring steel heat treated, oil tempered

4K8688—Standard 8 leaf, 41½ lbs. 1 in pkg. Each **$4.00**

4K8699—Extra heavy 10 leaf for Ford commercial cars, coupes and sedans. 1 in pkg., 45 lbs. Each **$5.35**

"TUTHILL" TITANTIC FRONT SPRINGS

See that Arch

For 1925 and Earlier Model Fords

4K8600—Standard 7 leaf, highest quality tempered alloy steel, no center bolt, guaranteed against breakage . . Each. **$3.80**

FENDERS FOR ALL FORD CARS

20 gauge steel, 2 coats baked-on black enamel, exact duplicate of standard Ford equipment. 1 set in crate.

➡4K8450—(Mfrs 18) For all models 1917-23 also 1924-25 roadster and coupe. SET (4 pcs) **$6.75**

➡4K8451—(Mfrs 19) For 1[illegible] 4 pcs. SET (4 pcs) **$9.75**

➡4K8452—(Mfrs 21) For 1924-25 sedans. SET (4 pcs) **$9.50**

➡4K8453—Mfrs 22) For 1926-27 coupes and roadsters SET (4 pcs) **$11.35**

➡4K8454—(Mfrs 23) For 1926-27 sedans and tourings . . . SET (4 pcs) **$11.35**

➡*Shipped F. O. B. factory in Ohio.*

FENDERS FOR FORD TRUCKS

20 gauge steel, 2 coats baked-on black enamel for Model T Ford chassis conversion to 1 ton truck. 1 pr in crate

➡4K8480—(Mfrs 1) For 1925 and earlier models . . . . . Pair **$3.35**

➡4K8461—(Mfrs 7) For 1926-27 models Pair **$6.00**

➡*Shipped F. O. B. factory in Ohio*

COMMERCIAL BODY

For 1925 and Earlier Model Ford Chassis

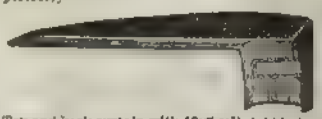
➡4K8851—For 1925 and earlier Fords, 60 in. long, 35 in. wide, 8 in. high, black body, 4 in. braced flare boards, all holes drilled, all necessary hardware, easily assembled. 1 in crate, 115 lbs

Each **$6.95**

➡*Shipped F. O. B. factory in Central Illinois*

TOP RECOVERS

All made of 34 oz. fine grain waterproof material, black back on 1.85 drill guaranteed as to material and workmanship, and to fit perfectly



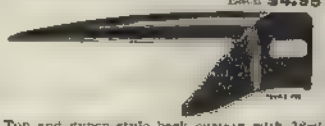
Top and back curtain with 18x6 celluloid light. 1 in heavy fiber carton

Roadster

4K7760—Models 1915-23 incl Each **$3.95**

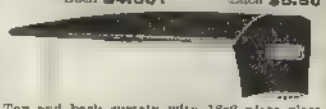
Touring

4K7761—Models 1915-22 incl Each **$4.95**



Top and gypsy style back curtain with 18x6 celluloid light. 1 in heavy fiber carton

Roadster	Touring
4K7762—Models 1923-25 incl.	4K7764—Models 1923-25 incl.
4K7763—Model 1926. Each **$4.50**	4K7765—Model 1926. Each **$5.50**



Top and back curtain with 18x6 plate glass light. 1 in heavy fiber carton.

Roadster

4K7766—Models 1915-22 incl Each **$4.75**

Touring

4K7767—Models 1915-25 incl Each **$5.85**

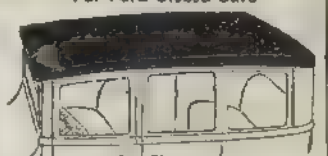
Top and gypsy style back curtain with 18x6 plate glass light. 1 in heavy fiber carton

Roadster	Touring
4K7768—Models 1923-25 incl.	4K7770—Models 1923-25 incl.
4K7769—Model 1926. Each **$4.90**	4K7771—Model 1926. Each **$5.80**

4K8738—Models 1915 to 1929. 34 oz. long grain waterproof material with drab back, latest gypsy style back curtain, 18x6 plate glass light set in japanned frame, with top back curtain [illegible] and fasteners. 1 in heavy fiber carton Each **$7.25**

TOP COVERS

For Ford Closed Cars



High grade heavy drill back material, bright finish, fine grain, with welt and tacks. 1 in pkg.

	Each
4K7757—For all Ford coupes	**$2.35**
4K7758—For all Ford sedans	**3.45**
4K7759—Four-door Ford sedan, 1923-27 incl	**$4.75**

DOOR OPENING TYPE SIDE CURTAINS

Latest door opening type 34 oz. first quality rubberized material curtains attach to rods and swing out with doors. Complete with sockets for installing. 1 set in carton

Roadster	Touring
4K7778—Models 1915-23 incl. Complete with irons.	4K7781—Models 1915-22 incl. Complete with irons.
4K7779—Models 1923-25 incl. Complete with irons	4K7783—Models 1923-25 incl. Complete with irons
4K7780—Models 26-27. Irons not included with original curtains. Set **$6.00**	4K7784—Models 26-27. Irons not included with original curtains. Set **$7.00**

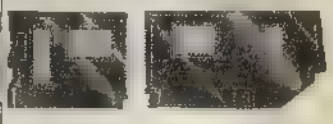
STANDARD TYPE SIDE CURTAINS

34 oz., fine grain black back material, celluloid lights, bound with flap strap and double stitched with eyelets and turn buttons. 4 pieces in set. 1 set in carton

Illustrates one side ONLY

Roadster

4K7774—Models 191[illegible] incl. SET 4 pcs)
4K7775—Models 1923-25 incl. .) **$4.25**



Front Rear

Illustrates one side ONLY

Touring

4K7776—Models [illegible] incl.) SET (4 pcs)
4K7777—Models 1923-25 incl) **$6.00**

TOP "RE-KOVER"

Wedford Glover "Rekover," slips on over old top and cover, 40 oz. long grain heavy rubber-coated duck covering. 1 in carton.

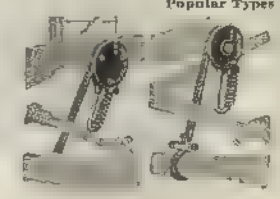
	Each
4K7790—Ford coupes 1920-1927	**$5.00**
4K7791—Fordor Sedan 1924-27	**6.67**
4K7792—Tudor Sedan 1924-27	**6.67**

CURTAIN CELLULOID

4K8923—No. 12½, 20 x 50, heavy, clear, transparent first class, for replacing broken curtain lights. 1 sheet in roll. Sheet **$1.00**

REBOUND ABSORBERS

Popular Types for All Fords



Front Rear

4K8510—Rebound checks take the jolts and jars out of rough roads, eliminate side sway, easily installed. 1 set of 4 in carton . . . . . SET (4 pcs) **$8.95**

4K8487—Each 3-point control, adjustable to either balloon or high pressure tires, easily installed, no wearing parts, practically no lubrication. Retail $18.50. 1 set in carton . . . . SET (3 pcs) **$9.80**

ACCESSORIES for FORDS

TIMERS FOR FORDS

4K9052 — "Delta" practically a duplicate of the regular Ford timer. Fully guaranteed. 1 in carton. Each **50c**

4K9048—"J & L," bakelite case, copper inserts molded into ring, enclosed wires, positively protected flexible metal conduit, shortproof construction throughout, guaranteed. 1 in carton. Each **$1.80**

"MILWAUKEE" TIMERS AND TIMING SYSTEMS

Nationally known and fully guaranteed

Timer—Bakelite case, bone-hard fiber race, thick alloy steel contacts, precision built brass assembly, bronze cast face, alloy steel rollers, handy oil cup.

4K9073—(Mfrs. 700) 1 in carton . . Each **$1.44**
10 or more, Each **1.32**
25 or more, Each **1.26**

Timer—Oil-less, wipe and break principle, hardened steel cam bearing, Tungsten points, spring steel arms, no oiling or cleaning.

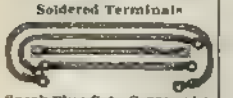
4K9076—(Mfrs. 200) 1 in carton . . Each **$1.88**
10 or more, Each **1.82**
25 or more, Each **1.74**

Timing System—Attached without change in present equipment, accurate, operates on magneto or battery, bronze bearings, Tungsten points, spring steel contact arms, 4 standard coils. 1 in carton.

4K9077—(Mfrs. 300) For 1925 and earlier model Fords.
Each **$7.20**
10 or more, Each **6.60**
25 or more, Each **6.30**

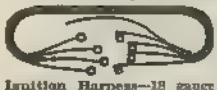
WIRING OUTFITS

Soldered Terminals



Spark Plug Set—Copper wire, braided cover, copper terminals. 1 set in pkg.

4K9390—4 wire set. Set **16c**
50 sets or more, Set **15c**



Ignition Harness—18 gauge copper wire, rubber insulated braided cover, vulcanized corrugated cords, copper terminals, oil and waterproof. 1 set in pkg.

4K9389—5 wires for Ford with electric lights. Set **35c**
10 sets or more, Set **33c**

4K9392—6 wires, for Fords with electric lights and starter. Set **38c**
10 sets or more, Set **36c**

4K9394—7 wires, for Fords with starter. . . . Set **50c**
10 sets or more, Set **48c**

"K-W" COIL

4K9751 For all Fords or Fordson tractors, hard wood brass connections. "K-W" tungsten points and springs. 1 in pkg. . Each **$1.25**

"DELCO" IGNITION FOR FORDS

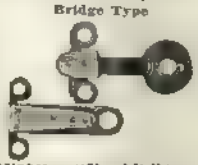
4K9812—"Delco" gives slower speed traffic and greater speed in the open, makes starting easier and better, makes lights brighter, keeps plugs clean, easily installed. Without coil. 1 in carton. Each **$8.45**

Delco Coil

4K9813 Coil for use with 4K9812. Each **$3.25**

CONTACTS

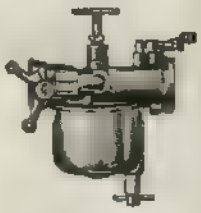
Bridge Type



4K9745 — "Shurhit," tungsten points and springs, fits all Fords. 4 pairs in pkg.
Pair **8c**

4K9748 — "K-W," tungsten points and springs, fits all Fords. 1 pair in carton.
Pair **12c**

"HOLLEY" CARBURETOR

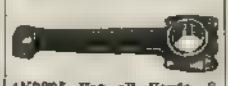


4K9247—"Holley," for all Fords, model N. H., few moving parts, quick acceleration and saves in fuel consumption. 1 in box.
Each Out

ELECTRIC HEAD LAMP

4K8322—9 in. diam., drawn steel black enameled silvered reflector with 6 volt, 21 c.p. Mazda bulb. 1 pair in box.
Pair **$3.85**

CONNECTING ROD



4K9805—For all Fords, 2-piece forging, fine carbon steel, mechanically correct. 1 in carton. Each **84c**

"FULTON" ACCELERATOR

4K8555—"Fulton," all metal parts nickel plated, all black rubber pad pedal, easily installed. 1 in carton. Each **65c**

"BULL DOG" ACCELERATOR

4K8554—Universal type, for all Ford cars, positive adjustment to any carburetor, lacquered pedal gives positive action. 1 complete in carton. Each **55c**

FLOOR CARPETS

For Fords, heavy first quality reinforced felt, soft and durable, well sewed, dark color combination, will not easily soil

	Each
4K7980—Coupe, 1917-23 4K7981 Coupe, 1924-25	$1.60
4K7983—Tudor sedan, 1917-23 4K7984—Tudor sedan, 1924-25	$3.10
4K7986—Fordor sedan, 1924-25	$2.60

WATER PUMPS

"Milwaukee" For Fords, bronze bearings, bronze impeller, long stuffing box, with fan belt, guaranteed. 1 in carton.

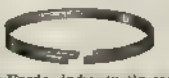
4K9190—For 1925 and earlier models

4K8191—For '26-'27 models
Each **$2.94**

OIL FILTER

4K9082—"Niagara," catches any dirt, carbon, lint, etc., from oil which passes through filter every few miles. It fits under the cap, and can easily be installed. 1 in pkg.
Each **$1.95**

OIL GROOVE PISTON RINGS

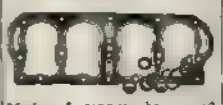


For Fords, high quality cast, inside scale process, concentric, equal wall tension, turned surface, scientific oil groove. 1 doz. in carton.

4K7931	3¼ x ¼	.005 oversize
4K7933	3¼ x ¼	.010 "
4K7934	3¼ x ¼	.025 "
4K7935	3¼ x ¼	.025 "
4K7937	3¼ x ¼	.0025 "
4K7936	3¼ x ¼	.031 "

Doz **95c**

"VICTOR GASKETS"

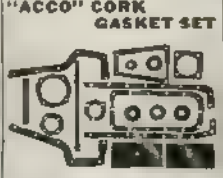


Made of copper, brass and asbestos.

4K9724—Cylinder head gasket only. 3 in pkg.
Each **22c**

4K9729—Cylinder head gasket, inlet and exhaust pipe gaskets and transmission drain plug gaskets. 1 set in pkg.
Set **33c**

"ACCO" CORK GASKET SET



Pressed cork, practical, durable, 14 pieces in set. 1 set in box.

4K8582—For 1925 and earlier Fords.

4K8583—For '26-'27 Fords.
SET (14 pcs) **25c**

TRANSMISSION LINING BELTS

"Leader"—Long cotton interwoven fabric, treated to resist burning and glazing. 1 set in box.

4K9125—For 1925 and earlier models . . . . . Set **35c**

"Scandinavia"—Long staple cotton interwoven fabric, specially hardened to resist heat, oil and grit. 1 set in box.

4K9129—For 1925 and earlier models Set **$1.30**

FAN BELTS

Selected fabric, specially treated to resist water, oil, heat and wear, will not ravel, stretch or break, guaranteed. 1 in pkg.

4K8800—1917-20 Fords
Each **15c**

4K8801—1921-25 Fords.
Each **15c**

4K8802—1926 Fords
Each **18c**

STEERING WHEEL

4K8528—For all Fords, 17 in., corrugated rim, polygon shape, hand rubbed gumwood rim, aluminum spider. 1 in pkg. . . . . Each Out

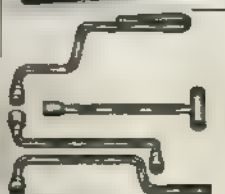
HORN BUTTON

4K9044—Replaces nut on top of Ford steering wheel. 1 in box . . Each **25c**
10 or more, Each **23c**

STEEL TOOL BOX

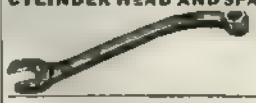
4K8295—22 in. long, 9 in. wide, 7 in. deep, heavy sheet steel, black enamel (baked on), electrically welded seams, [illegible], 2 sure close hasps. 1 in carton. Each **$1.38**

WRENCH SET



4K8175—5 piece set, nickeled steel, made especially for Fords, fit every nut and bolt, ⅜, ⅜, ½, ⅝ and ¾ in. sockets, ratchet wrench for transmission band, guaranteed. 1 set in box.
SET (5 pcs) **$1.25**

CYLINDER HEAD AND SPARK PLUG WRENCH



4K8174—Drop forged, natural finish, guaranteed. 1 in box.
Each **20c**

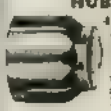
"AC" SPEEDOMETERS

High grade magnetic, fully jeweled, registers 70 miles per hour, 100,000 mile total and 100 mile trip, black face white figures, nickeled rim, with equipment. 1 in box.

4K8670—Models to 1925

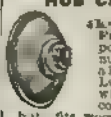
4K8671 26-'27 model.
Each **$7.00**

HUB CAP



4K8817 Heavy gauge nickel plated brass. For all Ford cars and trucks 1920 and earlier. 1 doz. in pkg.
Doz **85c**

HUB CAP SET



4K8415—For all Fords, 4 highly polished aluminum flanges, 4 aluminum De Luxe hub caps with red ends, conservative Ford hub fits wood, wire or disc wheels. 1 complete set in carton. SET (9 pcs) **85c**

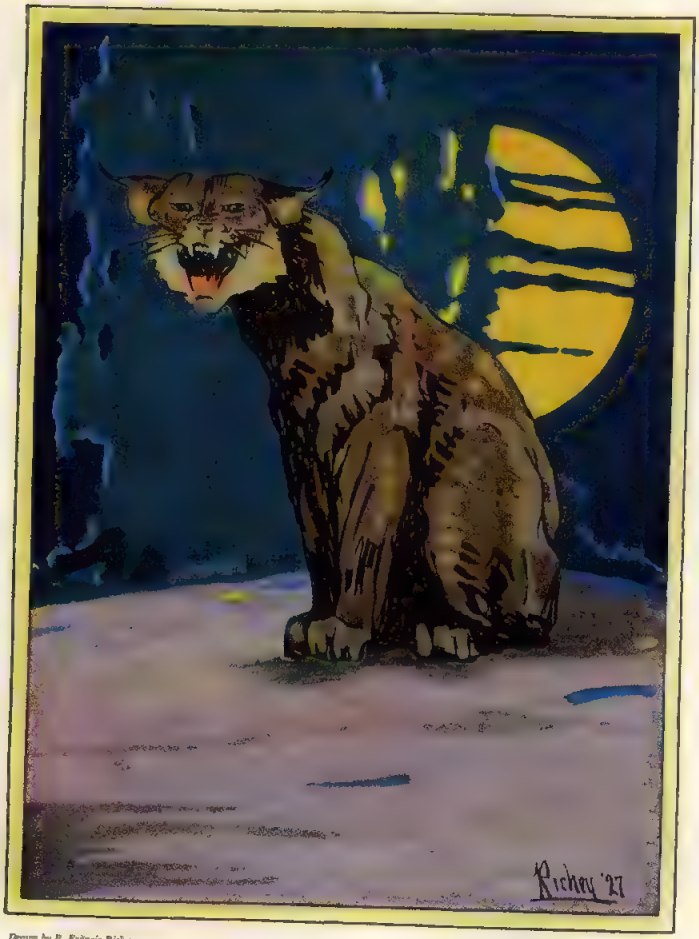
"JUMBO" WHEEL PULLER

4K8418—For all Fords, collapsible item, has 4 enameled. 1 in pkg.
Each **45c**

BRAKE LINERS

4K9440—For 1917-25 incl. Fords, 1 pc., unlined gray iron, sand blasted and ground with springs. 1 pair in box.
Pair **45c**
12 pairs or more, Pair **40c**

Make BIG PROFITS Selling "SHERIDON" TIRES
Write
H. I. Caryl for details



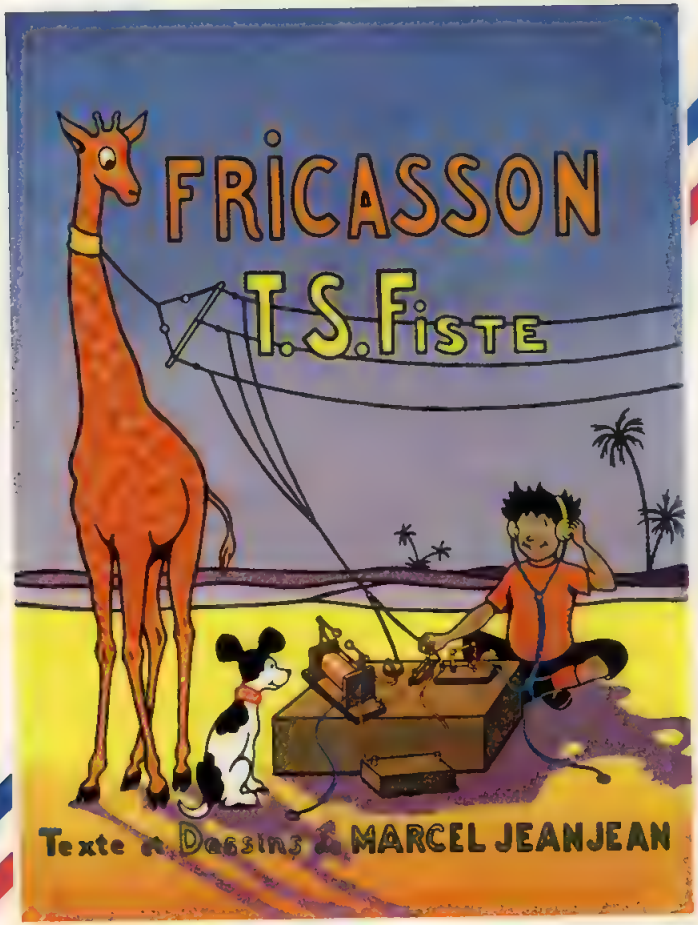
Drawn by R. Frâncis Richey

133 Screen Halftone and Three Benday Plates on Zinc

A COLLEGE ANNUAL ILLUSTRATION

Reproduced from Opaque Water Color drawing. Separate Crayon drawing was made from each color augmented by Benday tints

Engraved by BUSH-KREBS COMPANY, LOUISVILLE, KY.

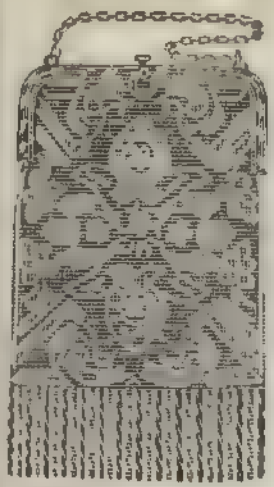


Design by M. Jeanjean *Four Color Gravure Plates on Zinc* *Courtesy of Librairie Arcade Quillet*

A FRENCH CARTOON ADVERTISEMENT

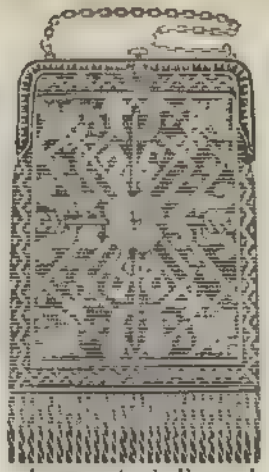
Engraved by ANCIENS ETABLISSEMENTS GILLOT, PARIS

French Steel-Cut Beaded Bags



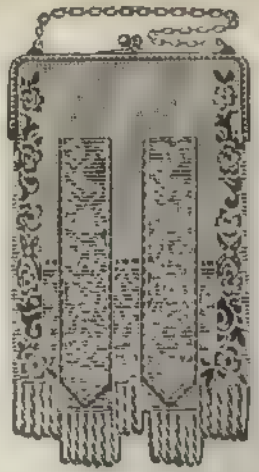
Imported French Beaded Bag, hand made with small beads of steel finish, on gold background with floral and scroll design. Steel frame with ornamental top, gilt frame, purse silk lined; double chain handle with gilt frame. Steel bead fringe to match. Width 6 inches, length 7½ inches.

No. 85J327.
Each 18.50



Imported French Beaded Bag, hand made with small beads of uniform size and shape, with floral background with scroll in blue and silver, outlined in black. Silk lined; double chain handle with gilt frame. Steel bead fringe to match. Width 5¾ inches, length 8¼ inches.

No. 85J328.
Each 19.75

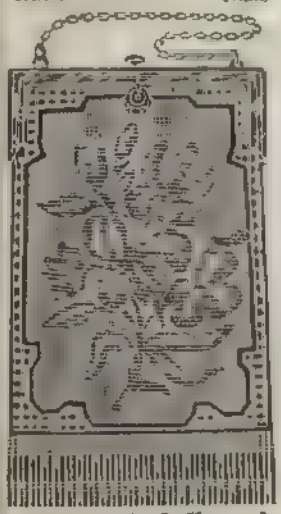


Imported French Beaded Bag, hand made with small beads of uniform size and shape, silver background with floral and scroll design, scalloped bottom; silk lined; double chain handle and gilt frame. Width 5⅝ inches, length 8 inches.

No. 85J329.
Each 19.75

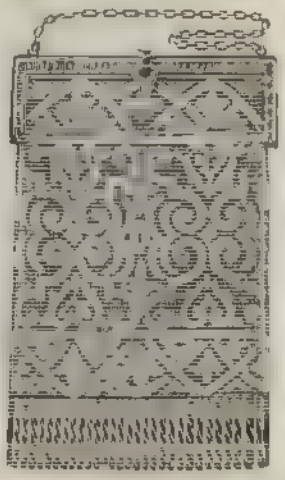
Imported French Beaded Bag, hand made with small beads of uniform size and shape, silver background with floral and scroll design, scalloped bottom; silk lined; double chain handle with gilt frame. Width 6¼ inches, length 8¾ inches.

No. 85J330.
Each 21.00



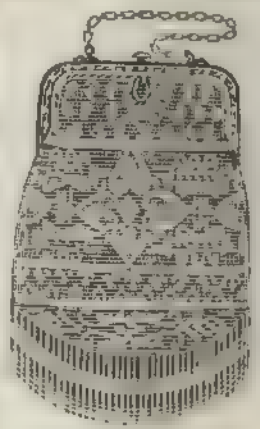
Imported French Beaded Bag, hand made with small beads of uniform size and shape, silver background with floral and scroll design, scalloped bottom, silk lined, outside ornamental corner and frame purse. Steel bead fringe to match. Fancy gilt frame with chain handle. Width 6¼ inches, length 9¼ inches.

No. 85J331.
Each 22.50



Imported French Beaded Bag, hand made with small beads of uniform size and shape, silver and gold design, with bead fringe to match. Silk lined, double chain handle, gilt frame. Width 7 inches, length 9 inches.

No. 85J332.
Each 26.50



Imported Odette French Beaded Bag, hand made of the finest steel beads in uniform size and shape. Gold and silver design with steel bead fringe to match. This beautiful style bag comes in two change purses, one silk and one of steel beads. Fancy embossed frame. Width 6¼ inches, length 8¾ inches.

No. 85J333.
Each 27.50

Imported Odette French Beaded Bag, hand made of the finest steel beads in uniform size and shape. Gold and silver design with steel bead fringe to match. This beautiful style bag comes in two change purses, one silk and one of steel beads. Fancy embossed frame. Width 6¼ inches, length 8¾ inches.

No. 85J334.
Each 47.50

Full Composition Dolls

Per Doz.

N73282—DOLL—All composition body, jointed arms and legs, dressed in white slip. Height, 9 inches. Packed one dozen in a box, not broken..... 4.20

Per doz.

N73288—FULL COMPOSITION BABY DOLL—With painted hair and eyes, jointed arms and legs, romper dress with bonnets. Length, 9 inches. Packed one dozen in a box, not broken..... 9.00

Per doz.

N73289—TOPSY NEGRO DOLL All composition jointed arms and legs with three braids and painted eyes. Length, 8 inches. Packed one dozen in a box, not broken..... 10.50

N73290—BABY DOLL—Composition body, head and limbs, sleeping eyes, dressed in bright colored wool play suit. Length, 7 inches. Packed one dozen in a box, not broken..... 12.00

Per Doz.

N73291—NEGRO DOLL With composition head, jointed composition arms, stuffed body and legs, romper dress, shoes and stockings, three woolly braids and painted eyes. Length, 15 inches. Packed 6 dozen in a box, not broken..... 18.00

N73292—BOTTLE BABY—Composition head and shoulders and full cloth sateen arms. Hand is formed to hold glass nursing bottle. Height, 13 inches. 6 dozen in a box, not broken..... 17 50

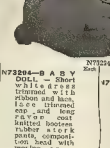
Mama Doll

Each

N73261—DOLL WITH MAMA VOICE—Wig. Moving eyes with eyelashes, composition head, arms and legs. Lace trimmed crepe dress with cap to match. Fancy shoes and stockings. Height, 21 inches. Packed one in a box..... 4.00

Mama Dolls

N73293



N73294

N73297

N73298-N73299

N73295

Each

N73293—BABY DOLL Short white dress trimmed with ribbon and lace, lace trimmed cap, and lace trimmed coat. Short pants, knitted booties, composition head with moving eyes, composition hands and legs. Length, 15 inches. Packed one in a box..... 3.50

Each

N73294—BABY DOLL — Short white dress trimmed with ribbon and lace, lace trimmed cap, and lace trimmed coat. Short pants, knitted booties, rubber waterproof pants, composition head with moving eyes, composition hands and legs. Length, 15 inches. Packed one in a box..... 4 50

Each

N73297—DOLL WITH MAMA VOICE—Sleeping eyes with eyelashes, composition head with wig and sateen arms and legs. Rayon dress trimmed with lace and lace trimmed cap. Height, 16 inches. Packed one in a box..... 4.80

Each

N73298—DOLL WITH MAMA VOICE—New slim leg model. Composition head, moving eyes with eyelashes, mohair wig. Lined with fancy ribbon organdie dress, shoes and stockings. Full composition arms and legs. Height, 21 inches. Packed one in a box..... 5.00

Each

N73299—DOLL WITH MAMA VOICE—Composition head, moving eyes with eyelashes, mohair wig, composition arms and legs. Height 21 inches. Packed one in a box..... 6.00

Each

N73295—DOLL WITH MAMA VOICE—Short white dress trimmed with ribbon and lace, hat trimmed cap, fancy rayon jacket rubber stock pants. Composition head, moving eyes, painted hair, full composition arms and legs. Height, 17 inches. Packed one in a box..... 6.00

Each

N73296—BABY DOLL—Crying voice. Short white dress trimmed with ribbon and lace, lace trimmed cap, rubber stock pants. Jointed bodies, composition head, moving eyes, full composition arms and legs. Height, 16 inches. Packed one in a box..... 6.00

Each

N73263—DOLL WITH MAMA VOICE—Moving eyes with eyelashes, wig, composition head, full composition arms and legs. Rayon dress trimmed with lace. Fancy shoes and stockings. Height, 21 inches. Packed one in a box..... 5.00

N73264—DOLL WITH MAMA VOICE—Human hair curly wig with sewed side part and ribbon bow. Moving eyes with eyelashes, composition head full composition arms and composition legs. Organdy dress trimmed with lace. Height, 19 inches. Packed one in a box..... 6.00

Each

N73282—DOLL WITH MAMA VOICE—With wig, moving eyes with eyelashes, composition head, arms and legs. Lace trimmed crepe dress with cap to match. Fancy stockings. Height 23 inches. Packed one in a box..... 5.50

Each

N73265—DOLL WITH MAMA VOICE—Human hair, curly wig with sewed side part and ribbon bow. Moving eyes composition head, full composition arms and composition slim legs. Rayon silk dress. Height, 25 inches. One in a box..... 8.50

Each

N73300—DOLL WITH MAMA VOICE—Composition head with open mouth showing teeth and tongue, moving eyes with eyelashes, sewed mohair wig tied with a 2-inch ribbon bow, full composition arms and legs. Rayon dress trimmed with lace, shoes and stockings..... 6.00

Dolls With Crying Voices

Per doz.

N73283—DOLL WITH CRYING VOICE—Composition head with painted hair and eyes, full composition arms, romper dress with cap. Height, 14 inches. Packed ½ dozen in a box, not broken. 12.00

Per doz.

N73271—DOLL WITH CRYING VOICE—Two-piece dress trimmed with lace, cap to match, shoes and stockings, composition head and hands, painted hair and eyes. Height 16 inches. Packed one in a box. 16.50

Each

N73285—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, composition head and hands, painted hair and eyes, shoes and stockings. Composition feet and legs. Height 15 inches. Packed one in a box. 1.50

N73286—DOLL WITH CRYING VOICE—Same as N73285. Height, 16 inches. Packed one in a box... 2.00

N73287—DOLL WITH CRYING VOICE—Same as N73285. Height, 18½ inches. Packed one in a box... 2.50

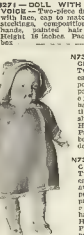
N73288—DOLL WITH CRYING VOICE—Same as N73285. Height, 21½ inches. Packed one in a box... 3.50

Each

N73272—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, composition head, composition legs and arms, painted hair and eyes, shoes and stockings. Height, 19 inches. Packed one in a box 2.00

Per doz.

N73270—DOLL WITH CRYING VOICE—Composition head, full composition arms, painted hair and eyes, two-piece dress with lace trimming cap to match. Height, 13 inches. Packed ½ dozen in a box, not broken 8.00



N73261 DOLL WITH CRYING VOICE—Two-piece dress with cap to match composition head with painted hair and eyes, composition hands and feet and legs. Height, 15 inches. Packed ½ dozen in a box, not broken. Per doz. 16.00

Each

N73269—DOLL WITH CRYING VOICE—Wig, moving eyes, composition head, arms and legs. Two piece dress with cap to match. Shoes and stockings. Height, 14 inches. Packed one in a box 2.00

N73260—DOLL WITH CRYING VOICE—Same as N73269. Height, 18 inches. Packed one in a box 3.00

Each

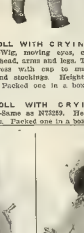
N73273—DOLL WITH CRYING VOICE—Pretty novelty dress, children's pattern, lace trimmed with cap to match. Composition head with wig and painted eyes, composition hands and legs, shoes and stockings. Height, 18½ inches. Packed one in a box 2.50

N73282—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, shoes and stockings, composition head with painted hair and eyes, composition hands and legs. Height, 21 inches. Packed ½ dozen in a box, not broken..... 24.00

Per doz.

N73263—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, shoes and stockings, composition head with painted hair and eyes, composition hands and legs. Height, 18 inches. Packed ½ dozen in a box, not broken..... 12.00

N73264—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, shoes and stockings, composition head with painted hair and eyes, composition hands, feet and legs. Height, 21 inches. Packed one in a box 2.50

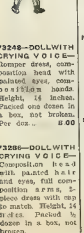


Each

N73275—DOLL WITH CRYING VOICE—Cotton stuffed body, moving eyes with eyelashes, mohair wig, composition head with open mouth showing teeth, full composition arms and composition legs, shoes and stockings. Colored organdy dress daintily trimmed with lace and cap to match. Height, 20 inches. Packed one in a box 5.00

Each

N73276—DOLL WITH CRYING VOICE—Cotton stuffed body, moving eyes with eyelashes, mohair wig, composition head with open mouth showing teeth, full composition arms and composition legs, shoes and stockings. Colored organdy dress daintily trimmed with lace and cap to match. Height, 20 inches. Packed one in a box... 5.00



N73248—DOLL WITH CRYING VOICE—Romper dress, composition head with painted eyes, composition hands. Height, 14 inches. Packed one dozen in a box, not broken. Per doz. 12.00

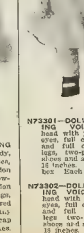
N73249—DOLL WITH CRYING VOICE—Two-piece dress with cap to match, shoes and stockings, composition head with painted hair and eyes, composition hands. Height, 17 inches. Packed ½ dozen in a box, not broken. Per doz. 16.00

N73287—DOLL WITH CRYING VOICE—Large composition head with painted hair and eyes, full composition arms, patent shoes, two piece dress with cap to match. Height, 24 inches. Packed ½ dozen in a box, not broken. Per doz. 16.00

N73280—DOLL WITH CRYING VOICE—Same as N73249, only 19 inches in height. Packed ½ dozen in a box, not broken. Per doz. 17.00

N73274—DOLL WITH CRYING VOICE—Strong eyes with eyelashes, mohair wig, composition head, composition arms and legs, shoes and stockings. Novelty colored organdy dress trimmed with lace and buttons, cap to match. Height, 24 inches Packed one in a box Each 5.00

N73278—DOLL WITH CRYING VOICE—Cotton stuffed body, moving eyes with eyelashes, mohair wig, composition head with open mouth showing teeth, full composition arms and composition legs, shoes and stockings. Colored organdy dress daintily trimmed with lace and cap to match. Height, 20 inches. Packed one in a box... 5.00



N73301—DOLL WITH CRYING VOICE—Composition head with painted hair and eyes, full composition arms and full composition slim legs, two-piece dress and shoes and stockings. Height 16 inches. Packed one in a box Each 2.25

N73302—DOLL WITH CRYING VOICE—Composition head with painted hair and eyes, full composition arms and full composition legs, two-piece dress and shoes and stockings. Height, 18 inches. Packed one in a box. Each 2.00

GALVANIZED WELL BUCKETS

Hibbard red banded, well, 26 gauge iron, galvanized.

Full Half-Dozen Bundles

Nos.	H102	H122
Quarts	10	12
W't per doz., lbs.	36	42
Per dozen	$12.75	13.90

Less Than Bundles

Nos.	HH102	HH122
Per dozen	$12.75	13.90

Capacity 8 qts., w't per doz. 24 lbs.

No. H101—Full half dozen bundles, per dozen $7.20

No. HH101—Less than bundles, per dozen $7.20

GALVANIZED STOCK PAILS

Hot dipped.

Full Half Dozen Bundles.

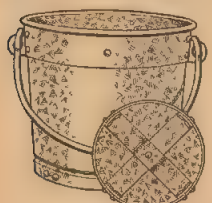
Nos.	H608	H616	H618
Quarts	8	16	18
Size, in.	10¼×7¼	13¾×9⅛	14½×9½
W't, doz., lbs.	25	35	39
Per dozen	$7.75	10.00	11.45

Less Than Bundles.

Nos.	HH608	HH616	HH618
Per dozen	$7.75	10.00	11.45

Note—No. 608 are for calves

GALVANIZED CEMENT PAILS



14 qt., 26 ga. galvd. after made, wing eared, with 2×¾ in. top hoop and 1¼×¾ in. steel bottom brace welded.

WITH TOP HOOP

W't per doz. 100 lbs.

No. H1147—Full half dozen bundles, per dozen $28.35

No. HH1147—Less than bundles, per dozen $28.35

WITHOUT TOP HOOP

W't per doz. 80 lbs.

No. H147—Full half dozen bundles, per dozen $25.35

No. HH147—Less than bundles, per dozen $25.35

GALVANIZED FIRE PAILS

Round bottom, lettered for fire only. Either plain galvanized or painted red outside.

12 Qt., 10¼×10¾ In., W't Per Doz. 22 Lbs.

Galvanized

No. H212—Full half dozen bundles, per dozen $8.90

No. HH212—Less than bundles, per dozen $8.90

Red.

No. H212R—Full half dozen bundles, per dozen $10 00

No. HH212R—Less than bundles, per dozen $10.00

Conical, lettered for fire. Either plain galvanized or painted red outside.

14 Qt., Size 13¾ in. tall × 15¾ in. wide

W't Per Doz. 23 Lbs.

GALVANIZED

No. F213—Full one dozen bundles, per dozen★ $11.90

Red.

No. F213R—Full one dozen bundles, per dozen★ $13.35

★Items Marked Thus ★ Are Shipped From Factory Only

"LONA"-DOLLS

A. SCHMIDT DRESDEN-A

10 Annen Str. GERMANY

Founded 1894

Manufacturer of Guaranteed
UNBREAKABLE and WASHABLE

LONA ART DOLLS

In first-class models only, best quality of hand-work, unusually low prices. A trial of my goods will certainly pay you. Ask for my catalog.

Sample collection sent by registered mail upon receipt of $19.50, containing eleven different "LONA" Art Dolls, each 14 inches tall, excepting one, which is 15½ inches tall.

"LONA"-DOLLS

Manufacturers of Miniature Dolls and Dolls for Doll Houses

CARL HORN NACHF

58 Pirnaische Str.

DRESDEN—A.1. GERMANY

We offer a very extensive collection of assorted dressed dolls, measuring from 1¼ to 3½ inches high, in attractive finish and best quality.

For the purpose of greater distribution of our articles, we have assembled a well assorted sample collection of 120 pieces of our miniature dolls, which we will ship, post free, upon receipt of your remittance for $10.00.

Make a trial and convince yourself.

MUNICH PLAYTHINGS
CHRISTMAS TREE ORNAMENTS
Carved wood and artistically painted four different assortments.
Six figures packed in a box per dozen boxes - Doll. 18—35
Price of a sample assortment Doll. 5.00
WOODEN COAT HANGERS
for children and dolls
Price of a sample assortment Doll. 3.00
Our SAVING BOXES
ASK FOR SAMPLES
Price of a complete sample assortment Doll. 10.00

Münchener Kunst und Handwerk G.M.B.H.

MÜNCHEN GERMANY 8 BAUMSTRASSE 8

At Leipzig Fair: Zentralmessepalast III. floor

GLASS CHRISTMAS TREE ORNAMENTS

DELIVERED AT FAVORABLE PRICES

WILHELM ELBEL, Halle a/s, Herren St. 26

GERMANY

A large and well assorted sample collection of all the leading items will be sent post-free upon receipt of $5.00.

CONVINCE YOURSELF

MUSICAL TOYS

Factory

ERNST A. SINGER

Graslitz (Czechoslovakia)

Cable Address: Singer 188 Graslitz

AT LEIPZIG FAIR

Messhaus "Reichkanzler" Peterstrasse 20

11 Obergeschoss, Zimmer No. 602

Halloween Toys—Popguns, Clarinets, Saxophones, Wooden and Tin Trumpets, Trick Toys, Banjos, Guitars, Mandolins, Wooden Violins, Revolving Music-Boxes, Accordions and Concertinas, Zithers.

Oskar Köhler sen

Christbaumschmuck Fabrik

Steinheid i/Thür

Germany

GLASS CHRISTMAS TREE ORNAMENTS

Finest Quality

Lowest Prices

ALFRED PENSKY

MINIATURE DOLL FACTORY

COBURG 5, GERMANY

	Per Doz.
China Miniature Dolls, Dressed, from	$0.20
Newborn Babies, Tied in Blanket, from	$0.35 to $3.50
Furnished Baskets and Cradles, from	.40
Bathing Girls, from	2.75
Pin Cushions	.60

Leipzig Fair: Neumarkt 20-22/11, Room 44

BRAZING SPELTER.

The composition of this brazing spelter is identical with that specified by the Government and other large consumers. The grain is fine and round; the spelter fuses at low heat, and gives permanent results.

1 Lb. Cans.....Each $1 00

BRAZING COMPOUND.

SUPERIOR.

Brazing can be made a simple operation provided a good flux like Superior is used to clean and protect the work. Superior fuses easily at low heat and enables the spelter to take hold without danger of burning. Because of its effectiveness, only a small quantity is required on a job, leaving but little scale, and that can be readily cleaned off.

1 Lb. Cans.....Each $1 00

BRAZING WIRE.

For heavy work, brazing metal in wire form is most economical and convenient; flows at moderate heat, producing a clean, smooth, strong, solid job. Furnished in 10-gauge—about ⅛ inch diameter—in rolls weighing approximately 40 pounds.

10 Gauge. ... .Pound $1 00

AIR AND WATER STANDS.

CURTIS.

No. 20.

No. 21.

Curtis air stand is furnished in either the column or low type. The hose is automatically stored on a drum protected from sun and rain. No oil checks, no counter weights, no clock springs, no swaying trolley poles, no hose to whip or blow where it is dangerous to the glass, paint or windshield of a car.

No. 20. With hose complete. Height, 6 ft. 3 ins. Wt. 210 lbs..Each **$100 00**

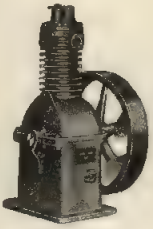
No. 20. With water connection .....Each **$105 00**

No. 21. With hose complete. Height, 3 ft. 3 ins.....Each **$100 00**

No. 21. With water connection .....Each **$105 00**

AIR COMPRESSORS.

CURTIS.



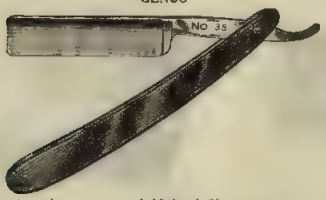
OIL FREE AIR. PLATE VALVES. INCLOSED CRANKCASE.

We suggest that compressors with the centrifugal unloaders be used on all automatic installations, the centrifugal unloaders insure easy starting and protection in case of low voltage or a loose belt. The No. 4 compressor is the most popular when used with gas engine. Use single stage compressors for pressures up to 125 pounds, two stages for higher pressures. We can also supply water cooled machines of any capacity.

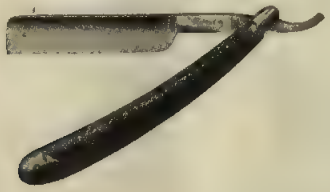
	Compressor Number.					
Size	1	2	3	4	5	2 Stage
Bore and Stroke.....	1⅝x2	2⅛x2½	2½x3	3x3½	4½x4½	1⅝x⅞x3½
Minimum Speed	500	400	350	300	250	200
Maximum Speed	700	600	550	500	400	550
Usual Motor H. P.....	¼	½	¾	1 to 1½	3 to 5	1 to 2
Usual Eng. H. P..... ...		1	1½	1¾	3 to 5	3
Max. Cu. Ft. per Min....	1.68	2.70	4.70	7.20	16.5	6.6
Pulley size	9x1¾	11x2⅛	12x2½	14x2⅝	18x4½	18x2⅝
Usual Belt Size.....	1	1½	2	2½	4	2½
Maximum Pressure	150	150	150	150	150	200
Shipping wt., lbs.....	50	80	100	130	350	175
Compressor. Each.....$	35 00	40 00	55 00	65 00	125 00	125 00
With Centrifugal Unloader. Each	54 00	64 00	80 00	90 00	165 00	165 00

STRAIGHT BLADE RAZORS

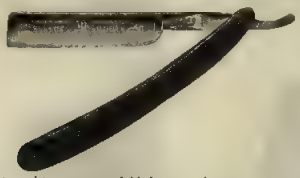
GENCO



Highest quality razor steel blade; half-concave ground, highly polished finish, flat black rubberoid handle with beveled edge.
No. 35SP Square point. Width of blade, ⅝ inches . . . . . .Per Dozen, **$19.20**



Highest quality razor steel blade, half concave ground with stiff bevel, finely polished finish; oval imitation ebony handle with metal tips
Heavy S. P. Square point. Width of blade, ⅝ inches. . . . . .Per Dozen **$32.00**



Highest quality razor steel blade, special concave ground, highly polished finish with gold etching; flat heavy back vulcanized rubber handle with beveled edges.
Master Cutler S. P. Square point. Width of blade, ⅝ inches. . . . . .Per Dozen, **$36.00**

Highest quality razor steel blade, special concave ground with forged oval tang, Genco colo spotless finish, oval imitation ivory handle with metal tips.

Width of Blade, Inches	⅝	¾
Grant S. P. Square point.....Per Dozen.	**$36.00**	**36.00**
Grant R. P. Round point.....Per Dozen.	**36.00**	. . .

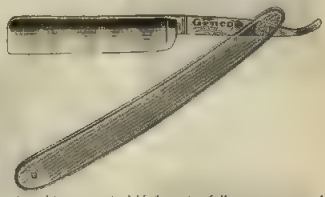
All the Above, One Twelfth Dozen in a Box.
One-Half Dozen in a Box.

GENCO

Highest quality razor steel blade, special concave ground, highly polished finish; flat imitation ivory handle, with beveled edge and square ends

Width of Blade, Inches.....	½	⅝
Master Barber S. P. Square point....Per Dozen,	**$40.00**	**40.00**

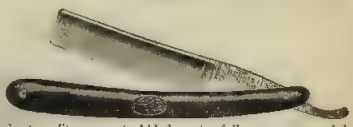
Highest quality razor steel blade, extra full concave ground, special forged shoulder, extra fine polished finish; highly colored oval imitation oak handle with metal ornaments
Old Dutch S. P. Square point. Width of blade, ⅝ inches.. . . . .Per Dozen **$48.00**



Highest quality razor steel blade, extra full concave ground, highly polished finish, back and tang are heavily gold plated; flat transparent amber handle with beveled edges and round ends.

Width of Blade, Inches.....	½	⅝	¾
Gold Seal S. P. Square Point.....Per Dozen,	**$48.00**	**48.00**	**48.00**
Gold Seal R. P. Round Point.....Per Dozen.	**48.00**	..	..

BOKER



Highest quality razor steel blade, extra full concave ground, highly polished finish. Oval heavy black vulcanized rubber handle.

No.	100	101
Style of Point	Square	Square
Width of Blade, Inches	½	⅝
Per Dozen	**$50.00**	**60.00**

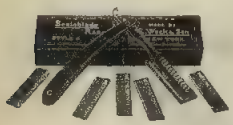
All the Above, One-Twelfth Dozen in a Box.
One-Half Dozen in a Box.

SAFETY RAZORS AND BLADES

SEXTOBLADE RAZORS

No. AA Highly polished nickel silver blade holder and detachable guard, black rubber handle, gymped tang, complete with 5 blades in plain case ..... Each **$2.50**

One in a Box



No. A Highly polished nickel silver blade holder and detachable guard, black rubber handle, gymped tang, complete with 6 blades in a plain case..... Each **$3.00**

One in a Box

No. B Highly polished nickel silver blade holder and detachable guard, white celluloid handle, gymped tang, complete with 7 blades in a 7 day leather case..... Each. **$3.50**

One in a Box

Highly polished nickel silver blade holder and detachable guard, white celluloid handle, gymped tang Complete with 6 blades in leather folding case

No. CP Pigskin leather case Each. **$4.50**
No. CR Black leather case Each **4.50**

One in a Box

SEXTOBLADE STROPS

Sextoblade cushion strop, Russia leather.
No. 209 Size, 10¼x1¾ inches. Each. **$1.00**

Six in a Box

SEXTOBLADE HONING OUTFITS

Honing outfit consisting of tempered steel blade holder and Sextoblade hone in a neat box.

Honing Outfit..... Each, **$1.50**

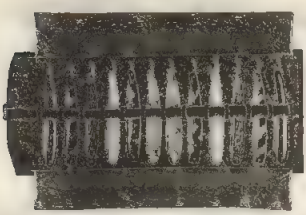
One in a Box

SEXTOBLADES

Highest quality razor steel with reinforced back Will fit all models of Sextoblade razors

Sextoblades Put up 3 blades in a package.. .. .. .

"GENCO" Razor Assortment



Consisting of Two Genco Razors each, of Six Patterns, Ten Square Point, Two Round Point.

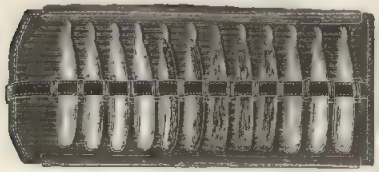
	Retail Value Each
603—Henry X, Black Handle, ⅝ Square Pt	$2 00
600—Henry X X X, Smoked Pearl Handle, ⅝ Sq. Pt.	3 00
626—Heavy Oval Black Handle Fancy Tips, ⅝ Square Point	2 50
620—Heavy Oval Black Handle, Fancy Tips, ⅝ Round Point	2.50
619—Grant, Oval White Handle, Fancy Tips, ⅝ Sq. Point ..	3 00
612—DeRoma, Oval White Handle, ⅝ Square Point	3.50
Total Retail Value	$33.00

One Dozen in a Leather Back, Flannel Lined Roll.

Per Roll

No. 1000 —One dozen razors in a roll . . . . . .

This is a very Good Assortment of High-grade, Assorted ⅝ Inch Fancy Square Poin Handle Razors, Concave Blades.



No. 55R — Including Razor and Roll

One dozen in a Roll

Per Dozen

No. 55 Car.....

Half a dozen in a box

GENCO RAZORS

Vanadium

⅝ Inch Wide Blade, Forged from Vanadium Alloy Steel of Special Formula. One of the most Popular Numbers of Known Razors. For those who desire a Tough, Lasting Edge. Polish is Exceptionally Durable.

Blade Ground Full Concave. Flat Imitation Tortoise Shell Handle, with Beveled Edges and Square Ends. Per Dozen

No. 606—⅝ Inch Blade Square Point.

One in a Box

Gold Seal

American Make of High Quality Blade Made of Best Razor Steel. Full Concave Blade. Gold Celluloid Handle. Quill Tang and Back of Blade. Per Dozen

No. 618—⅝ In. Sq. Point . . .

RAZOR HONES

LaRose Belgian

Combination Oil or Water Blue or White Color These Hones are of Soft and Even Grit, and of Exceptional Good Value. Per Dozen

No. 207—7 x 1½ Ins . . . . . One in a box; half dozen in a carton.

GENCO RAZORS

Henry X

Concave File Tang, Flat Back Rubber Handle

Per Dozen

No. 603—⅝ In. Blade, Honed Point . .

Heavy

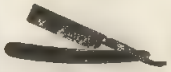
Concave Oval Ebony Handles Metal Tips.

Per Dozen

No. 626—⅝ In Blade, Round Point . . . . . .

No. 625—⅝ In. Blade, Honed Point . .

Supplee-Biddle Red Chieftain



Red Celluloid Handle ⅝ Concave File Tang.

Per Dozen

No. 128—⅝ In. Blade, Honed Point . . . . . .

RAZOR HANDLES

Hard Rubber

Per Dozen

No. 1—Round, Sizes ⅝, ¾ and ⅞ Inches . . . . . .

No. 2—Flat, Sizes ⅝, ¾. . .

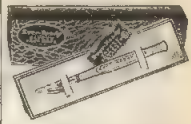
RAZOR GUARDS

Makes Injury Impossible Quickly Adjustable to Any Width Blade and Changeable from Right to Left Nickel Plated.

Per Dozen

No. Shavesy ....

EVER-READY SAFETY CORN RAZOR



Same Principle as the Safety Razor Thin Blade Metal Guard Nickel Plated Two Blades with Each Razor White Ivoroy Handle.

Per Dozen

No. 560 . . . . . .

One in a box one dozen in display box.

GILLETTE SAFETY RAZORS

Bostonian

The Most Improved Gillette Safety Razor

Triple Silver Plated Metal Case Purple Velveteen Lined and Satin Trimmed Cover Adjustable Tray Cover Holding Razor and Blade Box. Nickel Plated Metal Blade Box

Per Set

No. A503 . . .

Gold Plated on Copper Plated Handles Lid Closes Tight Satin Lined Fronts of Trays Nickel Plated Brass Trimmings

Per Set

No. A503G

Traveler

The Most Improved Gillette Safety Razor

Nickel Plated Metal Case Purple Velveteen Lined Cover Pebble Grained Seal Grain Leather Cover Purple Velveteen Lined Metal Blade Box

Per Set

No. A510 . . . . . .

Same Style as Above Except Gold Plated Indestructible Metal Mirror Fitted into Pocket in Cover.

Per Set

No. A510G . . .

Trickaway

The Most Improved Gillette Safety Razor

Triple Silver Plated Triple Silver Plated Case Purple Velveteen and Satin Lined Metal Blade Box

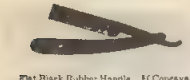
No. A504 Per Set

Gold Plated Gold Plated Case Purple Velveteen and Satin Lined Gold Plated Blade Box

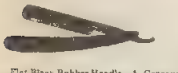
Per Set

No. A504G . . . .

RAZORS
Supplee-Biddle Raven

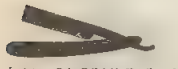


Flat Black Rubber Handle. ½ Concave. File Tang.
Per Dozen
No. 105—⅝ Inch Blade, Honed Point
No. 106—6/8 Inch Blade, Honed Point



Flat Black Rubber Handle. ½ Concave. File Tang.
Per Dozen
No. 1060—⅝ Inch Blade. Round Point.

Charter Oak



Imitation Oak Celluloid Handle. ½ Concave. File Tang.
Per Dozen
No. 116—⅝ Inch Blade, Honed Point

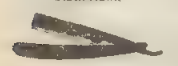
Red Chieftain

Red Celluloid Handle. ½ Concave. File Tang.
Per Dozen
No. 1280 ⅛ Inch Blade. Round Point

Admiral

Tortoise Shell Celluloid Handle. ½ Concave. File Tang.
Per Dozen
No. 125—⅝ Inch Blade, Honed Point

Black Hawk



Flat Black Rubber Handle. Full Concave. File Tang.
Per Dozen
No. 146—⅝ Inch Blade, Honed Point

Aristocrat

Pearl Celluloid Handle. Full Concave. File Tang.
Per Dozen
No. 156—⅝ Inch Blade, Honed Point

RAZORS
Supplee-Biddle Barber's Choice

Round Blade, Rubber Handle. Full Concave.
Per Dozen
No. 164 4/8 Inch Blade, Honed Point
No. 165 ⅝ Inch Blade Honed Point
No. 166—6/8 Inch Blade, Honed Point

Round Black Rubber Handle. Full Concave.
Per Dozen
No. 1650—⅝ Inch Blade. Round Point
No. 1660 6/8 Inch Blade, Round Point

Gentlemen's Favorite

Ivory Celluloid Handle, Full Concave
Per Dozen
No. 175—½ Inch Blade, Honed Point

Ivory Celluloid Handle. Full Concave
Per Dozen
No. 1750 ⅛ Inch Blade. Round Point

Our Best

Gold Celluloid Handle. Gilt Tang and Back
Per Dozen
No. 185—½ Inch Blade, Honed Point

Gold Celluloid Handle. Gilt Tang and Back.
Per Dozen
No. 1850—½ Inch Blade. Round Point

Aristocrat

Pearl Celluloid Handle. Full Concave. File Tang
Per Dozen
No. 1550—½ Inch Blade. Round Point.

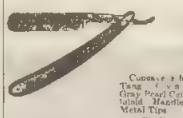
RAZORS
Genco Henry XX

Concave, Oval Shell Celluloid Handle. Metal Tips.
Per Dozen
No. 814N—⅜ Inch Blade. Round Point
No. 802N—⅜ Inch Blade Honed Point

Grant

Concave, Full Tang. Oval Celluloid Handle. Metal Tips
Per Dozen
No. 819—⅝ Inch Blade Honed Point

Henry XXX



Concave, Full Tang. Oval Gray Pearl Celluloid Handle, Metal Tips
Per Dozen
No. 801N—⅜ Inch Blade Round Point.
No. 800N—⅜ Inch Blade Honed Point
No. 805N—⅜ Inch Blade Honed Point

Seneca Chief

Concave, Oval Cocobola Celluloid Handle. Metal Tips
Per Dozen
No. 808N—⅜ Inch Blade, Round Point
No. 807N—⅜ Inch Blade, Honed Point

Worcester

Concave, Oval Black Rubber Handles File Tangs.
Per Dozen
No. 710—⅝ Inch Blade, Square Point

RAZOR
Henry's Triumph

Full Concave Oval Black Rubber Handle, Gilt Etching
Per Dozen
No. 824—⅝ Inch Blade, Honed Point

Safege

Combines Advantages of Old Style and Safety Razor Blade ⅝ Inch Wide, Full Hollow Ground, Flat White Ivory Celluloid Handle Guard Made of Metal Which Will Not Rust
Per Dozen
No. 630
One dozen in a box

De Roma

Full Concave, Oval Ivory Celluloid Handle. Square End Metal Ornaments.
Per Dozen
No. 612—⅝ Inch Blade, Square Point,
No. 616—⅝ Inch Blade, Round Point

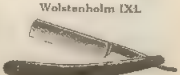
Old Dutch

Full Concave Oval Oak Celluloid Handle Square End Metal Ornament.
Per Dozen
No. 620—⅝ Inch Blade Square Point

RAZORS
Torrey

Concave Oval Black Rubber Handle. File Tangs
Per Dozen
No. 900 ⅛ Inch Blade, Square

RAZORS
Wolstenholm IXL



Black Handle, Full Concave Blade, ⅝ Inch Square Point
Per Dozen
No. 01163
Half dozen to a box.

Courtesy of Bill & Caldwell

120 Screen Four Color Process Plates

A DEALER'S CATALOG PAGE

Reproduced from Uncolored photograph. Colors constructed by the photo-engraver

Prepared and Engraved by THE ARROW ENGRAVING COMPANY, INC., NEW YORK

THE

DISTINGUISHED HUPMOBILE

EIGHT

MATCHING EVEN EUROPE'S FINE PERFECTION OF THE STRAIGHT EIGHT, IN-EFFABLY SMOOTH AT EVERY PACE, EXQUISITELY EASY TO HANDLE. HERE AT LAST THE WORD "LUXURY" MEANS MORE THAN IT HAS EVER MEANT BEFORE

BEAUTY. COLOR OPTIONS. LUXURY IN TEN ENCLOSED AND OPEN BODIES. $1945 TO $2595 F.O.B. DETROIT PLUS REVENUE TAX

IN THE FINE CAR FIELD, THE TREND IS UNDOUBTEDLY TOWARD EIGHTS

Courtesy of McManus, Incorporated

133 Screen Four Color Process Plates

A NATIONAL MAGAZINE ADVERTISEMENT

Reproduced from Water Color drawing. Combustion line and Halftone Black plate. All plates highlight halftones. "8" surprinted in Yellow and Red plates to register

Engraved by DETROIT COLORTYPE COMPANY, DETROIT

GRIFFITH TOOL ASSORTMENT

"MASTER BUILDER"

These assortments consist of a handsome chestnut case, 34 x 21 x 6 inches, wax finished, and protected by double thick glass front.

The regular assortment, which was originally designed for the Middle Eastern States, contains ¼ dozen hammers each, Nos. 745, 746, 747 and 946. Also ¼ dozen hatchets each, Nos. 316, 319, 320 and ¼ dozen hunter's axes, No. 376 The assortment may be changed by the substitution of a shingling or a lath hatchet in place of the hunter's axe.

Each

No. 1—With hunter's axe.....

No. 3—With lathing hatchet. .....

GERMANTOWN TOOL ASSORTMENT

"A"

The Above Display Board is Finished in a Waxed Mahogany and Measures 19 inches x 30 inches. There is no Charge for the Display Board, which is Included With the Assortment of ½ Dozen Each of the 8 Popular Numbers of Tools Shown above.

The Tools are Packed in ½ Dozen Cartons. Every Tool is Stamped with its Catalog Number and the Boards are Similarly Stamped where the Tools are Held in the Spring Clips. These Boards, Which Cost the Hardware Dealer Nothing, are Ideal for Window Display or for Store and Selling Use.

Assortment "A" contains the following:

½ Dozen each, Nail Hammers 21 22-23-746
½ Dozen each, Hatchets 816-320- 338-1338

Each

No. A—Assortment .....

One assortment in a carton.
Weighing about 38 lbs.

KELLY'S "FLINT EDGE" SAW SETTERS HAMMER

Drop Forged, High Grade Steel Chemical Black Finish Polished Face, All White Hickory. This is a New Practical Tool Specially Designed to Quickly, Easily and Absolutely Give the Saw Teeth Proper Set and Clearance.

Per Dozen

No. 233 .....

Half dozen in a box

"FLINT EDGE" BARRELING HATCHET

Kelly

Pattern of the Latest Improved Design with Thin Tapering Bit. Smooth Ebony Finish. Second Growth Hickory Handle Width of Cut 9¾ Inches.

Per Dozen

No. 25 .

Half dozen in a box

Liberty Bell Nail Hammers No. LB11½

No. LB11½

Regular Selling Price
Per Dozen

A Nail Hammer That is Bound to Please You.

Made of Best Cast Steel with a Good-looking White Selected Hickory Handle.

Size 1½

16 Ounce Weight Without Handle.

Adze Eye. Polished Bell Face. Rest of Hammer is the NU-BLACK Finish.

Drop Forged Nail Hammers

HAND MADE

Made by hand of Drop Forged Tool Steel. Black Forged Finish. The Face and Claw are Full Polished. Hickory Handle. Correct Balance and Grip.

Bell Face Size No. 1½

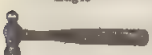
No. 1914

16 Ozs. Weight Without Handle

Regular Selling Price
Per Dozen

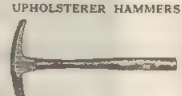
Half Dozen in a Box.

BALL PEIN AUTO HAMMER "Eagle"



Made of Hard, Tough Metal, Clear White Wood Handle Natural Finish. Weight of Head .2 Ounces. Per Doz. No 195

UPHOLSTERER HAMMERS



Cast iron head, hardwood handles Claw in head, 12 inches long. Polished
No 49A 4½ inch head Per Doz
plain handle
No. 49N. 6½ inch nickel head, turned handle
No. 49A. 5½ inch polished head, plain handle
One dozen in a box.

BALL PEIN HAMMERS Liberty Bell

Drop Forged Steel, Black Finish. Polished Face and Pein. Selected Hickory Handles, Stained Green, Gloss Finish Labelled Liberty Bell

Automobile Hammer
Auto Length Handle

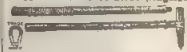
No.	Wt. Ozs.	Per Dozen
1241	8	
1242	12	
1243	16	

Machinists' Hammer

No.	Wt. Ozs.	Length Handle	Per Dozen
1251	8	13 Ins.	
1252	12	14 Ins.	
1253	16	14 Ins.	

Half Dozen in a Box

BILL POSTERS' HAMMERS Robertson's Horse Shoe Magnet



5 Ounce Nickel Plated Forged Steel Head Machined Card clipping and Tack Spring Attachments. White Ash Handle. Jointed in Two 18 inch Sections 36 Inches Long Over All Handle Trimmings Nickel-Plated Per Dozen
No. 502

Sixth Dozen in a Box

BRICK HAMMER "Gladiator"

Drop Forged Steel. Hardened Face and Pein Polished Face and Cutting Edge, Beb ase Ebony Finish

Per Dozen
No. 91—Size No. 1
Weight 24 oz.
Half dozen in a box.

KELLY BOY SCOUT AXE

Branded Flint Edge
Made from Finest Russian Satin or Gloss Black Finish Baked on Head Blade Green Stained Pine Pole Handles Weight about 1¾ Lb.
Per Dozen
No K37—Without Sheath
No K37S—With Sheath
No. K8—Sheath Only
Half Dozen in a box

Send Us Your Mail Orders

KELLY'S VANADIUM HAMMERS

Drop Forged from Chrome Vanadium Steel, Tempered and Tested with Special Care to Obtain the Fine Tough Temper Which This Steel is Deemed to Take and Hold. Special Shape, Hexagon Neck and Reinforced Claw. Firm Hold on Any Nail, Large or Small. Extra High Polish Finish.

RIPPING

No.	Size	Weight of Head	Length of Handle	Per Dozen
721½	1½	16 oz.	13½ ins.	

MACHINIST'S BALL PEIN

No.	Weight of Head	Length of Handle	Per Dozen
3/0	8 oz.	13½ ins.	
2/0	12 oz.	14½ ins.	
0	16 oz.	15 ins.	
2	24 oz.	16½ ins.	

One only in a carton. 3 dozen in a case.

Tea Sets

Per set

N70200—TWENTY-THREE PIECE TEA SET OF GERMAN CHINA make up this set. Decorated with a colorful floral design. The set contains a globe shaped tea pot, sugar and creamer, six tea plates and six cups and saucers. Packed in a wooden box..... 11.00

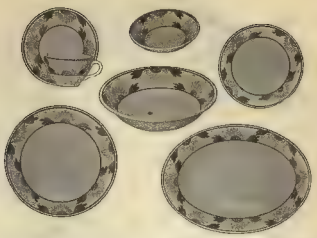
Per set

N70201—GERMAN CHINA TEA SET with a bright orange lustre finish decorated with a band of gay colored flowers. Set consists of a tea pot, creamer and sugar, six tea plates and six cups and saucers. Each set packed in a strong container..... 11.50

Per set

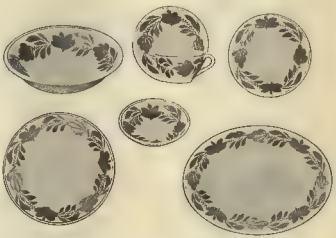
N70202—BAVARIAN CHINA TEA SET decorated in delft blue lustre with touches of yellow and a two-inch band of hand painted flowers in a most harmonious and attractive decoration. Twenty-three piece, tea pot, sugar and creamer, six plates and six cups and saucers. Packed in strong wooden box..... 19.80

Cottage Sets



This set

N70206—A deep border in natural colorings of large daisies is the decoration used in this thirty-two piece cottage set of Holland pottery. Set consists of six dinner plates, six bread and butter plates, six fruit saucers, six tea cups and saucers, one sugar and one platter. Each set in a strong wooden box..... 7.50



Per set

N70207. An all over decoration of conventional flowers in reds and greens is the motif used in this Holland pottery cottage set. It contains the same number of places and the same kind that are in N70206. Each set in a strong wooden box..... 7.50

Waffle Set

Per set

N70199—This waffle set of German pottery is decorated with an attractive conventional design in bright colors. It is made up of twenty-four pieces consisting of, two covered jugs, one of a quart capacity for batter and the other of about ¾ pint capacity for the syrup, one cake plate, one-half dozen tea size plates and a half dozen cups and saucers. Each set is packed in a strong wooden box..... 11.50

Gift China

Salad Set

Per set of 6 pieces

N70113—SALAD SET — Noritake China Salad plate, diameter 10¾ inches with mayonnaise bowl and ladle 1¼-inch border with medallions of flowers and birds Enameled wood salad fork and spoon 8.00

Waffle and Syrup Set

Per set

N70148—WAFFLE AND SYRUP SET—American pottery, consists of two covered jugs. The larger one for batter is 7 inches in height and has a quart capacity. The syrup jug is 4⅛ inches in height with ¾-pint capacity. Decorated with a colorful spray design. Complete with stand. Each set packed in a carton. 3.00

Cozy Set

Per set

N70148—COZY SET—Two pots, one for hot water and the other for tea. A pleasing decoration covers the pots completely with touches of black on handles, spouts and lids for contrast. Packed one set in a carton..... 5.00

Bridge Sets

Per set

N70208—BRIDGE SET —Tan and green lustre is the decoration used in this nineteen-piece German china bridge set. Set consists of eight round tea plates, grooved for tea cups to match, tea pot, one sugar bowl and one creamer. Packed one set in a box..... 15.00

Per set

N70209—This German pottery set has a hand-painted flower decoration that is very attractive Set consists of tea pot, sugar bowl and creamer, eight oval plates with groove for cups which match. Each set in a wooden box..... 16.00

Display your Holiday Goods early. New goods bring customers into your store.

Salad Sets

Per set, 7 pieces

N70114—SALAD SET —Noritake China. 11½-inch salad plate with footed mayonnaise bowl and ladle 1⅝-inch band with medallions of wreaths, leaves and flowers in color Iridescent center, enameled wood salad fork and spoon 12.00

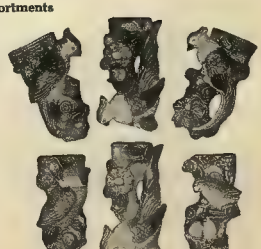
Per set

N70203—SALAD SET —Seven pieces of German china with pearl lustre centers and bird and flower decoration in delicate coloring. A deep ivory border with flower sprays at intervals and a half-inch Persian band finish the set most effectively. The set consists of an 8-inch bowl in square novelty shape and six 6-inch plates Each set in a box..... 6.80

Wall Pocket Vase Assortments

Per doz.

N70197—JAPANESE WALL POCKETS OR FLOWER HOLDERS—Six assorted shapes and designs. Average length 5¾ inches. Designs representing fruits, birds and flowers, raised on the front of the wall pocket in colors of green, yellow and blue. One dozen in a package, not broken..... 4.00



Per doz.

N70198—JAPANESE WALL POCKET OR FLOWER HOLDERS—Six assorted designs, very brilliant colors, representing parrots in trees in various positions. Average length 8 inches. One dozen in a package, not broken..... 8.00

CHATILLON'S SPRING BALANCES

Brass face stamped figures, japanned case with heavy tinned hook and ring.

No. 52—Capacity 25 lbs. × ½ lb., length over all 8¼ in., with 9 in. round tin dish, w't per doz. 8 lbs., per dozen $11 90

HALF DOZEN IN A BOX

Brass face, stamped figures, japanned case with heavy tinned hook and ring.

LIGHT STRAIGHT CASE

Nos.	50	51
Capacity, lbs.	25×½	50×1
Length over all, in.	8¾	10¾
W't, doz., lbs.	3	5
Per dozen	$4.65	8.90

No. 50 ONE DOZEN, No. 51 HALF DOZEN IN A BOX

CHATILLON'S SPRING BALANCES

Brass face, stamped figures, japanned case, with heavy hook and ring.

HEAVY STRAIGHT CASE.

Nos.	81	84
Capacity, lbs.	25×½	50×1
Length over all, in.	10	13¼
W't, doz., lbs.	5	9
Per dozen	$11.90	23.35

No. 70

No. 86

Brass face, stamped figures, japanned case, with heavy hook and ring.

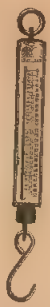
No. 70—Heavy Round Case, capacity .5 × ½ lb., length over all 9 in., w't per doz. 3 lbs., per dozen $11.90

HALF DOZEN IN A BOX

No. 86—Capacity 80×1 lb., straight brass, extra quality, heavy, length over all 11½ in., w't per doz. 19 lbs., per dozen $73.35

QUARTER DOZEN IN A BOX

CHATILLON'S WAGON SCALES



Conforms to weights and measure laws of the various states.

Black japanned steel case, heavily tinned hook and ring. Pointer and dial are protected by raised sides, length dial 9¼ in., width 1⅞ in.

Made especially for use of Dealers in Fruit, Vegetables, Ice and Coal, who desire a compact portable scale that can be carried in the pocket.

No. 401—25 lbs. by ¼ lb., per dozen $76.10

No. 701—50 lbs. by ½ lb., per dozen $84.45

QUARTER DOZEN IN A BOX

GERMAN HALF MOON ICE SCALES

Brass Scale. Tempered spring steel band. Hooks and rings, soft machine steel case hardened. Excellent for sportmen's use.

Nos.	3000	4000
Cap. small hook, lbs.	30×2	40×2
Cap. large hook, lbs.	300×5	400×5
W't, doz., lbs.	8½	9
Per dozen	$13.35	13.35

QUARTER DOZEN IN A BOX

Gibbs Toys

Per doz.
N74844—HAY CART—Size, 6x6 inches. Packed one dozen in a box, not broken 3.36

A TOY WITH LOTS OF ACTION

Per doz.
N74848—TEETER KIDS—Strongly made of metal with wood base; painted in bright colors; figures of boy and girl, each with saw a ring thus. There is nothing to get out of order. Height 8¼ inches. One dozen at a box, not broken..... 4.00

Per doz.
N74849—CART WITH HORSE—When drawn over floor noise made. Length, 12 inches; ½ dozen in a box, not broken 7.50

Per doz.
N74847—DAISY EXPRESS WAGON—Lithographed in colors, iron wheels, with 34-inch twisted iron handle. Size of wagon, 8¼x3¾, inches; ½ dozen in a box, not broken 7.50

Per doz.
N74862—HAY WAGON—Painted in colors. Length, 20½ inches. ½ dozen in a box, not broken..... 7.50

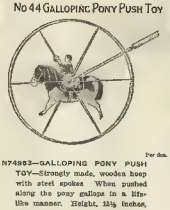
Per doz.
N74846—BUTTERFLY PUSH TOY—Moving of wheels raises and lowers the wings. Full length, 21 inches. ½ dozen in a box, not broken..... 7.50

Per doz.
N74850—DERBY RIDER—Ornamented in eight colors, the horse when pushed along steps off at a lively pacing gait. ½ dozen in a box, not broken 7.50

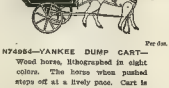
Per doz.
N74851—SEE-SAW—Automatic, no springs, reversible. Height 13½ inches 10.70

Per doz.
N74852—HJRDLE RIDER—Well made of metal and wood, beautifully ornamented in nine bright colors. When drawn along, the horse leaps the fence with spirited action, the jockey rises in the saddle with natural movement of his arms and legs. Complete with pull cord. Length, 10¾ inches. Height, 10 inches 10.70

No 44 Galloping Pony Push Toy

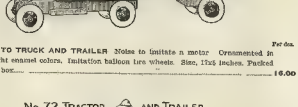


Per doz.
N74853—GALLOPING PONY PUSH TOY—Strongly made, wooden hoop with steel spokes. When pushed along the pony gallops in a lifelike manner. Height, 13½ inches, 15 inch wood handle. ½ dozen in a box, not broken..... 10 70



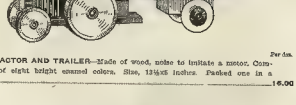
Per doz.
N74854—YANKEE DUMP CART—Wood horse, lithographed in eight colors. The horse when pushed steps off at a lively pace. Cart is enameled in bright colors with gold wheels. Has automatic dump. Length, 19 inches. ½ dozen in a box, not broken 14.70

No. 70 Auto Truck and Trailer



Per doz.
N74857—AUTO TRUCK AND TRAILER—Noise to imitate a motor. Ornamented in eight bright enamel colors. Imitation balloon tire wheels. Size, 17x5 inches. Packed one in a box..... 16.00

No. 72 Tractor and Trailer



Per doz.
N74856—TRACTOR AND TRAILER—Made of wood, noise to imitate a motor. Combination of eight bright enamel colors. Size, 12¼x5 inches. Packed one in a box 16.00

No. 79 Aeroplane

Per doz.
N74859—AEROPLANE—The aluminum propeller revolves and a noise is made to imitate the motor. Made almost entirely of wood, unbreakable. Ornamented in five bright enamel colors. The propeller is solid aluminum and highly polished. Size, 12x7½ inches. Packed one in a box..... 16.00

Per doz.
N74966—STEEPLE CHASERS—Strongly made of metal and wood to stand hard use. Attractively ornamented in bright colors. When the lever is pushed back and forth the horse leaps the fences, and when the rubber, the jockeys rise in their saddles with natural movement of arms and legs, making a most animated and lifelike toy. Size, 10¼x13x10 inches. Packed set up complete with pull cord attached, one toy in a box..... 16.00

No 80 GIBBS FILLING STATION

Each
N74965—GIBBS FILLING STATION—A duplicate in miniature of the latest design in gasoline filling stations. Length, 15 inches. Width, 9 inches. Height, 7 inches..... 1.00

Sewing Machines

Each
N74900—SEWING MACHINE—Metal, black Japanned finish with gilt and colored design, nickel trimmed. Operated by hand, making the chain stitch. Equipped with clamp so that the machine can be more solidly fastened to a table. Size, 7½ inches. Packed one in a box..... 2.00

N74901—SEWING MACHINE—Metal Black Japanned finish with gilt and colored design, nickel trimmed. Operated by hand making the chain stitch. Equipped with clamp so that the machine can be more solidly fastened to a table. Size, 7½x5 7 inches. Packed one in a box.. 3.00

Each
N74902—SEWING MACHINE—Heavy metal material with round shaped arm, the whole machine having a very massive appearance. Operated by hand with very simple shaft movement, making a chain stitch. Size, 8x9½ inches. Packed one in a box 9.00

Handcuffs

Per doz.
N74921—TOY HANDCUFFS—Boy Scouts' delight. Strongly made, nickel-plated, simple mechanism. Spring back. A very durable toy. Packed one in a carton..... 8.00

Pool Table

Per doz.

N74697—POOL TABLE—Made of heavy gauge metal, enameled in red with felt bed. Equipment consists of triangle, two cue sticks and 16 glass marbles. Size, 17x8½ inches. Packed one in a carton 21.00

Slow Motion Toys

U. S. Baby Tank

Per doz.

N74983—U. S. BABY TANK—A novelty feature model of an army tank. Made of metal finished in various colors. The tiny spring motion of a real one. Length, 2¾ inches. Packed one dozen in a box with an display card, not broken..... 3.60

Baby Tractor

Per doz.

N74885—BABY TRACTOR—An exact copy of the modern tractor—with steering wheel, exhaust pipe, etc. Powered with quiet heavy duty motor. The smallest Tractor in the world that runs by its own power. Assorted colors. Packed one dozen in a carton, not broken 4.00

Nature Toys

Per doz.

N74926—ANIMAL TOY ASSORTMENT—Consists of a bug, moth, turtle and snake, packed in a gift box. Each animal is in natural colors. In moving forward on floor or table it moves from crawl forward with lifelike motion. One dozen gift boxes in a package, not broken 3.60

Baby Tractor and Trailers

Per doz.

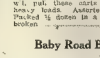
N74987 BABY TRACTOR AND TRAILERS—Three pieces complete in separate box. A little train eleven inches long. The Tractor with pull. Uses carts filled with beads or seeds. Assorted colors. Packed ½ dozen in a carton, not broken 8.00

Baby Steam Roller

Per doz.

N74984—BABY STEAM ROLLER—A perfect reproduction of a Steam Roller. A sturdy toy made of metal and wood, and painted in bright colors. The smallest Steam Roller in the world that runs by its own power. Assorted colors. Packed one dozen in a box, not broken..... 4.00

Baby Road Builder



Per doz.

N74968—BABY ROAD BUILDER—Made of metal finished in green and white. Set consists of steam roller, baby tractor, trailer, dump cart, road scraper, three polished steel tools and two road signs. Steam roller and tractor are slow motion traction toys. Packed complete in a highly colored box. Size, 15x8½x4¾ inches 16.00

Logging Sets

Per doz.

N74970—LITTLE LOGGING SET—Heaps of fun launching logs down the chute. Consists of a log carrier on adjustable wagon, metal placed log chute, two metal skids, log rollers in drill and box. Size 24x18 inches. Cut shows some minute of logging 3.00

Musical Toys

Per doz.

N73936—SPIRAL TOP—Body made of metal with a red wooden knob. Lithographed in bright colors. The top is operated with a spiral attached to handle and is put in operation by pressing the handle down. When in motion it produces a beautiful color effect. Height, 6 inches. Diameter, 4½ inches. Packed one dozen in a box, not broken 4.00

N73926—TOP Choral musical, in two-tempo colors to operate, with a string and when in motion the speed can be changed by tapping the knob of the top lightly with the palm of the hand. Height, 5 inches. Packed ½ dozen in a box, not broken 8.00

N73937—COLORED MUSICAL TOP—Body is made of all metal with a wooden rest. Lithographed in very bright colors, with metal-ed embossed band in middle. When in motion, makes a humming sound. Height, 5½ inches. Width, 3½ inches. Packed one dozen in a box, not broken 4.00

Per doz.

N73939—SPIRAL CHORAL TOP—Body is made of all metal with a red wooden knob. Lithographed in bright colors. It is operated with a spiral that is attached to handle. While in motion it produces a beautiful color effect and a musical sound. Height, 8 inches. Diameter 5 inches. Packed one in a carton 10.00

Spring Tops

Per doz.

N74839—"OLD GLORY" Automatic spring winder. Red wood, finely polished metal point, height, 2¾ inches. 2 dozen in a box, not broken 1.40

Per doz.

N74876—METAL SPINNING TOP—Painted in bright colors. Diameter, 1¾ inches. Height, 2 inches. Packed one dozen in a box, not broken 1.60

Hay Maker

Per doz.

N74969—BABY HAYMAKER—Wonderful miniatures. A mower with lifting bar, self-acting rake, extendable wagon, a hayrack, all pulled by powerful Baby Tractor. Bright colored box 9 inches square 16.00

Humming Top

Per doz.

N74940—NEVER-STOP HUMMING TOP—All metal, top 10 inches in circumference, one dozen in a box, not broken 2.16

Rainbow Top

Per doz.

N74841—RAINBOW HUMMING TOP—Made of metal finished in a combination of colors which shows beautiful colors when spinning. One dozen in a box, not broken..... 2.40

Dixie Dancing Top

Per doz.

N74842—DANCING TOP—Dances to its own music. All metal, 10 inches in circumference. Packed one dozen in a box not broken. 2.40

Egyptian Dancing Top

Per doz.

N74843—EGYPTIAN DANCING TOP—All metal with musical chord finish and dancing spring. Circumference, 9 inches; ½ dozen in a box, not broken..... 6.00

Firefly Top

Per doz.

N74926—RONSON FIREFLY TOP—Made of metal, finished in a combination color of red and white in action it produces automatically showers of different colored sparks. It is absolutely harmless. Directions are printed on side of each carton. Packed one in a colored carton 15.00

Gyroscope Top

Per doz.

N74482—EXACT MODEL OF THE FAMOUS GYROSCOPE TOP—Diameter 2¾ inches. Per doz.... 4.00

GIBBS *New Wooden* TOYS

These New Wooden Toys are designed so as to outlast all other playthings, and the reproduction of details and proportions is perfect.

They are handsomely ornamented in brilliant hard enamel colors and very attractive, but must be seen to appreciate their beautiful design and coloring.

A special unbreakable mechanism to imitate the noise of a motor is a distinctive feature in these new Toys.

The Toys have Pull Cords attached and are packed set up complete, ready to sell, one Toy in a box. Gibbs Toys sell the year round.

No. 70 Auto Truck and Trailer

This Toy will stand any amount of hard knocks and is a great favorite with the youngsters.

A noise to imitate a motor is a unique feature.

Beautifully ornamented in eight bright enamel colors.

Imitation Balloon Tire Wheels.

Length 17 inches. Height 5 inches.

No. 79 Aeroplane

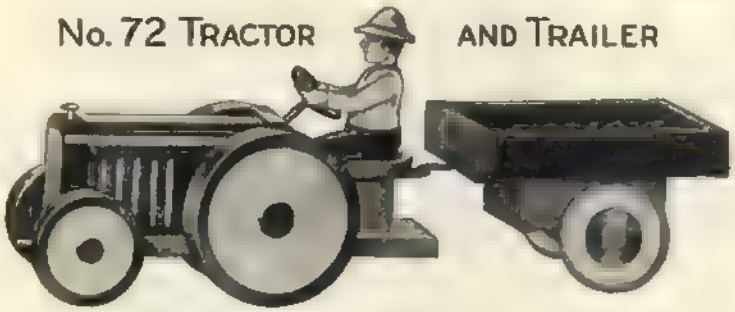
As the Toy is drawn along the Aluminum Propeller revolves and a noise is made to imitate the motor, thus giving the semblance of a real Aeroplane about to enter the air.

Made almost entirely of wood, is practically unbreakable, thereby, eliminating the frail construction usually found in Aeroplane Toys.

The Propeller is solid Aluminum and highly polished.

Length 12 inches, width 7¾ inches. Height 6 inches.

No. 72 Tractor and Trailer



An exceedingly good imitation of a real Tractor.

Made of wood and will stand rough handling.

A noise to imitate a motor is a distinctive feature.

The combination of eight bright enamel colors is unusually attractive and makes it an outstanding Toy.

Length 13½ inches. Height 5 inches.

Write today for our 1927 Catalog showing 41 Gibbs Toys in natural colors.

THE GIBBS MFG. CO.

CANTON, OHIO

Samples now on display at our NEW YORK AGENTS

Geo. Borgfeldt & Co. — The Owens-Kreiser Co.
Strobel-Wilken Co., Inc. — Baker & Bennett Co.

Courtesy- THE MAHLEY & CAREW CO.

GOLDEN ANNIVERSARY ANNOUNCEMENT

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Engraved by
THE DE LUXE ENGRAVING CO., Inc
CINCINNATI OHIO

Printed by
CRAFTSMAN PRINTING COMPANY
CINCINNATI OHIO

GoldSmith FIELDERS' GLOVES.

$5.00

EPPA J. RIXEY.

Made of genuine oil tanned horsehide with full leather lining. Rawhide lacing between thumb and forefinger. Leather welted seams and binding. Leather laced wrist with metal eyelets. Well padded.

Net Per Doz.

NO. 67 ..... $78.00

RIGHT HAND GLOVES.
For Left Handed Players.

Net Per Doz.

NO. 67RH—Same as No. 67, but for the Right Hand $78.00

$4.00

CARL S W. MAYS.

Made of selected golden brown horsehide. Lacing between thumb and forefinger. Full leather lining. Strongly stitched leather welted seams and binding. Leather laced with metal eyelets

Net Per Doz.

NO. 50 ..... $64.08

$3.50

W. H. RUETHER.

Made of selected cream horsehide with full leather lining. Black leather welted seams and binding. Lace between thumb and forfinger. Padded to form a natural ball pocket. Leather lace at wrist with metal eyelets

Net Per Doz.

NO. 44 ..... $54.00

TWO BIGGEST VALUES IN THE COUNTRY.

$2.50 to $3.50

Net per doz.

NO. 100 PAGOMA—Professional model, made of selected olive sheepskin, seams leather welted, edges leather bound and the wrist laced with leather to allow adjustment of padding. Full leather lined, padded with the best grade of glove felt $42 00

NO. 250—PAGOMA Professional Model, black horsehide, laced wrist, adjustable $48.00

$3.50

WILBUR COOPER.

An exceptionally well built glove, made of genuine oil tempered tan horsehide. Full leather Lining. Welted seams and rawhide laced at wrist with metal eyelets. Special patented lacing feature between thumb and forefinger. A wonderful glove for the price.

Net Per Doz

NO. 43 ..... $56.40

$3.00

BEAR CAT SPECIAL.

Made of genuine oil tempered glove horsehide with full leather lining. Welted seams and laced at wrist. An exceptional value

Net Per Doz

NO. 32 (old 29) $48.00

$2.50

GOLDSMITH SPECIAL.

A full sized glove made of a good selection golden tan horsehide. Fully lined throughout with kid skin. Welted seams and laced at the wrist. Correctly padded.

Net Per Doz

NO. 27 ..... $40.08

$2.25

Net per doz.

NO. 20—Large size glove, tan color kid leather, leather palm pad. Weltee seams. Correctly padded and felt lined, with deep flexible pocket, in which the ball sticks, laced wrist... $36.00

Net Per Doz.

NO. 19—Made of tan glove horsehide Kid lined palm. Welted seams and laced at wrist. Correctly padded in palm.....List each $2.00 $31.92

NO. 17—Made of good quality glove horsehide. Kid lined palm. Leather welted seams.....List each $1.50 24.00

YOUTH'S MODELS.

Net Per Doz

NO. 14—Glove horsehide. Set in thumb style. Leather palm pad. Horsehide web between thumb and forefinger.....List each $1.00 $16.08

NO. 10 (old 12A)—Glove horsehide. Outseam style. Felt padded palm and fingers.....List each $0.50 8.88

ALL ONE ONLY IN A BOX

GoldSmith CATCHER'S MITTS.

$16.00

"CHIEF MEYERS" CATCHERS' MITT.

Used by many Big League Players. Designed by "Chief" Meyers, former National League Catcher, it represents the finest and most serviceable catcher's mitt made. Built throughout of selected tan water-proofed elk hide. Molded scoop shape pattern. Extra heavy waxed thread stitching. Special pad consisting of layers of asbestos felt with a foundation of flexible cowhide, which will not break down. Goldsmith patented Finger Grips prevent the mitt from slipping and turning. Fitted with Goldsmith patented wrist protector which prevents chafing of the wrist. Separate shock absorbing foam rubber palm pad with each glove prevents the hand from becoming bruised and swollen. Full rawhide laced edge. A mitt that is light in weight and easily handled.

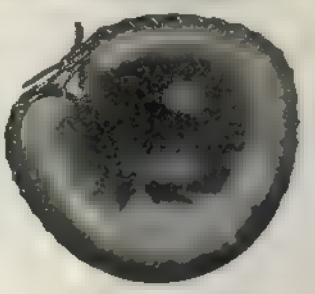
Net Each
NO. CM . . $21.00

$10.00

"FINGER-GRIP."
BILL KILLIFER CATCHER'S MITT.

A very popular high grade professional model mitt. Finest quality tan cowhide throughout. Hand made asbestos felt pad. Thin edge, molded scoop shaped pattern with deep natural ball pocket. Goldsmith Patented Finger Grips. Double stitched with waxed thread. Full laced edge with rawhide lacing between thumb and forefinger for adjusting the ball pocket. Goldsmith patented wrist protector. A mitt that will stand up and give service.

Net Each
NO. WC $13.30



$7.50

HARRY GOWDY.

An exceptional value. Very sturidly built of heavy tan cowhide throughout. Professional molded scoop shaped pattern with deep molded ball pocket. Goldsmith patented Finger Grip construction. Double stitched throughout. Full rawhide laced edge. Rawhide lace adjustment between thumb and palm. Goldsmith patented wrist protector.

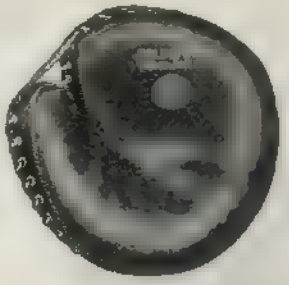
Net Each
NO. 226 (old 284) $10.00

$5.00

THE BULL DOG.

Tough as its name. Thin edge scoop model. Made throughout of heavy chocolate cowhide. Full laced edge. Leather thumb lacing and leather lacing at edge. Molded ball pocket. Goldsmith patented wrist protector.

Net Each
NO. 205 . . . . . $6.70

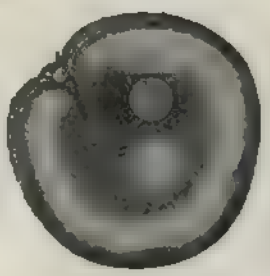


$4.00

GOLDSMITH SPECIAL.

Full sized mitt. Palm and fingers genuine tan cowhide, back good grain leather. Black mitten leather strip and binding. Full laced edge. Goldsmith patented wrist protector. Laced at thumb. A large, sturdy, well-built mitt at a nominal price.

Net Per Doz
NO. 188 . . . . . $33.60



$3.00

THE BEAR CAT.

Net Per Doz
NO. 186—Palm and fingers made of genuine tan horsehide, back heavy grain leather. Laced at thumb. Buckle and strap at wrist. Laced edge throughout.....List each $3.00 $18.00

$3.50

NO. 187 — Amateur Model. Strong grain leather. Black strip and binding. Laced edge. Lace at thumb. Buckle and strap at wrist..... $55.92

$2.00

JUNIOR PROFESSIONAL.

Palm and fingers of genuine horsehide. Back good grade sheep. Full laced edge. Laced at thumb, buckle and strap.

Net Per Doz.
NO. 185 .....$12.40

$1.50

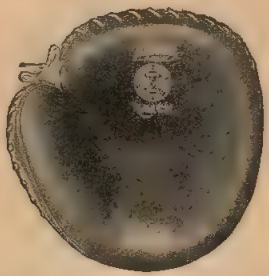
YOUTH'S MODEL.

Net Per Doz.
NO. 182—Genuine horsehide palm and fingers. Tan Suedetex cowhide back. Laced at thumb. Well padded.....$24.00
NO. 181—Genuine horsehide front and fingers. Khaki back. Laced at thumb. Well padded.....List each $1.00 $16.08

ALL ONE ONLY IN A BOX.

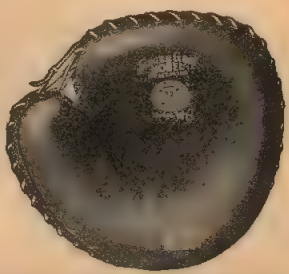
Prices on Application.

GOLDSMITH "PROFESSIONAL MODEL" CATCHERS' MITTS



No. C10CM—"Chief Meyers" Model. Designed and used by "Chief Meyers," former famous National League catcher; moulded, scoop shape, of selected chocolate, waterproofed elkhide; stitched with extra heavy waxed linen thread; the pad is of special construction, consisting of layers of absorbent felt on a foundation of flexible cowhide; this pad will absorb the pounding of the fastest pitching; the patented (Oct. 24, 1916) Goldsmith Finger Grips and the patented wrist protector prevent turning and slipping; light in weight and easily handled; full laced edge with rawhide lacing.....each *$16.00*

ONE IN A BOX



No. C12WH—Walter Henline Model. Designed and made in accordance with the specifications of Walter "Butch" Henline, catcher of the Philadelphia Nationals, this model has met with unqualified approval of a great many major league catchers. Made of heavy, carefully selected cowhide throughout with oiled palm which gives extra flexibility and requires little breaking in. Best quality layer asbestos felt pad shaped to make a deep ball pocket. Goldsmith patented Finger Grips (Oct. 24, (1916) permit a firmer and stronger hold. Full rawhide laced edge. Special wrist protector prevents chafing. Rawhide lacing between thumb and palm to adjust depth of ball pocket.....each *$15.00*

ONE IN A BOX

No. C13WC—"Bill Killifer" Model. Stop the fast ones with this high grade professional mitt made of genuine selected cowhide. Thin edge scoop model. Fits the hand snugly and is light in weight. Asbestos felt pad. Goldsmith Patent Finger Grips. Full laced edge. Goldsmith patented wrist protector keeps the glove from turning and prevents chafing of the wrist..each *$10.00*

ONE IN A BOX

Prices on Application.

GOLDSMITH BASEMEN'S MITTS

No. C2E—Walter Holke Model. Designed for professional use and used by leading major league first basemen. A very fine glove made of selected golden brown horsehide with full horsehide lining. New model professional panel back. Especially constructed pad with deep natural ball pocket. Double stitched seams throughout. Rawhide laced and leather bound edge, metal eyelets. Leather lacing between thumb and palm. Goldsmith patented wrist protector. A glove which requires little breaking in, each *$10.00*

ONE IN A BOX

No. C103CV—Geo. F. Grantham Model. A sturdy and well balanced mitt. Designed with inset or fielders' glove thumb. Extremely flexible oil tanned horsehide front and back with soft kid lining. High grade felt pad with deep ball pocket. Double stitched leather welted seams thruout. Three quarter laced edge with metal eyelets and rawhide lacing. Goldsmith improved wrist protector prevents chafing of the wrist, each *$8.50*

ONE IN A BOX

No. C102W—Oscar R. Grimes Model. Palm and back made of extremely soft and flexible genuine oil tanned golden brown cowhide. Lined with genuine horsehide. Best quality felt pad with deep ball pocket. Professional model panel back. Leather bound edge with metal eyelets, three-quarter laced with rawhide. Double stitched with waxed linen thread ..... each *$8.50*

No. C153—Jake E. Daubert Model. Palm and back made of selected genuine tan horsehide, lined with soft kid. Professional model panel back. Deep natural ball pocket. Fully laced leather bound edge with metal eyelets and rawhide lacing. Improved wrist protector ..... each *$7.00*

No. C145—"The Bear Cat." Made with an inset thumb with rawhide lace adjustment between thumb and palm. (Patented November 13, 1923). Genuine horsehide palm and back. Soft kid lining. Professional model panel back. Correctly padded with deep ball pocket. Leather bound, three-quarter rawhide laced edge with metal eyelets. Leather welted, double stitched seams, each *$6.00*

No. C132—R. R. Bressler Model. Genuine oiled horsehide front and back. Soft and flexible kid lining. New model two-piece back with deep vent. Double stitched seams. Inbuilt ball pocket. Three-quarter leather laced edge with metal eyelets. Rawhide lace between thumb and palm to adjust depth of ball pocket. Ready-broke for immediate use ..... each *$5.00*

ALL ABOVE ONE IN A BOX

No. C128—Goldsmith Special. Selected tan horsehide front and fingers with grain leather lining. Professional model panel back. Rawhide laced edge, metal eyelets. Deep natural ball pocket. Leather lace between thumb and palm for adjusting ball pocket..... each *$4.00*

No. C123—Full size, made of genuine oil tanned horsehide throughout. Black kid lining. Three-quarter laced edge fitted with metal eyelets. Buckle and strap at wrist. Well padded. Deep ball pocket, each *$3.00*

No. C112—Youth's Model. Made entirely of good quality horsehide Laced at edge. Correctly padded to form a natural pocket. Laced between palm and thumb for adjusting ball pocket. Buckle and strap, each *$2.00*

No. C110—Boy's size. Palm and fingers made of genuine horsehide Khaki back. Well padded thruout. Three-quarter laced edge with metal eyelets. Buckle and strap. Laced between palm and thumb, each *$1.50*

ABOVE, ONE IN A BOX

Prices on Application.

GOLDSMITH FIELDERS' GLOVES

No. G7DW—Eddie Roush Model. Short fingered model. Made of the best quality tan horsehide. Tan welted seams. Full laced leather lined. Lightly padded throughout. Laced wrist for re-adjusting padding. A splendid glove for hard wear.....each *$7.00*

No. G67—Genuine soft oiled tan horsehide; full kid lining; patented lacing between thumb and forefinger; leather laced wrist with metal eyelets; well padded for instant use; a large and serviceable model .....each *$5.00*

ONE IN A BOX

MAX CAREY MODEL. Especially well made of the best quality tan horsehide. Full leather lined. Laced at wrist. Leather welted seams. A large, well proportioned model that will withstand hard wear.

No. G68—Each *$5.00*

No. G68RH — Right Hand gloves for left hand player....each *$5.00*

GEORGE BURNS MODEL. A full sized major league model. Made of oiled tanned horsehide with full leather lining. Laced at heel and special laced thumb feature. Welted seams and padded throughout with high grade pad.

No. G73—Each *$6.00*

No. G73RH — Right Hand gloves for left hand player....each *$6.00*

ONE IN A BOX

WILBUR COOPER MODEL. Fine quality chome special oiled glove leather. Correctly padded in heel, thumb and fingers, and shaped to form a deep ball-holding pocket. Patented rawhide lacing between thumb and forefinger. Strongly stitched leather welted seams and binding. Leather laced wrist with metal eyelets.

No. G43—Each *$3.50*

No. G43RH — Right Hand gloves for left hand player....each *$3.50*

Our Very Best is the Very Best.

No. G44—W. H. REUTHER MODEL. A full sized glove of selected cream leather with full soft kid lining. Strongly stitched leather welted seams and binding. Patented rawhide lacing between thumb and forfinger. Full laced wrist with metal eyelets.
each *$3.50*

CARL MAYS MODEL. A special medium priced glove of exceptional quality. Made of selected quality golden brown horsehide with full kid lining. Leather welted seams and leather binding. Laced at the wrist. Correctly padded to make a natural ball pocket.

No. G50—Each *$4.00*

No. G50RH — Right Hand gloves for left hand player....each *$4.00*

ONE IN A BOX

No. G32—Bear Cat Special. A large sized glove made of the best quality tan glove leather; welted seams and full leather lining; best grade felt padding throughout, laced at wrist .....each *$3.00*

SPECIAL MODEL. A good sized, well made glove of golden brown chrome leather, welted seams and half leather lined. Good quality felt padding, laced at wrist.

No. G27—Each *$2.50*

No. G27RH — Right Hand gloves for left hand player....each *$2.50*

ONE IN A BOX

Prices on Application.

GOLDSMITH GLOVES AND MITTS

No. C22—Medium size, oil tanned leather; leather welted seams and binding; leather lined palm; correctly padded, laced at wrist, ea. *$2.50*

No. C17—Youths' size, horsehide throughout with leather palm and and padded with good quality gray felt, welted seams.....each *$1.50*

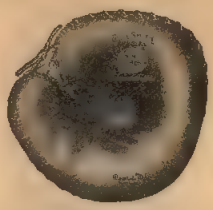
Small Boy's Size, outseam style horsehide leather throughout including palm pad. Padded with gray felt, leather lined palm.

No. C14—Each *$1.00*

No. C14RH — Right Hand gloves for left hand player....each *$1.00*

ONE DOZEN IN A BOX

No. C19—Youth's size, tan glove horsehide with tan leather welted seams and binding, leather lined palm, correctly padded..each *$2.00*



No. C226—Harry Goudy Model. Finger grip model for hard service. Made throughout of heavy golden brown cowhide. Palm and fingers selected cowhide. Double stitched. Laced edge with rawhide lace for adjusting padding. Patented wrist protector.....each *$7.50*

No. C209—Schang Model. A full sized well made mitt of black cowhide. Well padded scoop pattern with deep ball pockt. Laced edge with white leather lacing. Goldsmith patented wrist protector, each *$6.00*

No. C186—Medium size. Good quality golden brown chrome leather palm and fingers. Back, suede-tex golden brown cowhide. Laced edge, buckle and strap at wrist.....each *$3.00*

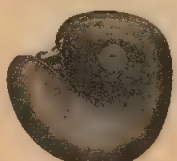
No. C185—Youth's size. Suede-tex cowhide palm, back and fingers. Laced edge. Buckle and strap at wrist .....each *$2.00*

ABOVE, ONE IN A BOX

Hibbard
Hardware
for
Hard-Wear

No. C205—Bull Dog Model. Full sized exceptional quality tanned cowhide front and fingers, tanned grain leather back. Well padded, full laced edge. Leather laced. Double stitched throughout. Goldsmith patented wrist protector ..... .each *$5.00*

No. C188—A full sized mitt made of good quality chrome tanned grain palm and fingers, black leather back and strap. Well padded. Laced edge for re-arranging padding. Laced at thumb. Goldsmith patented wrist protector .....each *$4.00*



No. C182—Youth's size. Genuine horsehide palm and fingers, suede-tex cowhide back, laced at thumb, each *$1.25*

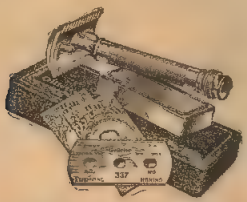
HALF DOZEN IN A BOX

No. C181—For the little shaver. genuine horsehide palm and fingers, khaki back. Leather laced thumb. Well padded.....each *$1.00*

HALF DOZEN IN A BOX

GOLD PLATED LIBERTY GENUINE GILLETTE SAFETY RAZORS

A handsome looking Gillette Safety Razor outfit put up in a vest pocket size. Makes a dandy leader or premium item.



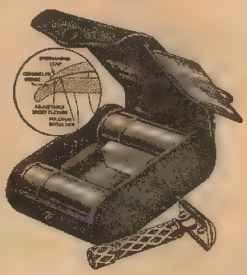
No. C1512—Liberty, consists of gold plated old model vest pocket type Gillette Razor, fancy gold plated blade box containing 1 genuine double edge Gillette Safety Razor blade, complete in green leatherette covered metal vest pocket case with purple velveteen lining, size of case 4×1⅝×⅝ in.....per dozen $13.35

ONE IN A BOX

TRAVELER GILLETTE RAZOR

(New Improved Model)

A complete shaving outfit. Black genuine leather covered case, purple velvet and satin lined, 5×3⅜×1¼ in., complete with **New Improved** razor, 12 double edged blades (24 shaving edges) in nickel plated blade box, mixed badger hair lather brush and stick shaving soap in nickel plated metal containers.



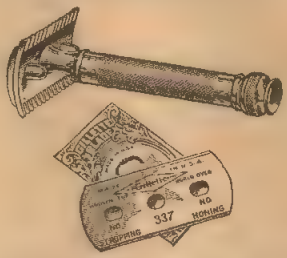
No. C1510—Traveler—Triple silver plated razor, dozen $90.00

ONE IN A BOX

WHILE OUR STOCK LASTS

A GENUINE GILLETTE SAFETY RAZOR AT A RIDICULOUSLY LOW PRICE

Here is the special leader dealers have been looking for to create for themselves a perpetual income in the way of repeat orders for blades. Have dealers stock up and make a feature of this razor in their show windows. The quantity is limited. Get in your orders quick, subject to stock on hand. First come—First served.



No. C3370—Genuine Gillette Safety Razor, silver plated handle, nickel plated cap and guard, complete with one genuine double edge Gillette Blade, per dozen $3.20

ONE IN A CARTON

Our Very Best
Is
The Very Best

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments we are enabled to fill orders with unequalled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipment made in the regular way.

NEW MODEL VALET AUTO STROP SAFETY RAZORS

Improved silverplated self-stropping razor with fluted handle, 10 genuine Valet Auto Strop Blades, one blade is fitted in the razor frame and the other 9 blades are contained in a handsome embossed engine turned silverplated blade sheath, one genuine Valet horsehide strop fitted in an ingenious embossed engine turned silverplated container which is hinged on a fixed pivot inside of case and can be raised or lowered for taking out or putting strop back into case, complete in black seal grain leather case, purple satin and plush lined, size of case when closed 4½×2¾×1⅜ in., case has glove button fastener.

No. C601—Silver Standard, per dozen $90.00

ONE IN A BOX

Improved silverplated self-stropping razor with fluted handle, 10 Genuine Valet Auto Strop Blades, one blade is fitted in the razor frame and the other nine are contained in a handsome embossed horsehide strop fitted in an ingenious embossed engine turned silverplated container, which is hinged on a fixed pivot inside of case and can be raised or lowered for taking out or putting strop back into case. Complete in beautiful, nickel plated case with spring snap catch, purple satin and plush lined, size of case when closed 4⅜×2×1⅞ in.

No. C602—New Yorker—Embossed Case.....per dozen $90.00

No. C603—Londoner—Plain Polished Case.....per dozen $90.00

ONE IN A BOX

AUTO STROP SAFETY RAZORS

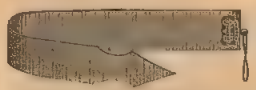
Complete with Strop and Blade

Genuine Valet Auto Strop Razor consists of Self-Stropping Razor with one Genuine Valet Auto Strop Blade and one Genuine Horsehide Strop. Razor and blade are put up in an attractive metal case beautifully finished and velvet lined.

No. C40000—Nickel Plated Razor per dozen $3.75

THE STROP IS PACKED IN AN INDIVIDUAL CARTON AND THE ENTIRE OUTFIT IS PACKED IN A HANDSOME CARTON

RAZOR STROPS FOR AUTO-STROP RAZORS



Will fit any Auto-Strop Safety Razor.

No. C420½ Hibbard—Finest quality pig skin 15×1½ in., with strong braided rope for fastening on nail, hook, bed post, etc., per dozen $6.10

HALF DOZEN IN A BOX

GENUINE AUTOSTROP STROPS

Braided rope for hanging on hook, nail or bed post.

No. C620—First quality horsehide, 12½×1½ in.....per dozen $6.00

No. C621—XX Deluxe, first quality horsehide, 18¾×1½ in., per dozen $12.00

ONE IN AN INDIVIDUAL CARTON, ONE DOZEN IN A BOX

Our Hibbard and Hibbard Tools are made by skilled workmen from Best Materials, with an Accurate Knowledge of the Requirements of each article.

That every Article bearing these brands shall be the Best of its kind on the Market has been our constant Aim.

How well we have Succeeded is Shown by the Greater Number of Merchants who have Adopted these Brands as Their Standard and by the Increased Sales of Each.

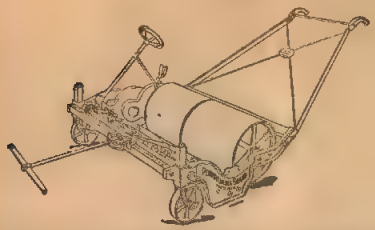
Will you make these Slogans your Slogans?

"Our Very Best is The Very Best."

Hibbard
HARDWARE for HARD WEAR

LAWN MOWERS

PENNSYLVANIA GRAND HORSE



Crucible tool steel blades, 7½ inch open cylinder, diameter of rollers 15 inches, with handles and draft irons.

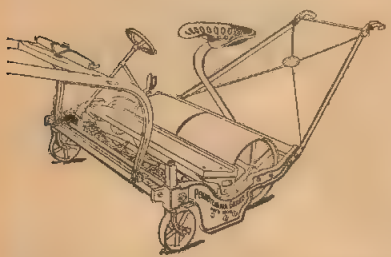
No. F101—Cut 30 in., 4 blades, w't 595 lbs., each★ $220.00

No. F102—Cut 30 in., 6 blades, w't 605 lbs., each★ $247.55

No. F104—Cut 38 in., 4 blades, w't 675 lbs., each★ $285.95

No. F105—Cut 38 in., 6 blades, w't 705 lbs., each★ $312.40

ONE IN A CASE



Crucible tool steel blades, 7½ in. open cylinder, diam. of roller 15 in., with seats, shafts and handles.

The wheel at the right of the driver's seat regulates the height of cut from ⅜ to 2⅝ in. The operator, without leaving his seat, can instantly change from low to high cut or an intermediate one.

No. F111—30 in cut, 4 blades, w't 635 lbs., each★ $263.95

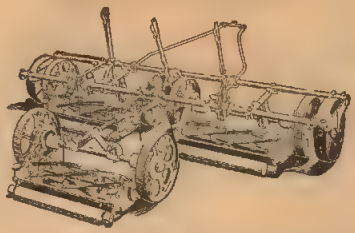
No. F112—30 in. cut, 6 blades, w't 645 lbs., each★ $291.55

No. F114—38 in. cut 4 blades, w't 720 lbs., each★ $329.95

No. F115—38 in. cut, 6 blades, w't 750 lbs., each★ $357.50

ONE IN A CASE

PENNSYLVANIA TRIO MOWERS



CAN BE DRAWN BY HORSE OR TRACTOR

In ordering advise if wanted with tractor hitch, or draft pole for double team, or single shafts.

A three-unit type mower; made especially for golf courses, public parks, cemeteries and all grounds where large areas of undulating surface present difficult problems of lawn mowing.

Consists of three specially constructed 30 in. 4 blade mower units, high geared, so yoked to a frame or sulky that a cutting swath of 86 in. is attained.

Each mower unit acts independently of others, being pivoted to frame, enabling them to ride over even surfaces and to closely follow undulation of ground.

Frame supported on two separate ground wheels, thereby relieving cutting units of any extra weight, overcoming objection of wheel marks on turf and also giving mowers greater flexibility and greater efficiency.

SPECIFICATIONS

Automatic Clutch—Each mower unit may be raised separately by means of three levers, and when lifted to highest point the cutting cylinders are automatically disengaged or idled. When lowered, the cylinders are again automatically engaged.

Wheels—17 in. in diam., tread of 2½ in., fitted with automobile type ball bearings.

Cylinders—4 knife, 30 in., 6½ in. diam. Knives are of crucible steel, oil hardened and water tempered.

Cylinder Bearings—Cylinder carrying knives revolves in universally adjustable, bronze bearing. These bearings can be adjusted for wear and cannot get out of alignment.

Bottom Knife—To insure great rigidity, bottom knife castback is bolted solidly to side plates. This eliminates all chances of the mower becoming twisted or strained. Blade is crucible steel, oil hardened and water tempered.

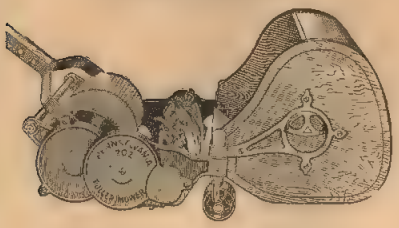
Adjustment of Knives—Instead of usual method of raising bottom knife for wear, all adjustments quickly made by tightening two regulating screws and bringing cylinder closer to bottom knife.

Assembling—Mowers are absolutely interchangeable, will fit in any position. The "sulky" style steel frame may be used for pulling other equipments, such as rollers, seeders and other cultivator tools.

No. F86—Cutting width 86 in., width over all, including sulky or ground wheels 109 in., w't 930 lbs., each★ $899.90

★Items Thus Marked ★ Are Shipped from Factory Only

PUTTING GREEN ROLLER MOWERS
WITHOUT GRASS BOX



Made with cut gears and roller bearings. This greatly improves the ease in running.

7 in. rollers, 6 in. six-blade cylinder, crucible steel blades; self sharpening raised edge dead knife; triple gears. The hardwood roller in front can be removed and mower supportd on caster wheels if preferred. Cuts 3-16 to 1¼ in. This mower is unexcelled for cutting undulating or wavy greens, also tennis courts, cricket creases and other lawns requiring an exceptionally close and smooth cut.

Nos.	X1316	X1318
Cut, in.	16	18
Weight, lbs.	92	97
Each	$56.90	64.00

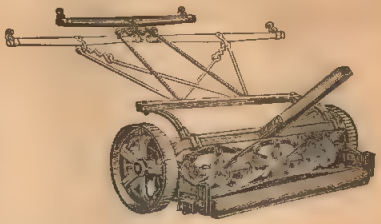
ONE IN A CASE

GRASS BOXES

Sheet metal with wood ends, for use on Pennsylvania Putting Green Mowers, easily attached and detached.

Nos.	X116	X118
Width, in.	16	18
Each	$14.20	14.20

CRESTLAWN THIRTY

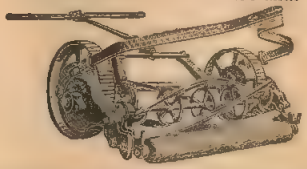


This mower is used extensively on many of best kept lawns and estates of the country.

No. X30—30 in. cut, 11 in. ball bearing drive wheels, 7 in. revolving cylinder with five blades, accurately machined and fitted throughout, frame construction is interlocking, patented cutter bar adjustment, reel equipped with Timken roller bearings, automatically adjusted, durable positive throw ratchet geared on both sides, three section iron rollers, w't 140 lbs.....each $100.00

ONE IN A CASE

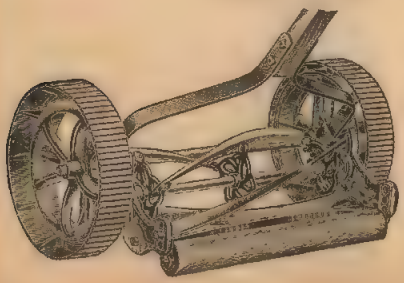
PENNSYLVANIA PONY OR TWO MAN



No. X25—25 in. cut, large open cylinder, rear cut, 4 blades, Emos bed plate yielding bed knife, self-sharpening, shifting clutch for throwing out of gear, brass boxes, long bearings, complete with handle and draft irons, w't 153 lbs.....each $111.10

ONE IN A CASE

FLORIDA SPECIAL BALL BEARING LAWN MOWERS



The special feature of this mower is the 2¾ in. wide tread of the wheel. It is especially adapted for loose sandy soil, new lawns or other ground where the regular narrow tread will not easily grip the ground. Will also give more traction in heavy grass. It has a high carriage and can be adjusted to cut 1½ in. from the ground.

Four blade cylinder of high grade crucible steel, tempered in oil. Reel bearings have patented automatic self adjusting ball bearings which automatically take up the wear in the cones. Screw adjustment on lower cutter bar.

Decoration—Gold bronze and Blue. Attractively striped. 10½ in. Drive Wheel, 2¾ in. tread. Hardwood roller and handle.

Reel bearings are fitted with oil cups.

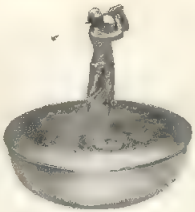
Nos.	X914	X916	X918
Cut in.	14	16	18
W't lbs.	56	59	62
Each	$23.35	24.45	25.55

ONE IN A CASE

NOVELTY GOLF TROPHIES

BUTLER FINISH

Ash Receiver Diameter 5¼ inch
H6871. Price $7.25

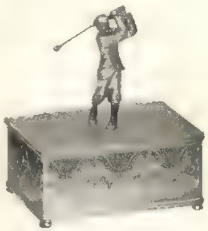


Bon Bon Box. Height 5¾ inch. Diameter 6¾ inch.
H6872. Price $13.00

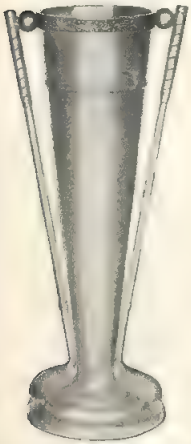
Ash Receiver with 4 trays 3 inch Base 4x6 inch
H6873. Price $13.50

Cigarette Holder Holds 50 cigarettes. Height 5⅝ inch.
H6874. Price $24.00
Cigarette Holder, less base Holds 50 cigarettes Height 5¼ inches
H6875. Price $18.00

Cigarette Holder, holds 40 cigarettes
H6876. Price $10.50

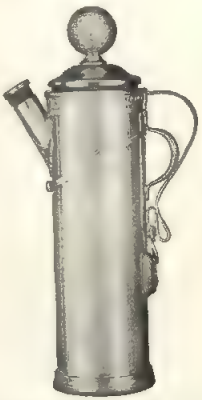


Cigarette Box. Cedar lining Size 7¾x4x2½ inch
H6877. Each $19.50



		Price
H6878.	Vase hammered, 12 inch	$12.50
H6879.	Vase, hammered, 16 inch.	30.00

Tobacco Jar, height 16 inch. Diameter 4 inch.
H6880. Price $15.75



Mixer, Capacity 36 oz. Height 13 inch.
H6881. Price $20.25

Musical Toys

Fire Department

Per doz.

N74976—FIRE DEPARTMENT SET — Chassis is made of cast metal with moveable disc wheels. Two separate bodies, hood and ladder and chemical fire truck. Nickeled in various colors. Set complete is packed in an attractive box. Size, 12¾ inches 4.00

Passenger Set

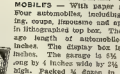
Per doz.

N74977—PASSENGER TRAIN SET—This set consists of engine, tender and pullman coach. All the wheels run smoothly and the coupling device enables the train to turn curves. Made of cast metal, enameled in bright colors. Length of train, 8¼ inches. Packed one in an attractive box 4.00

Auto and Garage Sets

Per doz. sets

N74978—SET OF SMALL AUTOMOBILES — With paper garage. Four automobiles, including touring, coupe, limousine and open car in lithographed cardboard box. The average length of automobile is 2 inches. The display box is 9¾x5 inches. The garage is 5¾ inches long by 4 inches wide by 2¾ inches high. Packed ¾ dozen in a box, not broken 8.00



Per doz.

N74977—TRAIN SET AND STATION —Put up in lithographed cover display box, including engine, tender, two curve cars, making a train 14 inches long. Packed in lithographed display box 16 inches, with paper railroad station 8¾ inches long by 4 inches wide by 2¾ inches high. Packed ¾ dozen in a box, not broken 8.00

Push Chimes

Per doz.

N74396—PUSH STICK GONG CHIMES—2 inch wheels, 2 inch gongs, nickeled, one dozen in a box, not broken 3.60

Per doz.

N74379 — JINGLING JIM CHIMES — This jolly, brightly colored clown of wooden parts rides on his enameled wheels with nickeled gongs. As the toy is drawn along he moves backwards and forward in a comical manner. Has a colored ball cord and bell. Height, 8½ inches. Wheels, 3½ inches in diameter. Packed one in a decorated carton 3.00

Per doz.

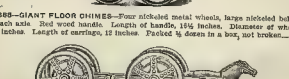
N74387—PUSH STICK GONG CHIMES—4½ inch wheels, 3¼ inch gongs, nickeled. One dozen in a box, not broken 7.50

Per doz.

N74315—MUSICAL ROLLER CHIMES—Has a sweet, pleasing sound. The music is produced by automatic picking on spanned piano wire. Handsomely finished in bright colors, with 3 inch beaded wheels. Length of handle, 20 inches. Packed ¾ dozen in a package, not broken.. 8.00

Per doz.

N74388—GIANT FLOOR CHIMES—Four nickeled metal wheels, large nickeled ball on each axle. Red wood handle. Length of handle, 16½ inches. Diameter of wheels, 6 inches. Length of carriage, 12 inches. Packed ¾ dozen in a box, not broken.....



Per doz.

N74076—FLOOR CHIME—Steel wheels, diameter, 3½ inches. Single horse, 5¼ inches. Gongs, 2 inches. Packed ¾ dozen in a box, not broken..... 8.00

Chimes
Continued

Per doz.

N74380—RAINBOW CHIMES—This helf toy has two large bells and eight wooden balls each enameled in different colors mounted on steel wheels 7diameter, 7 inches. A colored pull cord and ball are attached. When the toy is drawn along the different colored balls are sounded into a fine of rainbow colors. Packed one in a carton 16.00

Per doz.

N74318—STICK HORSE WITH ROLLER CHIMES—Made of wood. Horse's head is nicely painted. Wheels are lithographed in bright colors. The chimes have a sweet pleasing sound. Five-inch wheels with rubber tires. Length, 39 inches. Packed ½ dozen in a box, not broken 16.00

Each

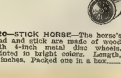
N74316—ROLLER CHIMES — Solid wooden wheels, rubber tired, 7 inches in diameter, covered with lithographed paper pictures and designs. Length, 26 inches. ½ dozen in a package, not broken..... 16.00

Each

N74317 — ROLLER CHIMES — Wire wheels, with rubber tires. Wheels are 5 inches in diameter. Length of handle, 20 inches. Lithographed in bright colors. The chimes have a sweet, pleasing sound. Packed ¾ dozen in a package, not broken..... 2.00

Each

N74319—CIRCUS CLOWN WITH DONKEY AND CHIMES—Strong pull cord attached. The chimes have a sweet, pleasing sound. Handsomely finished in bright colors, artistic lithographs 6 inch wheels with rubber tires. Size, 16x12x7½ inches 3.50



Per doz.

N74320—STICK HORSE—The horse's head and sides are made of wood with 4-inch metal disc wheels. Painted in bright colors. Length, 33 inches. Packed one in a box..... 8.00

Paper Horns

Per doz.

N74731—CARNIVAL HORN - Three color design, loud reed voice, wood mouth piece. Length, 7½ inches. Packed ½ gross in a package, not broken 5.00

Per doz.

N74782—DANDY HORN—Loud reed voice, cardboard horn, well decorated in colors. Size, 14½ inches, wooden mouthpiece. One dozen in a package, not broken..... 10.00

Tin Horns

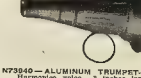
Per doz.

N74795—HORN — Straight tapered shape, bell end, wooden mouthpiece, finished in gold, dark of red and blue. Length, 12 inches. Packed three dozen in a box, not broken. .50

N74800—HORN Has coiled metal mouthpiece with 2½ inch bell, finished in blue and red. Length, 16 inches. Packed one dozen in a package, not broken 1.80

Per doz.

N74803—METAL DRUM HORN—Very loud, with rattle drum, wood mouthpiece, brass reed finished in colors of red and blue. Size, 10 inches. Packed two dozen in a package, not broken..... 1.50



Per doz.

N74799—HORN — Straight tapered shape, bell end, wooden mouthpiece finished in colors of red, white and blue. Length, 23 inches. Packed one dozen in a package, not broken 1.80

N74801—HORN — Straight tapered shape, bell end, wooden mouthpiece finished in colors of red, white and blue. Length, 23 inches. Packed one dozen in a package, not broken 2.40

N74802—FOG HORN—Has coiled metal mouthpiece, finished in colors of red, white and blue. Length, 25 inches. Packed ½ dozen in a package, not broken 4.00

Auto Horn

Per gro.

N73040 — ALUMINUM TRUMPET.— Harmonica valve, 9 inches long. 8-inch bell end. Three dozen in a box, not broken 9.00

Trumpet

Per gro.

N73941—TRUMPET—Silvered, ribbed finish, decorated in attractive design in the colors red and blue, interchanging into the silvered finish, measuring 6¼ inches in length. Packed two dozen in a box, not broken 9.00

Musical Toys

Trumpets

N73942—TIN HORN WITH CHINA MOUTHPIECE—Length 12¾ inches. Two dozen in a box, not broken ..... Per gr. 15.00

N73943—TRUMPETS — Assorted trumpets consisting of two nickel plated straight, one fancy painted straight, one round shape, one trombone shape and one straight with rattle. Length, 13 inches. Packed one dozen in a box, not broken ..... Per doz. 4.00

N73944—FIREMAN HORN Straight, brass finish with recall voice, red cord with tassel. Height, 10 inches. Packed one dozen in a box, not broken ..... Per doz. 4.00

Fireman's Trumpet

Cornets

N73924—CORNET—Nickeled, 11 8 eight keys. Size, 19 inches. Packed ½ dozen in a box, not broken ..... Per doz. 8.00

N73925—CORNET—Brass, with eight pumper keys. Length, 19 inches. Packed ½ dozen in a box, not broken ..... Per doz. 15.00

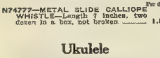
Metal Slide Calliope Whistles

N74777—METAL SLIDE CALLIOPE WHISTLE—Length 7 inches, two dozen in a box, not broken ..... Per doz. 1.50

Ukulele

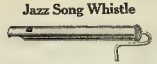
N74780—METAL UKULELE—Painted in bright colors of red and yellow, with wood hands. Four nickel-plated strings. Length, 14 inches. One dozen in a box, not broken ..... Per doz. 4.00

Frog Cricket



N74501—FROG CRICKET—Metal frog with cricket scrapper. One gross in a box, not broken ..... Per gr. 1.40

Jazz Song Whistle

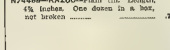


N74778—LARGE JAZZ SLIDE METAL CALLIOPE WHISTLE—Length 8¼ inches. Packed one in a holly covered box ..... Per doz. 3.30

Kazoos

N74468—KAZOO—Plain tin. Length, 4¾ inches. One dozen in a box, not broken ..... Per doz. .70

N74470—BABY JAZZ KAZOO—Brass finish, length, 6¼ inches. Packed one dozen in a box, not broken ..... Per doz. 1.60



N74471—KAZOO BELL NOISE MAKER—Lithographed metal cimbals, 2¾ inches in diameter. Length, 7½ inches. Packed one dozen in a box, not broken..... Per doz. 1.80

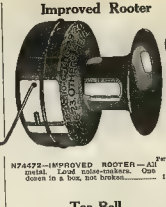
Jumbo Rattler

N74497—JUMBO RATTLER—The ball is made of metal and the handle of wood. Finished in bright and creative colors. For parties, banquets, etc. Length, 9¾ inches. Ball, 3¾ inches in diameter. Length, 9¾ inches. Packed one dozen in a box, not broken ..... Per doz. 1.20

Safety Toy

N74493—SAFE-T-TOY—A wooden block with ratchet and clapper arrangement, by whirling around on handle a rapid succession of sharp cracks are heard. Finished in red, white and blue. Length 6 inches. 2 dozen in a package, not broken. Per doz. 1.60

Improved Rooter

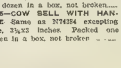


N74472—IMPROVED ROOTER—All metal. Loud noise-makers. One dozen in a box, not broken..... Per doz. 1.50

Tea Bell

N74383—TEA BELL—A nickeled metal octagon bell with a black enameled wood handle. Height, 4¾ inches. Width of bell, 2¾ inches. Packed one dozen in a box, not broken ..... Per doz. 1.80

Cow Bells



N74384—COW BELL WITH HANDLE—Made of metal, copper finish. Size, 2x1¾ inches. Packed six dozen in a box, not broken..... 1.40

N74386—COW BELL WITH HANDLE—Same as N74384 excepting size, 2¾x2 inches. Packed one dozen in a box, not broken 3.60

Flutes

N73827—TIN FLUTE—Black finished with gold trimming, with regulation six holes in key of C. Size, 12¾ inches. Packed one dozen in a box, not broken ..... Per doz. 1.60

N74778—METAL FLUTE—Length, 14 inches. 2 dozen in a box, not broken ..... Per doz. 1.40

Siren Horn

N73928 TIN HORN—Mighty nickel plated with siren voice. Size, 5¾ inches. Packed two dozen in a box, not broken ..... Per doz. 1.50

Trombone

N73926—TROMBONE—Brass, with eight notes. Size, 18¼x24 inches. Packed one in a box..... Per doz. 16.00

Metal Saxophones

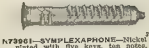
N73921 N73922

N73921—SAXOPHONE—Nickel plated with wood mouth piece, eight keys. Size, 13 inches. Packed one in a box ..... Per doz. 12.00

N73922—SAXOPHONE—Nickel plated, wood mouth piece and trimming, colored tape shoulder strap, eight keys. Size, 17 inches Packed one in a box..... Each 3.00

N73923—SAXOPHONE—Made of brass, with a chromatic keyboard, eighteen keys, with full notes and sharps. Black gamlith mouth piece. Size, 17¾ inches. Packed one in a box ..... Each 6.50

Simplexophone



N73961—SYMPLEXAPHONE—Nickel plated with five keys, ten notes. Size, 4 inches. Packed one in a box..... Per doz. 6.00

N73962—SYMPLEXAPHONE—Nickel plated with ten keys, two bass, twenty notes. Size, 11 inches. Packed one in a box..... Per doz. 16.00

Metal Banjos

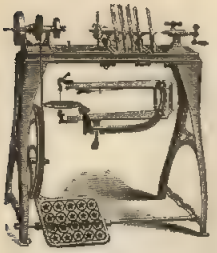
N73913—BANJO UKE—Tin head, wood finger board, painted in imitation of grained wood; gut strings. Size, 19 inches. Packed one in a box ..... Per doz. 4.00

N73914—BANJO UKE—Tin head, wood finger board, painted in imitation of grained wood; gut strings. Size, 13 inches. Packed one in a box ..... Per doz. 9.00

N73915—BANJO UKE—Tin head, wood finger board, painted in imitation of grained wood, gut strings. Size, 17 inches. Packed one in a box ..... Per doz. 16.00

LATHES WITH SAW ATTACHMENTS.

GOODELL.



Drive wheel and cone pulley with two grooves to permit changes of speed; accurate drill chuck holding from 0 to ¼ inch in diameter round shank drills for boring in metal or wood; long and short tool rests; five turning tools, wrench and drill points, etc.; lathe head with 2 inch face plate and spur center and screw center for turning cups; emery wheel, 4½x¾ inch; drill spindle with chuck for drill points for wood boring; tail stock with screw feed, and can be clamped at any point. Swing of lathe, 5 inches; distance between centers, 14 inches. Fret sawing attachment, quickly attachable or detachable; with nickeled table, ash wood arms, dust blower, adjustable saw guide and lever, saw blades, designs, etc. The whole machine is thoroughly built and highly finished, polished parts being nickeled.

No. 320 Goodell. Lathe, with scroll saw attachment and lathe tools. Net wt. of lathe and scroll saw attachment, 57 lbs. Ship. wt., 78 lbs. . Each **$35 00**

FRET SAW BLADES.

STAR.

Blades 5 inches long for either hand or machine saws. No. 1 is smallest size.

Nos.	1 to 6	7	8
Gro.	$1 80	1 85	1 90

Packed one gross in a bundle. Wt. per gross, 2 ozs.

HACK SAW FRAMES.

Easy Grip.

The handle on this frame affords a perfect grip; special black composition handle, fastened with screws; polished and nickel-plated frame. One 10 inch blade furnished with each frame.

No. 12. Depth, 3⅛ in.; capacity, 8 to 12 inch blades. Weight, per dozen, 24 lbs. .....Dozen **$48 00**

Pistol Grip.

An all-metal frame of exceptional strength. Back one piece of solid steel. Entire frame is sheradized to prevent rust. Is particularly adapted for outdoor use.

No. 1100. Depth, 3⅛ inches. Capacity, 8 to 12 inch blades. Wt. doz., 22½ lbs. .....Dozen **$30 00**

Pistol Grip.

Black composition handle is moulded in one piece and designed to give a perfect hang; steel rib in handle. Polished and nickel plated frame. One 10-inch blade furnished with each frame.

No. 1027. Depth, 3¼ in. Capacity, 8 to 12 inch blades. Wt. doz., 21 lbs. .....Dozen **$24 00**

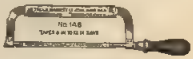
All above, one in a box.

No. 1275. Similar to No. 1027, but has black enameled hardwood handle; nickel plated frame; depth, 2½ inches; capacity, 8 to 12 inch blades. Wt. doz., 15 lbs. .....Dozen **$12 00**

One-sixth dozen in a box

Adjustable.

No. 6 Star. Stiff, strong frame, nickel plated; cocobolo handle; takes 6 to 12 inch blades. Depth under back, 2¾ inches; knurled nut screws over blade, holding it in place while adjustment is made. Blade can be faced in 4 directions. Supplied with one 12 inch blade. Wt. per doz., 18 lbs. .....Dozen **$27 00**

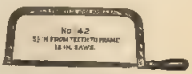


Adjustable.

No. 146. Starrett. Nickel plated; takes 8 to 12 inch blades; blades can be faced in 4 directions. Supplied with one 8 in. blade. Wt. per doz., 18 lbs. .....Dozen **$20 00**

Adjustable.

No. 50. Adjustable feature obtained by use of a pin set in edge of long end of frame; nickel plated frame, ⅝ inch wide; mahogany finished handle. Takes blades 8 to 12 inches. Packed without blade. Wt. per doz., 12 lbs. .....Dozen **$7 00**



Not Adjustable.

No. 142. Starrett. For cutting girders, steel rails, etc.; nickel plated; hardwood handle; takes 12 inch blade; 5¼ inches under back; supplied with one 12 in. blade. Wt. doz., 30 lbs. .....Dozen **$33 00**

Not Adjustable.

No. 24. For cutting girders, steel rails, etc.; black enameled frame; beech handle; 10¼ in. under back. Wt. doz., 46 lbs. .....Dozen **$36 00**

All above, one in a box.

Drawn by Eddy Ward

120 Screen Two Color Combination Line and Halftone

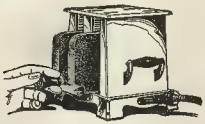
A DEALER MAGAZINE COVER

Reproduced from Pen drawing. Halftone screen negative surprinted on blue plate

Engraved by THE NORTHERN ENGRAVING COMPANY, CANTON, O.

THE ELASTIC TIP COMPANY
MANUFACTURERS OF
RUBBER GOODS AND SPECIALTIES
SEND FOR ILLUSTRATED CATALOGUE OF OUR COMPLETE LINE OF
FAST SELLING TIPS FOR ALL PURPOSES
370 ATLANTIC AVE., BOSTON, MASS.

"There is a Difference in Toast"



Easy to Use — Easy to Sell
The "DOUBLE ACTION" Toaster

The wedding bells will soon be ringing. Make your cash register ring by filling that gift want with "DOUBLE ACTION" Toasters.

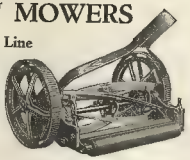
Here is a toaster that is easy to sell because it is *easy to use*. It produces two slices of toast, evenly browned on both sides, *without turning* No turning mechanism to go wrong, is an important sales argument that means rapid turnover for the dealer.

Built solidly, attractive, and guaranteed, the "DOUBLE ACTION" meets the demand for a better toaster, and sells itself. Ask your jobber or write for information.

"DOUBLE ACTION" Electric Co.
Grand Rapids Mich.

GRANITE STATE
LAWN MOWERS
A Complete Line

Ball Bearing or Plain Bearing



Back of every Granite State Lawn Mower are nearly 60 years of practical experience.

In every mower is the best of materials and workmanship. From every lawn mower your customers are assured of complete satisfaction and maximum wear.

Styles for every requirement. Prices for every pocketbook. Cutting widths from 10 to 20 inches. We also make lawn trimmers and edgers. Send for latest catalog.

Granite State Mowing Machine Co.
Hinsdale, N. H., U. S. A.
Nearly 60 Years' Experience

Power without Powder

Crosman
Pneumatic .22

The most outstanding development in the small bore field in years.
Ask your jobber's salesman or write us for full details.

CROSMAN ARMS CO., Inc. 423 St. Paul St., Rochester, N. Y.
70 West King St., Toronto, Ont., Canada

ATTRACTIVE CLOCKS AT MODERATE PRICES

This unique Clock case is made of a wood product which attains great strength and durability. handsomely decorated in Natural antique colors. Fitted with 8 day guaranteed gold dial Deluxe movement. Matches the present vogue in period furniture. Can be used [illegible] and can also be used as book-end. Its pleasing design and color tone will make this a most acceptable and useful gift for the home. Length 9¾". Height 5".

H6747. Each **$6.00**

Kitchen Wall Clock

Imported porcelain plate 8½ inches. Blue delft decoration. 8 day time, pendulum movement.

H6748. Each **$5.00**

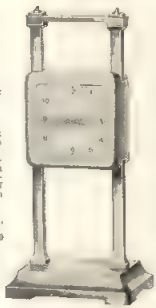
GRAVITY CLOCK

Never Requires Winding

Not an Alarm

An accurate timepiece. The square movement case is simply raised to the top of the frame. The pull of gravity operates the clock. Will run 32 hours without resetting. Constant instead of variable power as in spring clocks.

H6749. Metal frame, bronze finish, 3½ in. silver dial.....Each, **$17.00**



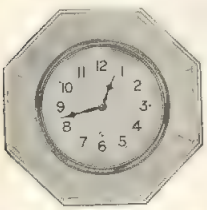
Bradford

Antique tinted dials and artistically colored pictures in door panels. Height 14⅝ inches. Width 8½ inches. Eight-day, hour and half-hour gong strike. Mahogany finished case.

H6750. Each..... **$20.00**

BUNGALOW CLOCKS

Duco finish, washable — eight-day time movements.
Five inch silver plated dials. Convex glasses. Arabic numerals.



Bungalow No. 1

Width 8⅝ inches. Depth 2½ inches. White Enamel Case.

H6751. Each **$7.50**

Bungalow No. 4

Width 8½ inches. Depth 2¼ inches. Artistic Brown Case.

H6752. Each **$8.00**

Bungalow No. 2

Width 8½ inches. Depth 2½ inches. White Enamel Case, Blue Border.

H6753. Each..... **$8.25**

WELL SUITED FOR THE BOUDOIR

Clock Set

Consisting of one clock and two candlesticks, made of composition white metal, finished in Egyptian bronze, clock equipped with guaranteed American made, 24 hour movement, oval in shape, with convexed glass and gold effect dial. Size of clock 3⅛x7¼". Candlestick 6¼" high.

H6754. Each. $15.00

Clock

Made of composition white metal, finished in Egyptian bronze. Equipped with guaranteed American made 24 hour movement, in octagon shape, with beveled edge glass and gold effect dial. Size 5¼"x8" long.

H6755. Each.... ..... $9.80

Apex Junior

Artistic Metal Case. Bronze Finish Raised Numerals on Sunken Dial. Dial is an Integral Part of the Case. Felt Mat on Base of Clock. No Glass to be Broken.

Runs Thirty Hours With One Winding. Continuous Alarm with Convenient Switch for Silencing.

H6756. Plain $4.50

H6757. Radium Hands and Numerals 6.10

The Gothic

Pearl-Amber Clock. Solid heavy stock, fitted with latest style New Haven Gothic shape, 30-hour slip in time movement. Width 8", height 5⅛".

H6758. Each..... $11.20

Candlestick **Apex** **Candlestick**

Clock, height 5¼ inches, width 4⅜ inches. Candlestick, height 2¾ inches, width 2⅜ inches. Apex is an Artistic Ten Day Timepiece. Metal case, bronze or antique finish. Raised numerals on sunken dial. Dial is an integral part of the case. Felt mat on base of clock. No glass to be broken. Plain or radium hands and numerals. This clock is not only unique and artistic but it is fitted with our celebrated Automatic alarm attachment. Candlesticks are supplied to match the finish of the clock. The bases of the candlesticks are furnished with felt mats.

H6760. Apex Clock Set. Plain $13.80
H6761. Apex Clock Set. Radium 15.10
H6762. Clock Only. Plain 9.00
H6763. Clock Only. Radium 10.30

Tambour

Rose pearl on amber. Size 5¼"x3⅜". 30-hour slip-in movement.

H6759. Each..... $8.00

This year, make it
Grebe for Profit

QUICK sales, customer satisfaction, minimum service, full profit. An ideal set-up with Grebe batting 998 per cent.

Tie up to Grebe this year and you'll make *real* profits—and no apologies to customers.

The Synchrophase Seven—the newest and best receiver Grebe has ever put out. As usual, full of exclusive Grebe developments that make sales easy and satisfaction sure. Wonderfully attractive, too, with its real French marquetry inlay panel in butt-grain walnut.

And ***The Synchrophase Five***—dependable—and also with special Grebe features that always move this set quickly.

To complete the Grebe line.—The new *Grebe Natural Speaker* for true reproduction; and *Grebe Socket Powers* for dependable "A", "B", and "C" power supply.

You'll miss a lot if you fail to learn full details about this wonderful new Grebe line.

Booklet AJ gives the facts. Send for it

A. H. Grebe & Co., Inc. 109 W. 57th St, New York City
Factory, Richmond Hill, N. Y.
Western Branch 443 South San Pedro St., Los Angeles, Calif.
The oldest exclusive radio manufacturer

Grebe Natural Speaker
$35

The
GREBE
SYNCHROPHASE
TRADE MARK REG. U.S. PAT. OFF.
RADIO

Grebe Synchrophase Seven
$135

Grebe Socket Powers

Type 128—"A" Supply—$60

Type 671—"B" and "C" Supply with cable—(less tube) $50

Type 671-B—"B" and "C" Supply with binding posts (less tube) $50

The Grebe Line Offers You an Unusual Opportunity *for* Profits

Grebe Synchrophase Seven $135

Grebe Natural Speaker $35

THE Grebe Synchrophase Seven has tone quality unrivaled for naturalness, and ease of operation remarkable for simplicity.

Eye-value, plus unvarying performance, means quick sales and satisfaction.

This set, with the Grebe Synchrophase Five, the Grebe Natural Speaker and Grebe Socket Powers, makes a line that assures good sales and real profits to live dealers.

Type 671

Grebe Socket Powers

Type 671—"B" and "C" Supply, with cable (less tube) $50

Type 671-B "B" and "C" Supply, with binding posts—(less tube) $50

Booklet AJ gives full details—send for it

GREBE SYNCHROPHASE RADIO

A. H. Grebe & Company, Inc., 109 West 57th Street, New York City

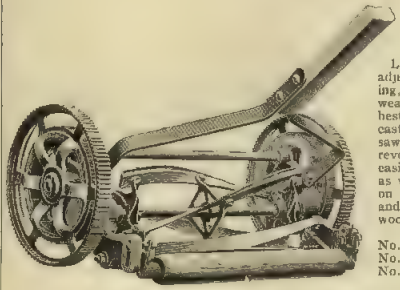
Factory. Richmond Hill, N. Y *Western Branch:* 443 S San Pedro St., Los Angeles, Cal.

The oldest exclusive radio manufacturer

LAWN MOWERS

GREENWOOD HIGH WHEEL BALL-BEARING
Style F

Width of cut: 14, 16, 18 inches



Light and graceful appearing, yet very substantial; adjustable throughout, silent in operation, self sharpening, cones and cups made of best tool steel, will never wear or require adjusting; ground perfect and dust proof; best quality steel balls, patented ball retainer; crucible cast steel blades tempered in oil; detachable tempered saw steel bed-knife, driving wheels, 10-inch diameter; revolving cutter, 6-inch diameter; this mower can be easily cleaned, taken apart and put together by a novice as well as by mechanics; stationary knife-bar pivoted on cones; four revolving blades; hand painted and striped, grass catcher attachment; varnished hardwood handle and hardwood roller.

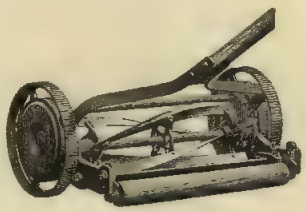
	Price Each
No. 1014—14″	$ 18.00
No. 1016—16″	18.75
No. 1018—18″	21.00

LEADER HIGH WHEEL—Style S
Ball-Bearing

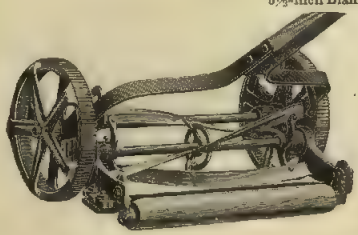
Width of cut, 14, 16, 18 inches

These are reliable, medium price high wheel lawn mowers—guaranteed the easiest pushing ever offered, ball-bearing cones and cups are made of tempered tool steel, and will never wear or require adjustment, full ⅝ inch diameter revolving cutter shaft, making very stiff revolving cutter, note convenient adjustment of stationary knife-bar, which is pivoted on cones, driving wheels, 9 inches, in diameter; revolving cutter, 5¼-inches in diameter, four or five revolving blades of crucible steel, tempered saw steel stationary blades; varnished hardwood handle; hardwood roller, patented ball-retainer, self-sharpening, grass catcher attachment; hand painted and striped

	Price Each
No. 914—14″	$ 16.00
No. 916—16″	$ 16.75
No 918—18″	17.25



TERRACE SPECIAL—Style PP
Four Revolving Blades, 8-inch Diameter Wheels, 5½-inch Diameter Cutter.



Width of cut 12, 14, 16 inches

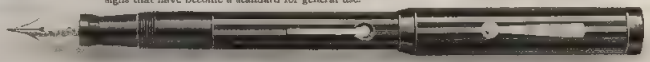
Terrace cutting attachment for handle; all blades crucible steel, ball pivoted bed-knife; grass-catcher attachment all shafting full ⅝-inch diameter, self-sharpening, hand painted and striped, varnished hardwood handle, hardwood roller.

	Price Each
No. 812—12″	$ 11.25
No 814—14″	12.00
No. 816—16″	12.50

Grieshaber Fountain Pens

A Symbol of Quality

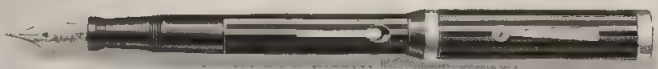
FULLY Guaranteed. Materials are of the highest quality. Pen points are 14K. All models illustrated are actual size and are of the self-filling type, in the conventional designs that have become a standard for general use.



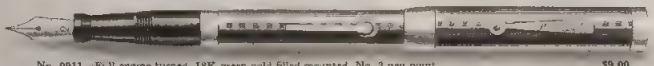
No. 0903—Ribbon Chased with 18K gold filled clip. No. 2 pen point $3.00
No. 0904 Ribbon Chased with 18K gold filled clip. No. 3 pen point 3.50

No. 0905—Ribbon Chased with 18K Gold Filled Clip, No. 4 pen point $4.50
No. 0906 Ribbon Chased with 18K Gold Filled Clip, No. 5 pen point 5.50
No. 0907 Ribbon Chased with 18K Gold Filled Clip, No. 6 pen point 6.50

No. 0908 Ribbon Chased with 18K gold filled clip, and band, No. 2 pen point $4.00
No. 0909 Ribbon Chased with 18K gold filled clip, and band, No. 4 pen point 5.50



No. 0910—A very distinctive design with two narrow gold filled bands and clip on cap, No. 4 pen point $5.00

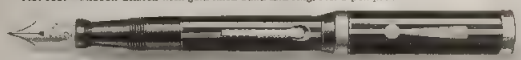


No. 0911—Full engine turned, 18K green gold filled mounted, No. 2 pen point $9.00

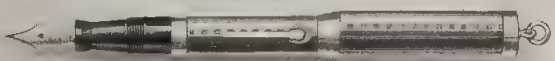
No. 0912—"BABY GRAND" plain black holder No. 1 pen point $2.00
No. 0913 As above, in the following colors, red, green, Alice blue, and coral, with silk cord to match. $4.00

No. 0914—Ribbon Chased with screw ring in cap, No. 2 pen point $2.75
No. 0915—Ribbon Chased with screw ring in cap, No. 3 pen point 3.25

No. 0916 Ribbon Chased with gold filled band and ring, No. 2 pen point $3.25
No. 0917 Ribbon Chased with gold filled band and ring, No. 3 pen point 3.75



No. 0918 A neat ladies' pen with two narrow gold filled bands and clip, No. 2 pen point $4.00
No. 0919 Same as above, with ring in cap instead of clip 4.00



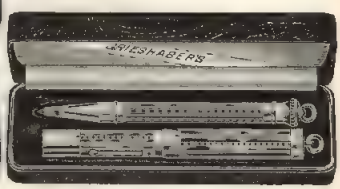
No. 0920 Full engine turned 18K green gold filled mounted, No. 2 pen point $7.50

THESE SETS ARE LUXURIES NO LONGER

Fountain pen with pencil to match, in gold filled, sterling silver, rubber and colored material. Ladies' combination sets have ring on end of both fountain pen and pencil, while the gentlemen's sets have pocket clips. Every article is guaranteed to give entire satisfaction. All sets are in high grade presentation boxes.

Ladies' combination set. Fountain pen is of hard black rubber with two gold filled bands on cap. Pencil to match. The pen is self filling
J3691. Per set **$7.70**
Gentlemen's combination set. Same as the ladies' set but in gentlemen's size. Gold filled band and clip
J3692. Per set **$7.70**

J3693. Gentlemen's Combination Set. Green gold filled engine turned pattern. Self-filling fountain pen **$17.50**



J3694. Ladies' Combination Set. Green gold filled engine turned pattern. Self filling fountain pen **$16.50**

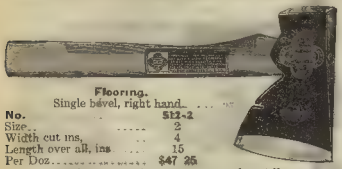
Gentlemen's combination set containing black hard rubber, straight line chased pen with No. 6 point. Hard rubber pencil to match
J3695. Per set **$11.50**

HATCHETS

—BLUE GRASS—

Forged in one piece from extra quality crucible steel, hand tempered and tested, sharpened ready for use. Extra quality second growth hickory handles.

—BLUE GRASS—Rustless Black Finish, Deep Etched. Red Filled.



Flooring.

Single bevel, right hand

No.	512-2
Size	2
Width cut ins	4
Length over all, ins	15
Per Doz	$47 25

Half doz in cardboard box; wt per doz 52 lbs.

Forged from one piece extra quality crucible steel, hand tempered and tested, sharpened ready for use. Extra quality, second growth white hickory handles.

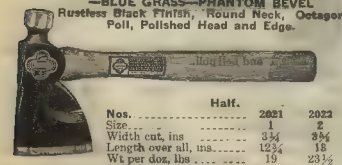
—BLUE GRASS—PHANTOM BEVEL
Rustless Black Finish, Round Neck, Octagon Poll, Polished Head and Edge.

Shingling.

Nos.	2011	2012
Size	1	2
Width cut, ins	3½	3⅝
Length over all, ins	12¾	14
Wt per doz, lbs	20	24
Per Doz	$37 50	39 00

Half doz in cardboard box.

—BLUE GRASS—PHANTOM BEVEL
Rustless Black Finish, Round Neck, Octagon Poll, Polished Head and Edge.

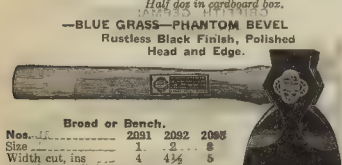


Half.

Nos.	2021	2022
Size	1	2
Width cut, ins	3¼	3⅝
Length over all, ins	12¾	18
Wt per doz, lbs	19	23½
Per Doz	$37 50	39 00

Half doz in cardboard box.

—BLUE GRASS—PHANTOM BEVEL
Rustless Black Finish, Polished Head and Edge.



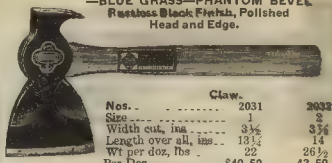
Broad or Bench.

Nos.	2091	2092	2093
Size	1	2	3
Width cut, ins	4	4½	5
Length over all, ins	14¼	15½	16
Wt per doz, lbs	22	28	33
Per Doz	$46 50	51 00	54 75

Half doz in cardboard box.

HATCHETS

—BLUE GRASS—PHANTOM BEVEL
Rustless Black Finish, Polished Head and Edge.



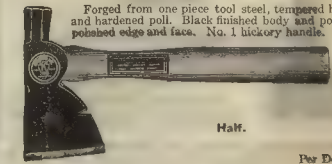
Claw.

Nos.	2031	2032
Size	1	2
Width cut, ins	3½	3⅝
Length over all, ins	13¼	14
Wt per doz, lbs	22	26½
Per Doz	$40 50	43 50

Half doz in cardboard box.

—KEYSTONE—

Forged from one piece tool steel, tempered bit and hardened poll. Black finished body and poll; polished edge and face. No. 1 hickory handle.



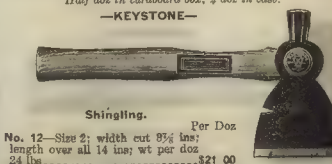
Half.

Per Doz

No. 22—Size 2; width cut 3¼ ins; length over all 13½ ins; wt per doz 28 lbs. $21 00

Half doz in cardboard box; ½ doz in case.

—KEYSTONE—



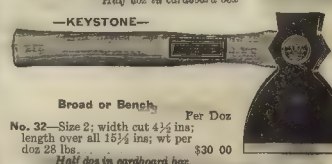
Shingling.

Per Doz

No. 12—Size 2; width cut 3⅝ ins; length over all 14 ins; wt per doz 24 lbs. $21 00

Half doz in cardboard box

—KEYSTONE—



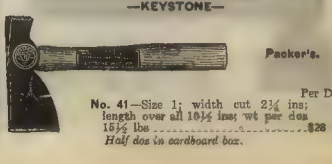
Broad or Bench.

Per Doz

No. 32—Size 2; width cut 4½ ins; length over all 15½ ins; wt per doz 28 lbs. $30 00

Half doz in cardboard box.

—KEYSTONE—



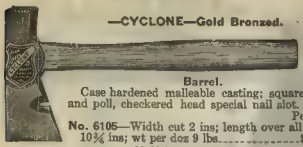
Packer's.

Per Doz

No. 41—Size 1; width cut 2¼ ins; length over all 10½ ins; wt per doz 15½ lbs. $28 50

Half doz in cardboard box.

HATCHETS



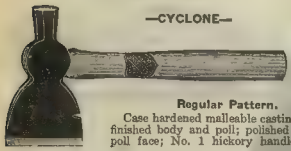
—CYCLONE—Gold Bronzed.

Barrel.
Case hardened malleable casting; square neck and poll, checkered head special nail slot.

Per Doz

No. 6105—Width cut 2 ins; length over all 10¾ ins; wt per doz 9 lbs.....$17 25

Half doz in cardboard box.



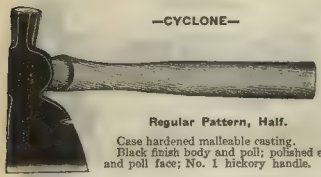
—CYCLONE—

Regular Pattern.
Case hardened malleable casting. Black finished body and poll; polished edge and poll face; No. 1 hickory handle.

Per Doz

No. 5120—Size 2; width cut 3¾ ins; length over all 14 ins; wt per doz 22 lbs.....$12 75

Half doz in cardboard box.



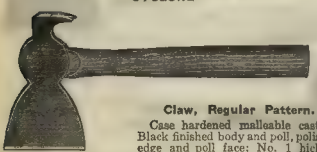
—CYCLONE—

Regular Pattern, Half.
Case hardened malleable casting. Black finish body and poll; polished edge and poll face; No. 1 hickory handle.

Per Doz

No. 5220—Size 2; width cut 3½ ins; length over all 14 ins; wt per doz 22 lbs.....$12 75

Half doz in cardboard box.



—CYCLONE—

Claw, Regular Pattern.
Case hardened malleable casting. Black finished body and poll, polished edge and poll face; No. 1 hickory handle.

Per Doz

No. 5420—Size 2; width cut 3¾ ins; length over all 14 ins; wt per doz 23 lbs.....$12 75

Half doz in cardboard box.

HATCHETS

GRIFFITH (GERMANTOWN),
Olive Bronzed, Polished Bit.
Regular Pattern.
First quality, solid forged tool steel, hardened poll, tempered bit, white hickory handles.

	Shingling.	
Nos.	**326**	**327**
Size	1	2
Width cut, ins	3⅝	3⅞
Length over all, ins	13	14
Wt per doz, lbs	20	26
Per Doz	$37 50	40 50

Half doz in cardboard box.

GRIFFITH (GERMANTOWN).

Half, Regular Pattern.

Nos.	**336**	**338**	**340**
Size	1	2	3
Width cut, ins	3¼	3½	3¾
Length over all, ins	13	14	14
Wt per doz lbs	22	24	30
Per Doz	$37 50	40 50	43 50

Half doz in cardboard box.

GRIFFITH (GERMANTOWN),

Half, Car Builders' Pattern, Octagon neck and bell poll.

	Fire Bronzed.		
Nos.	**317½**	**318**	**318½**
Size	1	2	3
Width cut, ins	3¼	3½	3¾
Length over all, ins	13	14	13½
W per doz, lbs	22	24	30¾
Per Doz	$45 00	48 00	51 75

Half doz in cardboard box.

GRIFFITH (GERMANTOWN),
Half, Haines Pattern.

Adze eye, round neck, bell poll, thin bit.

No.	**316**
Size	2
Width cut, ins	3½
Length over all, ins	12¼
Wt per doz, lbs	20
Per Doz	$60 00

Half doz in cardboard box.

"Gripmor"
Hose Supporter
"Birds of a feather flock together"
HENCE "Gripmor" WITH THE FINER CORSETS
The Wilder Button Protects the Hosiery
AMERICAN NARROW FABRIC CO., WORCESTER, MASS.

Courtesy of Davis Press

133 Screen Combination Line and Halftone Plate

ONE OF A SERIES OF ADVERTISEMENTS

Reproduced from Retouched photograph and Wash drawing. Pen drawing of trade-mark and proof of type

Designed and Engraved by CARLTON ENGRAVING COMPANY, WORCESTER, MASS.

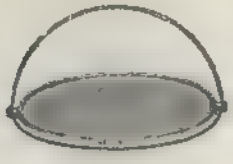
CAST IRON HOLLOW WARE.

EXTRA POLISHED FINISH.

GRIDDLES.

HANDLED.

NOS.	27	28	29	210
Diameter top	8	9	9½	11 in.
Diameter bottom	6	7	8¼	9 in.
Depth	1¼	1¼	1⅛	⅝ in.
Weight each	1½	2	2½	3 lbs.
List each	$0 80	.88	1 00	1 30
Net each	$1 28	1 42	1.60	2.08



BAILED.

NOS.	312	314	316
Diameter top	11½	13½	15½ in.
Weight each	4	6½	8½ lbs.
List each	$1.50	1.90	2.30
Net each	$2.40	3.04	3.68

LONG, SQUARE END.

NOS.	148	149	1410
Length	19	21	24½ in.
Width	8½	9½	12½ in.
Weight each	8½	10½	16½ lbs.
List each	$1.70	2.20	3.20
Net each	$2.72	3.52	5.12

LONG, ROUND END

NOS	48	49
Length	19	21 in.
Width	8½	9½ in.
Weight each	6	8 lbs
List each	$1.70	2 20
Net each	$2.52	3.52

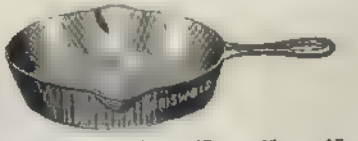
DANISH CAKE PAN.

SEVEN CAKES.

Net each

NO. 107 Diameter 9 in., weight 6½ lbs. each. List each $1 40 $2.24

SKILLETS.



NOS.	13	14	15	16	17
Dia. top	6½	6¾	8	8¾	9⅝ in.
Dia bot	5¼	5⅝	6¾	7½	8¼ in
Depth	1⅛	1⅛	1⅜	2	2¼ in
Wt. each.	1⅜	1⅝	2¼	3	3½ lbs
List each	$0.68	74	.80	86	92
Net each.	$1.10	1.20	1.28	1 38	1 46

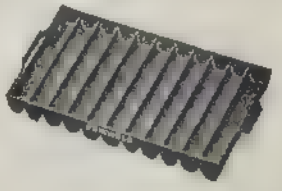
NOS.	18	19	110	112	114
Dia. top	10⅜	11½	11⅞	13½	15¼ in
Dia. pot	8⅞	9⅝	10¼	11¾	13⅛ in.
Depth	2¼	2⅜	2½	2¾	3⅛ in.
Wt. each.	4¼	5	5½	6½	8 lbs.
List each	$1.00	1.24	1.48	2.20	3 00
Net each	$1.60	2.00	2.36	3.52	4.80

COVERS FOR GRISWOLD SKILLETS.

Griswold Close Fitting Self Basting Cover.

NOS.	467	468	469	470	472
Size Skillet	7	8	9	10	12
Size top.	9¾	10⅝	11⅜	11¾	13⅜ in
List ea	$0.75	95	1 00	1 25	1 65
Net ea	$1 20	1.52	1 60	2 00	2.64

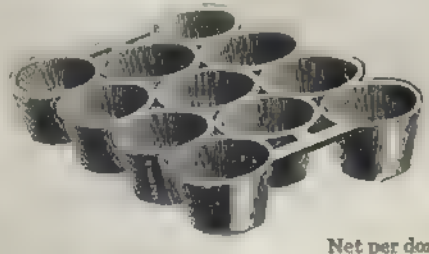
CORN BREAD PANS.



Net per doz.

NO. 22 Size 13½x7⅜ in., cakes 7x1¾ in each, weight 60 lbs. per doz. List per doz. $12.00 $19.20

GEM PANS.



Net per doz.

NO. 19—Size 10½x7⅛ in., cake 2½x1⅝ in. each, weight 87 lbs. per doz. List per doz. $12.00 $19.20

SCOTCH BOWL

NOS.	122	123	124	125
Dia top	9⅜	10⅜	11½	12 in.
Dia bot	4⅜	5⅜	6¼	6¾ in
Depth	3⅜	4⅛	4⅜	4¾ in
Cap. qts.	3	4	5	6
Wt each	3½	5⅜	7	7½ lbs
List each	$1 40	1 64	1 84	2 00
Net each	$2.24	2.62	2.94	3.20

YANKEE BOWL.

NOS.	132	133	134	135
Dia top	9½	10⅜	11¼	11⅞ in
Dia bot	5½	5½	5¾	6¼ in
Depth	5¼	6	6½	7⅛ in
Cap. qts.	4	6	7	9
Wt each	5½	6⅝	7⅜	9 lbs
List each	$1 76	1 96	2 20	2 50
Net each	$2.82	3.16	3.52	4.00

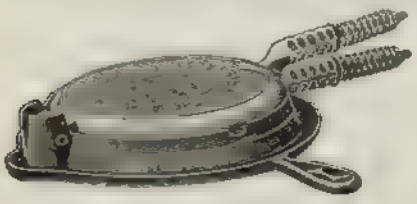
IMPROVED DUTCH OVEN AND TIGHT-TOP BASTER.

WITH BAIL, FLAT BOTTOM.

NOS.	148	149	1410
Diameter top	10	11	12½ in.
Diameter bottom	9	10¼	11 in.
Depth	4½	4⅞	5⅛ in
Cap. qts.	5	6	8
List each	$3 00	$ 40	4 90
Net each	$4.80	5 44	7.84

WAFFLE IRONS.

Every pan is cast with uniform thickness, even to the outer edge where thickness is necessary to hold heat for a well baked cake. Ball joints which revolve in the frame at any angle. Grooved rings to catch the overflow. Alaska cold wire handles, set in air cooled sockets.



Low Base for No. 8 Stove Hole.

CAST IRON. Net per doz.

NO. 28—Diameter of pan 7½ in., diameter bottom of ring 9⅞ in., weight per doz. 120 lbs. List per dozen $32.00 **$28.00**

Cast Aluminum Pan, Iron Japanned Base.

NO. 608—Diameter of pan 7½ in., diameter bottom of ring 9⅞ in., weight 100 lbs. per doz. List per doz. $66.00 **$66.00**

High Base for No. 8 Stove Hole.

CAST IRON. Net per doz.

NO. 218—Diameter of pan 7½ in., diameter bottom of ring 9⅞ in., weight 162 lbs. per dozen. List per doz. $38.00 **$38.00**

Cast Aluminum Pan, Iron Japanned Base.

NO. 618—Diameter of pan 7½ in., diameter bottom of ring 9⅞ in., weight 140 lbs. per dozen. List per dozen $72.00 **$72.00**

High Base for No. 8 Gas or Vapor Stoves.

CAST IRON. Net per doz.

NO. 68—Size of pan 6¾x6¾ in., size of cake 3¼x3¼ in., size of frame 10x10 in., weight 162 lbs. per dozen. List per dozen $38.00 **$38.00**

WAFFLE IRONS.

Interior arrangement is of such a nature that the waffle is of uniform thickness throughout, making waffles evenly baked.

Each plate can be lifted from base independent of the other. This is a great convenience especially for washing.

These irons also have black enameled wood handles with metal ferrule which prevents the wood from splitting. There is a large groove on bottom of base of ring which catches any grease or batter that flows from the plates.

Ball and Socket Pattern.

Japanned Rim, Wood Handles. Net per doz.

NO. 8—For No. 8 stove hole, low base, weight 100 lbs. per dozen. **$24.00**

NO. 18—For No. 8 stove hole, high base, weight 114 lbs. per dozen. **$34.00**

PATTY IRONS.

SHALLOW. Net per doz. sets

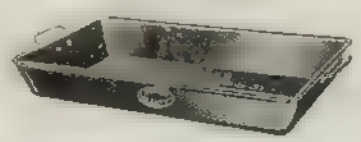
NO. 11—Weight ⅞ lb. per set. List per dozen sets $14.00 **$8.00**

DEEP. Net per doz. sets

NO. 12—Weight 1¼ lbs. per set. List per dozen sets $14.00 **$8.00**

DRIPPING PANS.

BLACK BEAUTY.



In the Fastest Selling Numbers.

Made with full rounded sanitary corners and bottom edges. Rims reinforced with heavy wire. Two handles. Rims neatly rolled around the wire. Made of polished blue steel, stamped with trademark and size.

Size	Weight Per Doz.	Net Per Doz.
7x10 in.	8 lb.	$1.80
7x14 in.	12 lb.	2.40
8x10 in.	11 lb.	2.00
8x12 in.	12 lb.	2.32
8½x15 in.	14 lb.	2.80
9x14 in.	14 lb.	2.70
9x17 in.	16 lb.	3.10
10x12 in.	14 lb.	2.76
10x14 in.	14½ lb.	3.06
10x17 in.	18 lb.	3.16
11x16 in.	18 lb.	3.76
12x17 in.	20 lb.	4.00
12x19 in.	22 lb.	4.38
14x17 in.	18 lb.	4.50
16x17 in.	26 lb.	4.96
18x19 in.	32 lb.	5.86

THREE DOZEN IN A CRATE

Display Stands Furnished Gratis With Stock Orders.

For a high grade metal ware line, nothing excels the Atlantic. This we distribute for our territory.

"Pagoma" goods are all guaranteed

TIMERS
(STOP WATCHES)

TRACK MEETS, BASKETBALL, FOOTBALL, AND TECHNICAL REQUIREMENTS

GUARANTEED HIGH GRADE, IMPORTED MOVEMENTS.

Special price quoted on quantity orders

GALLET PLAIN TIMER

This is the most popular Timer. It is used by civil engineers, chemists and other technical people for various experiments. Sportsmen find it invaluable in the many forms of competition to which accurate timing is indispensable. Fifth-second, thirty-minute register; start, stop and fly back from crown; six-jewelled lever movement.

W2548. Nickel Case $15.40

GALLET TIME STUDY
PRODUCTION TIMER

Every factory needs one or more of these timers. They are essential in figuring costs, and are invaluable in ascertaining the production of a machine, a workman or an operation of any kind.

This timer is used to determine the number of operations performed in an hour by timing a single operation.

Thirty-minute register; fly back from crown, side slide for starting and stopping; six jeweled, lever movement.

W2551. Nickel Case $18.90

GALLET DECIMAL TIMER

Used extensively in factories and laboratories where production and experiments demand accurate, dependable timing, the Gallet Decimal Timer has always proven its merit.

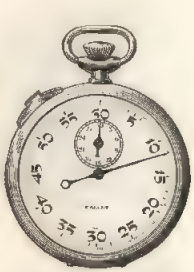
Fifth-second, thirty-minute register; fly back from crown, side slide for starting and stopping; six jeweled, lever movement.

W2554. Nickel Case $17.50

PASTOR CHRONOGRAPH

Inexpensive, but sturdy and reliable. Fifth-second or Tenth-second reading. Nickel case. Unbreakable crystal. Does not register minutes.

W 2549. ..... $11.20

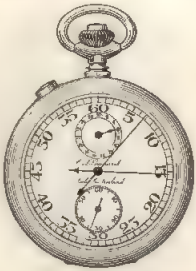


GALLET FOOTBALL AND BASKETBALL TIMER

Correct timing is assured by using this model which is especially useful for sports such as FOOTBALL and BASKETBALL where it is necessary to deduct time when play is interrupted.

Fifth second, thirty-minute register; fly back from crown, side slide for starting and stopping; six jeweled, lever movement.

W2552. Nickel Case $17.50



C. L. GUINAND'S SPLIT TIMER

Fifth-second, thirty-minute register; start, stop and fly back from crown, side push for the split-second hand; fine, jeweled, nickel, lever movement.

W 2553. Nickel Case—7 Jewels, Guinand $49.70
W 2553L Nickel Case—6 Jewels, Gallet without second hand. Dial like W2552 37.10

GALLET 100-SECOND TIMER
FOR DIRECT READING IN SECONDS

This model is used largely by oil refiners when making Viscosity tests.

Registers up to 3,600 seconds, start, stop and fly back from crown six jeweled, lever movement.

W2550. Nickel Case $16.10

GALLET 1/10-SECOND PLAIN TIMER

This watch is particularly useful where extremely precise timing is necessary.

The keenest competition exists in our athletic events today, and many of the leading athletic associations and colleges throughout the country have decided to time races in tenths of seconds instead of fifths of seconds.

Tenth-second, fifteen-minute register; start, stop and fly back from crown; six jeweled, lever movement.

W2555. Nickel Case $16.10

C. L. GUINAND'S CHRONOGRAPH MINUTE REGISTER

Fifth-second start, stop and fly back from crown, fine, jeweled, lever movement.

W 2557. Nickel Case—17 Jewels $83.00

Playing Cards and Cases

Playing Cards. Good quality enameled stock, perfect slip, fine finish, large indexes, fancy backs, made in regulation decks to be used for almost any game, 52 cards and joker to a deck.

No. 3485. Per dozen..... **3.85**

No. 3481

"Pyramid Special" Playing Cards. Made in Belfast Linen finish. Printed in red and blue backs. Recommended for all social games and church affairs. Put up one dozen assorted red and blue in box. Can be had in 52 card regular pack with joker and pinochle.

No. 3481. Regular. Per doz. **3.25**
No. 3482. Pinochle. Per doz. **3.25**

"BICYCLE"

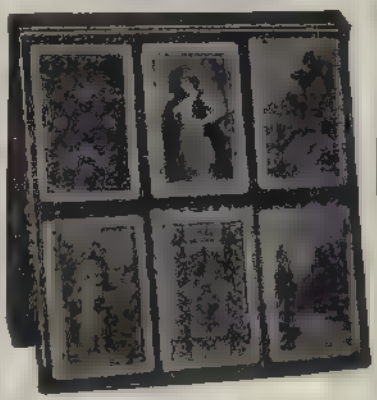
Bicycle Playing Cards. Air cushion finish, comes in various artistically designed backs. Can supply standard size regulation packs, 52 cards and joker, standard size pinochle 48 cards, 9 spot low, and French size Bridge Whist.

No. 3808. Bicycle.
Per dozen..... **4.35**

No. 348. Bicycle Pinochle.
Per dozen..... **4.35**

No. 388. Bicycle Bridge.
Per dozen..... **4.35**

"CONGRESS"



Congress Playing Cards. Well known. Finest linen stock highly enameled finish, gold edges. An assortment of artistic backs in rich colors and gold. Bridge size only. Put up in neat telescope cases, 6 to class. Each 6 display carton. Least sold 1 carton.

No. 3806. Per dozen..... **7.65**

Playing Cards in Case. Case is in book form made of fancy grain leather, asst. color, turned in edges, full lined, stiff covers, leather fastener, fitted with high grade enameled calendered stock playing cards, held securely in case.

No. 358100. Per dozen..... **4.00**

Playing Card Cases. Genuine leather, fancy leaf design. Leather strap roll holding one pack of first grade Congress Bridge size, pack of finest grade Congress gilt edge fancy back playing cards. Will positively not injure the cards.

No. 358105. Per dozen..... **8.50**

GYPSY WITCH FORTUNE TELLING CARDS

CAN ALSO BE USED FOR REGULAR CARD GAMES

Gypsy Witch Fortune Telling Cards. Consists of 52 cards, handsomely illustrated and beautifully finished. One of the most interesting and fun making card games produced. Each pack in gold stamped telescope case. One dozen in carton.

No. 358110. Per dozen..... **6.00**

TWO-PACK PLAYING CARD CASE

Two-pack Playing Card Case. Book form. Made of heavy stock French grease leather, in beautiful shades of blue, green and pink. Lined with a moire finish karatol. Stiff covers, leather strap with snap fastener. Complete with 2 decks of the well known Congress gilt edge picture back playing cards. Specify color wanted.

No. 358106. Each, complete.. **1.75**

Poker Chips, Score Cards, Card Punch

Composition Plain Poker Chips, are made of hard composite compressed by hydraulic machine, polished smoothly, are as beautiful as enamel. These are light and neat. Equal to fine celluloid goods. Packed 100 in box, assorted, 50 white, 25 blue, 25 red

No.	Size	Per 1000	Per 100
3282.	1¼ in.....	4.50	.50
3284.	1½ in.....	5.25	.55

"Shure Winner" Paper Poker Chips. Made of compressed paper, very hard, smooth finely finished round edges, noiseless. A light and serviceable poker chip that is practically indestructible. Has Jockey design on both sides, size 1½ inch. 100 assorted in box, 50 white, 25 red and 25 blue.

No. 32340.

Per 1000... 4.00 | Per 100.... .45

WOODEN

Wooden Poker Chips. Size 1½ in., regulation thickness, made of special wood, with beveled edge will not break. A poker chip that is well finished, durable and will give satisfaction. Comes in assorted colors—50 white, 25 red, and 25 blue in box.

No. 3285.

Per 1000... 3.75 | Per 100.... .40

RUBBER

Rubber Poker Chips, made of genuine flexible rubber, positively noiseless, durable and long lasting, will not break, well finished. Packed 100 in box assorted 50 white, 25 blue, 25 red. Can also be had 100 of a solid color to box. Size 1½ inch.

No. 32333. Assorted.
No. 32334. Red
No. 32335. White.
No. 32336. Blue

Per 1000.. 12.00 Per 100... 1.25

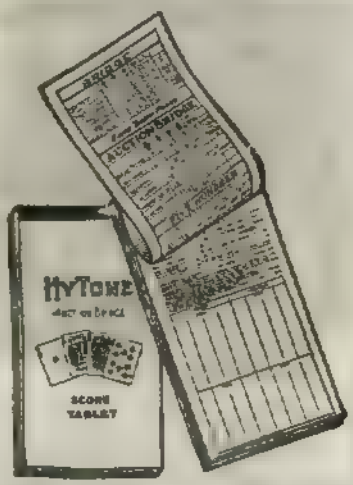
Engraved Poker Chips

Engraved Poker Chips, composition, packed 100 assorted, 50 white, 25 red and 25 blue. Can be had in the following designs

No. 3287. Prince of Wales.
No. 3288. Crown.
No. 3289. Eagle
No 32810. Elk

Per 1000.. 18.00 | Per 100... 1.85

Score Pad



Latest rules. 40 sheets. Size 4¼x8¼ inches. Packed one dozen. No less sold

No. 34865. Auction Bridge.
Per dozen..... .75
No. 34868. 500, per dozen.... .75
Score Cards. Printed in red and blue, assorted 100 in package No less sold. Size 3¾x6¼ inches.
No 34850. Bunco, per 100.... .25
No. 34852. Auction Bridge.
Per 100..... .25
No. 34854. 500, per 100..... .25
No. 34856. Bridge Whist.
Per 100 ..... .25
No. 34851. Bunco, 3⅛x3⅞ in.
Per 100 ..... .20

Dice Sets

A Pocket Outfit

Dice Sets. A very popular dice set, made up of five miniature bone corner dice in a spiral shaped cup of nickeled finish metal complete with cover

No. 3353.
Per gross 8.50 | Per dozen.. .75

Tally Cards

Beautifully Tinted

Tally Cards, assorted tinted flower designs, silk tassel at end. Packed 100 in box.

No. 34861. Per 100..... 1.00

Tally Cards, assorted beautifully tinted sweet pea and scenic designs, silk tassel at end. Packed 100 in box.

No. 34862. Per 100..... 1.00

BRIDGE PENCILS

Bridge Pencils, in combination red and black colors, gilt stamping. Gilt tips with the four card suites in colors, square red rubber eraser. Length of pencil 4⅝ in. One dozen on an attractive display card with bridge score.

No. 3830. Per dozen. ..... .40

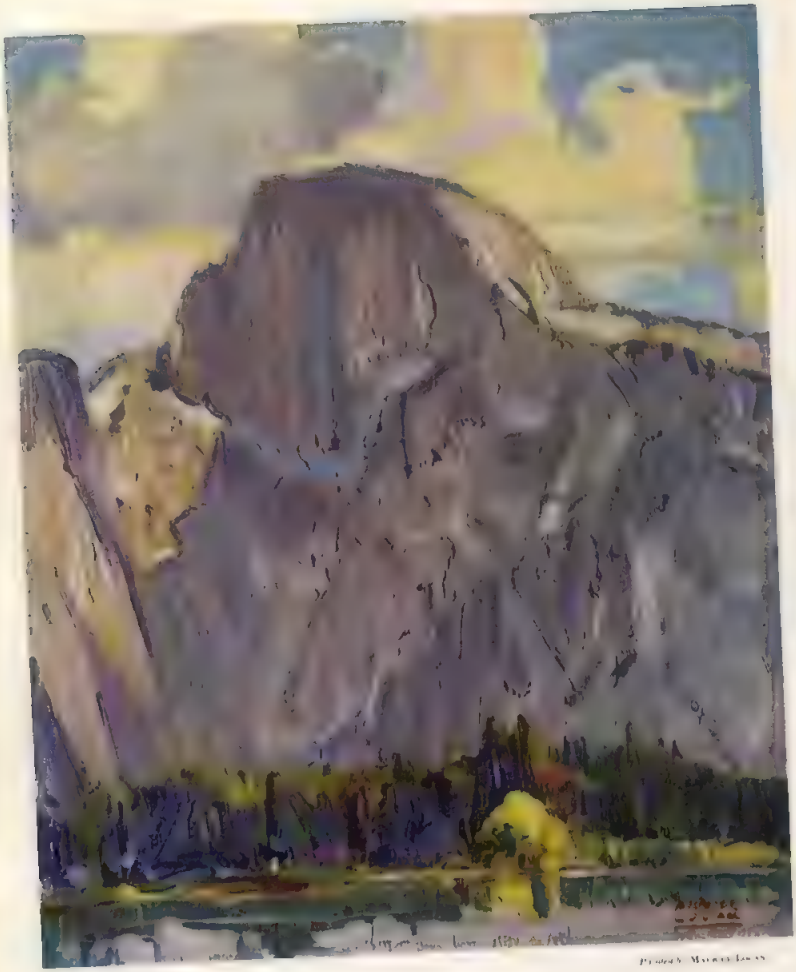
Tally Card Punch. Made of steel, nickel plated. Has reservoir for punchings, knurled handles. Packed 1 dozen in box. No less sold.

No. 69830. Per dozen..... 1.90

Dice Cups

Leather Dice Cup. Made of fine tan sole leather. Nicely made and well stitched. Size 3¾x2½ in.

Dozen 6.00
Each ..... .55



HALF DOME, YOSEMITE VALLEY

Engraved by STERLING ENGRAVING COMPANY SAN FRANCISCO • • *Printed by* SUNSET PRESS

HALL TEA POT ASSORTMENTS

NEW YORK SHAPE

BOSTON SHAPE

FRENCH SHAPE

Of secret process fireproof China. Made for service, heat-proof, non-crazing, stain-proof, non-absorbing. Gold decorations on rich dark body—colors of blue, green and brown.

No. H135—Assortment, consisting of 12 only 5 cup Tea Pots, assorted colors and shapes, w't per asst. 42 lbs. ..... per assortment **$36.65**

No. H1255—Assortment, consisting of 6 only 5 cup Tea Pots, assorted colors and shapes, w't per asst. 20 lbs. ..... per assortment **$18.55**

EARTHENWARE TEA POT ASSORTMENT

Jet Exterior and Interior

Most popular shape and sizes. Highly glazed finish.

Assortment Contains:

2 only 24s (8 cup)
4 only 30s (6 cup)
6 only 36s (5 cup)

All with set-in lids.

No. H235—W't per asst. 65 lbs., per assortment **$15.00**

"OUR VERY BEST" is THE VERY BEST

EARTHENWARE TEA POT ASSORTMENT

Finished in Colored Glazes.

Assortment made up of equal quantities of pots finished in Pilgrim Blue glaze and a green and brown woodland mottled glaze.

Assortment Contains:

2 only 24s (8 cup)
4 only 30s (6 cup)
6 only 36s (5 cup)

All with set-in lids.

No. H245—W't per asst. 65 lbs., per assortment **$15.00**

DINNER SETS

AMERICAN PORCELAIN

French Rose Pattern. Very attractive rose spray with color edge line on fancy embossed Haviland shape. The fancy embossed edges of this ware enhance its value.

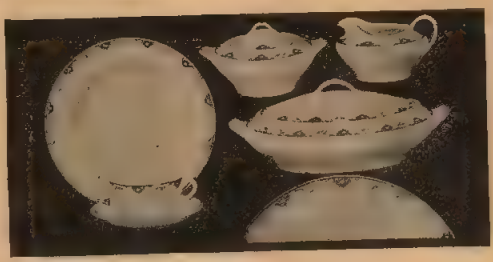
Nos.	H8742	H8750	H87100
Pieces to set	42	50	100
Approx w't, lbs.	40	50	90
Per set	$12.45	19.45	36.65

ONE SET IN A PACKAGE. NO UNPACKING OR REPACKING, SEE BOTTOM OF PAGE FOR COMPOSITION OF SETS

"VOGUE" Border Pattern. Width ½ inch on Minerva shape. Light weight, pure white semi-porcelain. Festoon of roses on ivory background interspersed with blue medallions framing a pink rose. Checkered black and brown border.

Nos.	H88942	H88950	H889100
Pieces to set	42	50	100
Approx. w't, lbs.	40	50	90
Per set	$19.45	26.10	54.45

ONE SET IN A PACKAGE. NO UNPACKING OR REPACKING, SEE BOTTOM OF PAGE FOR COMPOSITION OF SETS



COMPOSITION OF SETS IN STOCK

42-PIECE SET

1 9-in. baker
1 1½-pt. bowl
1 creamer
1 11½-in. dish
6 5-in. fruits
6 6-in. plates
6 7-in. plates
6 9-in. plates
1 sugar covered
6 cups
6 saucers

50-PIECE SET

1 9-in. baker
1 1½-pt. bowl
6 8-in. coupe soups
1 10-in. covered dish
1 cream
1 11½-in. dish
6 5-in. fruits
6 6-in plates
6 7-in. plates
6 9-in. plates
1 sugar covered
6 cups
6 saucers

100-PIECE SET

1 9-in. baker
1 1½-pt. bowl
1 8-in. covered butter
1 8½-in. casserole
12 8-in. coupe soups
1 10-in. covered dish
1 cream
1 11½-in. dish
1 15½-in. dish
12 5-in. fruits
1 9½-in. pickle
12 6-in. plates
12 7-in. plates
12 9-in.. plates
1 sauce boat
1 sugar covered
12 cups
12 saucers

MAIL ORDER DEPARTMENT

Our constant attention in seventy-two years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

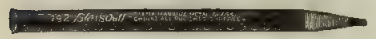
POCKET KNIFE PURSES

Kid. With glove button fastener.

No. 3 Length, 3½ inches. Width, 1 inch . . . Per Dozen, **$1.50**
No. 4 Length, 4 inches. Width, 1⅛ inches . Per Dozen, **1.50**
Four Dozen in a Box

HAMMER BRAND ADVERTISING HELPS

MARKING PENCILS



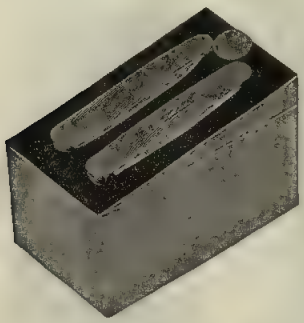
For marking cutlery. Will wipe off with chamois.

No. 17. . . . . . Each, $.

KNIFE OPENERS

No. 19. . . . . . Each, $...

POCKET KNIFE DISPLAY BOXES



Black leatherette box, green plush display top with celluloid lift button, stock can be kept in box.

No. 60 Width, 2½ inches; depth, 4 inches; height, 2¼ inches. . . . . Each. $...

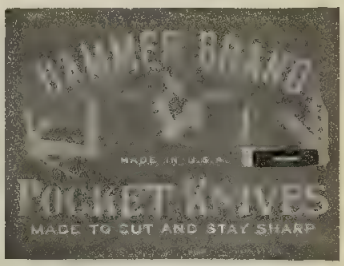
DISPLAY SIGNS

Narrow sign for front of showcase.

No. 51 Length, 15 inches; width, 2½ inches. . . . . Each, $...

HAMMER BRAND ADVERTISING HELPS

DISPLAY SIGNS



Hanging sign for window or store.

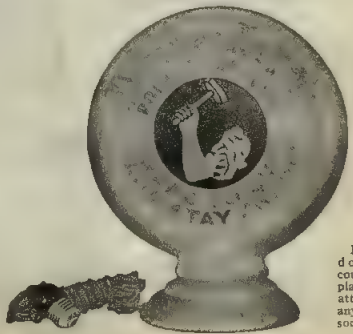
No. 32 Length, 15 inches; width, 11 inches . . . . . Each, $...

No. 14 No. 12

For window display etc.

No. 22 Length, 4 inches; width, 3 inches. . . . . Each, $...
No. 14 Length, 9 inches; width, 7 inches. . . . . Each, $...
No. 12 Length, 9 inches; width, 7 inches. . . . . Each, $....

FLASH LIGHT DISPLAY SIGNS

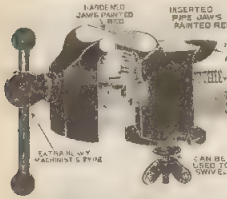


For window or counter display, can be attached to any light socket.

No. 21 Diameter, 10 inches. . . . . Each, $....

All The Above, Hammer Brand Advertising Helps Furnished Free With Orders For Hammer Brand Pocket Knives.

"AMERICAN" HOUSEHOLD OR GARAGE VISE


HARDENED JAWS PAINTED RED
INSERTED PIPE JAWS PAINTED RED
HORN ON ANVIL
FINE PITCH SCREW ALLOWS CLOSER TAKE UP
EXTRA HEAVY MACHINIST'S TYPE
CAN BE USED TO SWIVEL

This is a Thoroughly Well Made Steel, Draw Bar Vise. Body and Jaw of Semi-Steel, Jaws Hardened, Draw Bar Handle and Screw of Machine Steel. Square Machine Cut Thread, Fine Pitch of Screw Allows Closer Take-up. Jaws Ground to Perfect Fit, Knurled and Painted Red. Inserted Pipe Jaws Painted Red. Balance of Vise Finished in Black Enamel. Extra Heavy Machinist's Type Handle. Horn on Anvil. Bolt in Base Enables Use of Vise Stationary on Bench or to Swivel.

No.	Width Jaw Opens Ins.	Ins.	Wt. Ea. Lbs.	Each	As a Leader This Would Make a Wonderful Retail Value
A3	3½	3	16		

One in a carton.

HANDY VISE ASSORTMENT

Mounted on Malleable Stand Finished in Black Enamel with Gold Letters.

The Handy Vise is Made of Certified Malleable Iron and Will Not Break. Screw Best Quality Cold Rolled Steel with Square Acme Thread Which Makes Easy Working, Quick Opening and Closing. Equipped with Horn on Anvil. Finished in Black Duco.

Assortment:—
Six (6) 1½-Inch Jaw Vises Which Open 1¾ Ins.
Two (2) 2-In. Jaw Vises Which Open 2½ Ins.
Four (4) 2½-In. Jaw Vises Which Open 2⅝ Ins.

Per Assortment

No. 12 –Including Display Stand.....

VISES PARKER

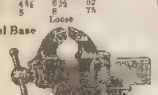
Stationary Base

Parallel Solid Steel Faced Jaws.

Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
P102	3½	6½	25	
P103	3½	6	31	
P104	4½	6½	48	
P105	4½	6½	52	
P106	5	6	75	

Loose

Swivel Base



Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
P202	3½	5½	29	
P203	3½	5	37	
P204	4½	5½	82½	
P205	4½	6½	68	
P206	5	6	86	

Loose

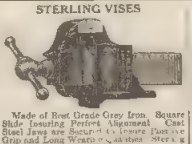
Parker's Pipe Combination Swivel Base

Steel Faces are Machine Fitted to Jaws and are Renewable.

No. 87 Width of Jaw 3½ Ins., Opens 4½ Ins. Holds Pipe 2 Ins. and Under. Weight 41 Lbs. Each

No. 88 Width of Jaw 4½ Ins., Opens to 6 Ins. Holds Pipe 3 Ins. and Under. Weight 80 Lbs.

STERLING VISES



Made of Best Grade Grey Iron. Square Slide Insuring Perfect Alignment. Cast Steel Jaws are Serrated to Insure Positive Grip and Long Wearing Qualities. Steel Screw Full Warranted.

Stationary Base

No. 245—3 In. Jaw Opens 3½ In. Wt. 17 Lbs. Each

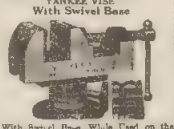
No. 25—3½-In. Jaw Opens 4 In. Wt. 22 Lbs.

No. 26—4-In. Jaw Opens 5 In. Wt. 34 Lbs.

No. 27—4½-In. Jaw Opens 6 In. Wt. 42 Lbs.

No. 28—5-In. Jaw Opens 7 In. Wt. 72 Lbs.

YANKEE VISE With Swivel Base



With Swivel Base, While Used on the Bench the Vise Proper Can be Quickly Detached from Base, and Without Removing Work from Vise Can be Used on Bench Drill etc and Returned to Base Again.

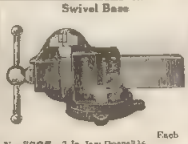
This is a New Feature in Vise and One That Will be Quickly Appreciated by the Best Mechanics Where Work can be Held Rigidly in the Vise and While so Held be Worked on by Either Hand or Machine.

The Upper Part of Swivel Base has a Taper Part to Receive Corresponding Part of Vise Proper and with Set Screw in One End to Force Taper into Position. Thus Clamping Vise and Base Perfectly Rigid.

No.	With Swivel Base	Each
1001		
1002		
1003		

One Only in a Box.

Swivel Base



No. 5285—3 In. Jaw Opens 3½ Ins. Wt. 20 Lbs. Each

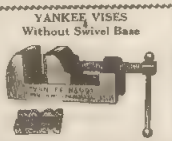
No. 530—3½-In. Jaw Opens 4 Ins. Wt. 24 Lbs.

No. 531—4-In. Jaw Opens 5½ Ins. Wt. 36 Lbs.

No. 532—4½-In. Jaw Opens 6 Ins. Wt. 52 Lbs.

No. 533—5 In. Jaw Opens 7 Ins. Wt. 81 Lbs.

YANKEE VISES Without Swivel Base



Without Swivel Base They Can be Used on Bench or on a Bench Drill or Other Stand. Machine.

The Vise Proper Has Body and Sliding Jaw of Cast Iron with Hardened Steel Faces. It is Accurately Machined All Over so it Can be Used on Either Side or End as Well as on Base in Drill Press, etc. A Hardened Steel Block with L-Shaped Grooves is Provided for Holding Round or Irregular Shaped Work.

Nos.	Without Swivel Base	Each
991		
992		
993		

One Only in a Box.

NEW! GARAGE VISE Parker "Hercules"

Heavy Anvil, Renewable Steel Anvil Renewable Steel Jaws, Swivel Base, 360 Degrees Gripping Power. Solid Underportion in Slide.

Nos.	Wt. Lbs.	Width Jaws Ins.	Handle Stays Where Put. Jaws Open Ins.	Each
234	80	4	5½	
236	104	5	6	

Parker Oval Slide

Cast Iron Japanned. Polished Steel Faced Jaws. Polished Steel Screw and Sliding Handle.

Nos.	Jaw Open Ins.	Wt. Lbs.	Each
30	2½	8½	
31	3	12	
32	3½	19	
33	4	28	

Loose.

Send Us Your Mail Orders

Hand Decorated Art Metal

Ash Tray

Per doz.
N71250—ASH TRAY—Finished in two colors with gold shading and metal floral ornaments decorated in colors to harmonize. Ash trays are equipped with crystal glasses, emerald green for red tray and amber iridescent for green tray. Packed 4 trays in a box, one red and two green, not broken 14.40

Fruit Bowl

Each
N71252—FRUIT STAND—Oxidized silver color tone only, red enamel with loop ball pendants. Bowl is 8 inches in diameter and is ruby iridescent 2.80

Wall Vases

Per doz.
N71254—WALL BUD VASE—In two colors gold orange and blue. The bracket for these vases is of metal and is finished in red with gold shading. Packed ¼ dozen in a box, not broken 16.00

Per doz.
N71255—WALL VASE—Same as above only that the bracket is lacquered green. Packed ¼ dozen in a box, not broken 16.00

Each
N71271—WALL BUD VASE—Has a top per style vase in two colors blue and green iridescent. Holder finished in green lacquer with gold shading. Under, 5 inches. Packed one in a box 3.50

Fruit Basket

Each
N71264—FRUIT BASKET—Red lacquer finished art metal stand with swinging handle. Fruit dish is 8 inches in diameter and is iridescent 2.80

Bon Bon Basket

Per doz.
N71261 BON BON BASKET—Finished in two bright colors: red and green lacquer with gold shading. Basket is 5½ inches in diameter and can be supplied in ruby gold iridescent and emerald green. Packed ¼ dozen in a box, one red and two green, not broken 14.40

Candlesticks

Per doz. pr.
N71266—WHIP CANDLE HOLDER—These new candle holders are finished in red lacquer and consist of a cream candle cup, 2 candle holders and 2 candle sticks. Finished in 10c—packed 6 lacquered colors and sold in pairs. Are packed six pairs or one dozen pieces to a carton 16.00

Each
N71261—Red lacquered metal candle holder ornamented with blue and topaz crystal pendants. Height, 10 inches; diameter of base, 10 inches; width, at bow, 6 inches. Packed ¼ dozen in box, not broken 2.00

N71262—Same as No. N71261, only lacquered in green. Packed ¼ dozen in a box, not broken 2.00

Smoking Stand

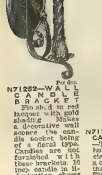
Each
N71269—COLLAPSIBLE SMOKER—Beautifully finished in green lacquer with gold shading and ornamented with transparent glass jewels. Height, 33 inches; width, 14 inches. Packed one in a box 3.00

Bud Vases

Per doz.
N71258—BUD VASE—Vases are pink lustre and are ornamented with floral and conventional effects, and covered with a transparent glass jewel. Size of vases, 4 inches high and 2¾ inches wide. Packed one dozen in a box, not broken 21.00

Per doz.
N71257—BUD VASE—Delicate flare type orange and blue glass vases. The brackets are lacquered red and green. Packed ¾ dozen in a box, not broken 21.00

Sconce



Per doz.
N71252—WALL SCONCE BRACKET—Finished in red lacquer with gold shading. Makes a decorative wall sconce the candle socket being of floral type. Candles are not included. Size of brackets 10 inches candle to illustration shows comparative size of holder. Packed ¼ doz. in a box, not broken 16.00

Per doz.
N71253—WALL CANDLE BRACKET—Same as No. N71252 only is finished in green lacquer. Packed ¼ doz. in a box, not broken 16.00

Telephone Screen

Each
N71270—TELEPHONE SCREEN—Novel telephone screen beautifully decorated with floral and ornamental effects. Finished in black and antique. Packed one in a box 4.00

Book Holder

Each
N71274—BOOK HOLDER—Green lacquer finish. Book rest is decorated with floral ornament. Height, 8 inches; width, 7 inches; depth, 5 inches. Packed one in a box 3.80

N71275—BOOK HOLDER—Same as No. N71274 excepting that the number has a red lacquer finish. Packed one in a box 3.50

Hanging Book Shelf

Book Racks

Each
N71267—BOOK TROUGH—Red lacquered book trough, which will accommodate from five to seven average sized books. Has a metal panel on each end with floral decoration. Size, 9¾ inches in width 3.00

N71268—BOOK TROUGH—Same as No. N71267 only is lacquered green 3.00

Book Racks

Each
N71268—BOOK RACK—Green lacquer finish with hand decorated metal floral ornaments. Has decorations from five to seven average sized books. Packed each in a box 2.00

N71288—BOOK RACK—Same as No. N71268 only is red lacquer. Packed each in a box 2.00

Magazine Racks

What-Not Shelf

Each
N71276—WHAT NOT SHELF—Art metal shelf lacquered in green and ornamented with 3-inch colored crystals. Size, 14 inches in height and 7½ inches in width. Shelf is 4½x7 inches. Packed one in a box 3.80

Each
N71273—WHAT NOT SHELF—Same as No. N71272 only lacquered in red. Packed one in a box 3.80

Flower Basket

Per gro.
N71276 HANGING SHELF AND BOOK RACK—Finished in Sola green or chinese red lacquer colors and ornamented with floral decoration. Packed one in a box 6.80

Per doz.
N71280—FLOWER BASKET—Amber or mulberry glass vase. Metal holder is finished in red lacquer with gold edging and is 12 inches high Each 3.80

Each
N71277—MAGAZINE CARRIER—Finished in red lacquer. There are compartments on both sides for magazines and periodicals and each side is very beautifully ornamented with floral decoration in panels. Height, 19 inches, width, at sides, 21 inches. Packed one in a box 4.00

Each
N71278—MAGAZINE CARRIER—Same as No. N71277 excepting that No. N71278 is finished in green. Packed one in a box 4.00

Lamps, Candlesticks and Smoking Stands

No. H935—Silver Electric Candlestick, for use on mantel buffet, or davenport table. Height 16 inches, in Dutch silver finish Adam design, with electrical switch on base. Fancy drip candle. Each $8.50

No. H976 — Boudoir Lamp; one-piece hand painted glass shade, cast white metal base, finished russotone. Height over all, 14¾ inches; diameter of shade 8 inches, equipped with push button socket cord, two-piece plug. Each . . . $7.00

No. H978 Boudoir Lamp, one piece hand painted glass shade cast white metal base, finish of base imperial ivory. Height over all, 14¾ inches, diameter of shade 8 inches, equipped with push button, socket cord, and two-piece plug Each $7.00

No. H977 — Boudoir Lamp one piece hand painted glass shade cast white metal base finished powdered silver and gold. Height over all, 14¾ inches; diameter of shade, 8 inches, equipped with push button socket cord, two-piece plug Each $7.00

No. H914—Table Lamp. Total height 17 inches and carries a round decorated forest and snow scene, reproducing natural colors of glass. The base is in rose bronze finish It is furnished with 1 light, 10-inch glass shade, 6 feet of cord plug and socket Each $15.50

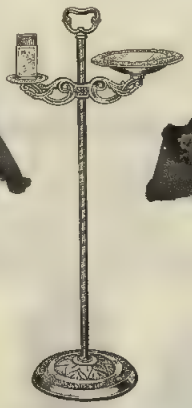
No. H987 — Electric Candlestick, polychrome finish, richly decorated Height 14 inches trimmed with imported amber drops, fancy drip candle, controlled with switch on base, complete with cord and plug Each . . . $8.50

No. H988 — Same as above heavy silver plated French gray finish with blue fancy drops Makes a splendid gift for the home is very attractive looking Each $8.50

No. H615—Junior Lamp 16 inches high, fancy cut base with fancy iron octagon top, patterned brass stem, polychrome finish, velvet shade trimmed with imported glass beads hand painted scene and flower pattern trimmed with ruching braid and silk and glass fringe combination Each $49.50

No. H613—Junior Lamp, 16 inch round iron base, fancy iron column, black and gold finish, with twisted rope center finish, plated georgette shade with center medallion of rich embroidery or net lace, trimmed with fancy braid and silk ruche Each $10.50

No. H980—Torchiere Hand painted glass cylinder cast white metal base finish Height 19½ inches, cylinder measurement 3x6 inches. Equipped with silk shade holders, one two piece cord Each $8.00



No. H833W—Smoking Stand, wrought iron finished in Chinese red gold or antique bronze with tray to match metal base has twisted shaft, heavy colored glass ash receiver, match box holder on opposite side of stem Each $2.85

No. H867—Bridge Lamp, 13-inch square iron base with a marble top cut corners, fitted with a square tube in rose open work pattern, polychrome finish, round washed georgette shade, trimmed with silk ruching and hand made flower Each $22.00

No. H983—Electrolier. A richly decorated lamp of Louis XVI period, fancy marble finish base with antique bronze finished statuary and floral decorations, complete with 6-foot cord and pink tinted 13½ inches Each $15.50

No. H984 — Same as above, larger size, height 25 inches. Each $20.00

Newest Styles and Shapes in Lamps

No H13E3 — Lamp and Shield, assorted silver or gold plated base with attractive design, height 14 inches, metal shield to match lined with assorted color silk, gold, blue or rose. Each **$6.10**

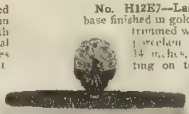
No. H12E13PI — Lamp and Shade, base finished in ivory polychrome, oval shape, glass drops, height 14½ inches, fitted with 8-inch oval beaded parchment shade, ruching top and bottom, hand decorated in assorted pheasant, ship or basket designs. Each **$8.00**

No. H12E13PG — Lamp and Shade, base finished in gold polychrome, oval shape, glass drops, height 14½ inches, fitted with 8-inch oval beaded parchment shade, ruching top and bottom, hand decorated in assorted pheasant, ship or basket designs. Each **$8.00**

No. H12E13SB — Lamp and Shade, base finished in silver and blue, oval shape glass drops, height 14½ inches, fitted with 8-inch oval beaded parchment shade, ruching top and bottom, hand decorated in assorted pheasant, ship or basket designs. Each... **$8.00**

No. H12E5 — Desk Lamp and Shade, base finished in antique bronze, height to elbow, 9 inches, fitted with green, white lined glass ball shade Each **$7.00**

No H12E18—Illuminated Fruit Basket finished in amber glass flowers with assorted color fruits oval shape, height 11 inches over all makes a very attractive ornament and a splendid gift Each ... **$22.50**



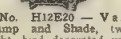
No. H12E7—Lamp and Shade, base finished in gold or silver plated, trimmed with French spray porcelain flowers, height 14 inches, has holder fitting on top of bulb and glass finial, silk shade covered with georgette Each **$11.00**

All Lamps Complete with Cord and Plug

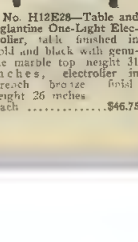
No. H12E16—Danseuse Two-Light Girandole, finished in French bronze decorated with metal leaves and porcelain flowers, rests on genuine marble base, fitted with candelabra base sockets and flame globes height 17 inches Each **$36.00**

No. H12E10—Lamp and Shade, metal base in attractive polychrome finish complete with harp holder height 16 inches, fitted with 9-inch glass shade in assorted scene decorations Makes a hit wherever shown. Each **$7.50**

No. H12E23 — Vase Lamp and Shade, bird decorated vase with black background, harp holder and finial height 21 inches, fitted with 12-inch round, hand decorated, beaded parchment shade, pheasant design, velvet trimming. Each ... **$17.00**

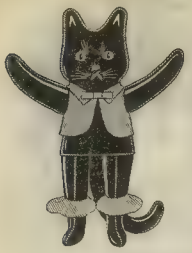


No. H12E20 — Vase Lamp and Shade, two-light, bird decorated vase with black background cast metal base and peacock finial height 22 inches fitted with 16-inch oval shape, hand decorated, beaded parchment shade in pheasant design ruching top and bottom Each **$27.50**



No. H12E28—Table and Eglantine One-Light Electrolier, table finished in gold and black with genuine marble top height 31 inches, electrolier in French bronze finish height 26 inches Each **$46.75**

PUSS-IN-BOOTS



Hand painted, black glazed enameled leatherette, bound with red percale; stuffed with sanitary cotton.

Nos.	0	1
Height, ins	12	15
Wt per doz, lbs	3	6
Per Doz	$12 75	25 50

No. 0, one doz in cardboard box; No. 1 wrapped in heavy paper.

Nos.	2	3
Height, ins	18	21
Wt per doz, lbs	21	26
Per Doz	$34 50	39 00

Wrapped in heavy paper.

TEDDY BEARS

Stuffed body, good quality soft, smooth cinnamon plush, glass eyes, jointed limbs, felt soles, stitched mouth and nose with voices.

Nos.	14	18
Height, ins	14	18
Wt per doz, lbs	9	12
Per Doz	$24 00	34 50

Wrapped in heavy paper.

TOY ANIMALS

DOMESTIC

MONKEY

Stuffed body, covered with good quality hair cloth; glass eyes; fitted with red cap and collar, bell and rubber for hanging. Tagged with the name Tarzan. Sitting position.

No.	612
Height over all, ins	8
Wt per doz, lbs	6
Per Doz	$12 75

Quarter doz in pkg.

POLICE DOG

Strongheart.

Stuffed body, covered with long brown pile plush with black markings; leather collar. Standing position, an exact replica of the film favorite.

Nos.	1000	1001	1002
Length over all, ins	9¾	11¼	12¾
Height, ins	10¼	11½	13
Wt per doz, lbs	13½	15	18½
Per Doz	$48 00	78 00	96 00

One-twelfth doz in pkg.

TOY ANIMAL ASSORTMENTS

Cotton stuffed body, covered with best quality grey velvet; standing position. Per Ass't

No. 1601—Ass't consists of 6 dogs, 3 cats and 3 elephants; height of dog 4 ins; height of cat and elephant 4½ ins . . $12 75

One ass't in cardboard box; wt per ass't 3 lbs.

DOLL BEDS

REDDICK

Round steel wire, joints soldered and electric welded. Complete with stuffed mattress and lace pillow.

	Lavender or Blue.	
Nos.	M150	M160
Length, ins	18	24
Width, ins	10	13
Height, ins	11¾	13½
Wt per doz, lbs	36	54
Per Doz	$42 00	51 00

REDDICK, Folding Crib.

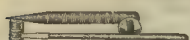
Steel wire, blue enameled, mechanically perfect and when set up is a small model of a large crib. Complete with well stuffed mattress and lace silkoline pillow.

Nos.	M31	M32	M33
Length, ins	14	18	24
Width, ins	9¼	11	13
Height, ins	10	11¾	11
Wt per doz, lbs	23	36	54
Per Doz	$22 50	36 00	49 50

Nos M31 and M32 one doz in cardboard box; No. M33 half doz.

Are you selling Crusader Paints? They are 100% pure—the satisfactory kind.

CROQUET SETS



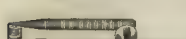
Hardwood mallets; 5 in. long; varnished and beaded; fitted with 27½ in. oiled maple handles; rock maple stakes and balls; ten polished iron arches.

Nos.	14	16	18
No. of balls	4	6	8
Wt set, lbs	12	18	19
Per Set	$3 75	4 65	5 40

Three sets in crate.

Hardwood mallets; 5 in. long; varnished and painted; fitted with 27½ in. nicely varnished hardwood handles; two eight colored hardwood stakes; hardwood balls; ten polished iron arches.

Per Set
No. 28—Eight balls $6 90
Three sets in crate; wt per set 21 lbs.



Hardwood mallets; 5½ in. long; varnished and full striped; fitted with 27½ in. varnished and striped white ash handles; two eight-colored hardwood stakes; hardwood balls; ten polished iron arches.

Per Set
No. 38—Eight balls $9 00
Three sets in crate; wt per set 25 lbs.

Hand turned, hardwood mallets; 8½ in. long, neatly painted and striped; fitted with 27½ in. maple handles; two large beaded hardwood stakes; hardwood balls, painted with five stripes; ten galvanized arches.

Per Set
No. 044—Professional four ball set $9 90
Three sets in crate; wt per set 20 lbs.

Hardwood mallets; 8½ in long; painted and striped; fitted with 27½ in. varnished and striped hardwood handles; hardwood stakes and balls; ten galvanized iron arches.

Nos.	014	016	018
No. of balls	4	6	8
Wt set, lbs	20	24	32
Per Set	$7 20	9 90	10 80

Three sets in crate.

Hand turned. Eight hardwood mallets, 6 in. long, handsomely painted, fitted with 27½ in. hardwood handles; two large beaded fancy striped eight colored hardwood stakes; highly polished five striped hardwood balls; ten heavily enameled arches.

Per Set
No. 48—Eight balls $12 00
Three sets in crate; wt per set 26 lbs.

CROQUET SETS

D 6

Hand turned, genuine shellac finish, rock maple mallets, 8½ in. long ebonized, fitted with 26 in. bronzed rock maple handles; two large beaded fancy striped and bronzed four color rock maple stakes; rock maple balls, varnished; ten heavy galvanized arches.

Per Set
No. 054—Four balls $13 80
Three sets in crate; wt per set 18 lbs.

Hand turned genuine shellac finish hardwood mallets, 6 in. long, ebonized and bronzed, fitted with 26 in. ebonized hardwood handles; two eight colored stakes; bronzed hardwood balls; ten galvanized arches.

Per Set
No. 58—Eight balls $15 75
Three sets in crate; wt per set 25 lbs.

Polished maple, all hand turned; highly finished with genuine white shellac, and lathe polished.

Mallets 8 inches long; 26 inch handles; nicely painted balls; two large beaded, four-colored stakes; heavy galvanized arches.

Per Set
No. 50—Eight balls $18 00
Three sets in case; wt per set 23½ lbs.

Mallets hand turned; best polish finish; 7¾ inches long with green band in center, nickel plated bands on end and rubber ends, 26 inch handles with green band, which screw in mallet. Selected fancy striped balls, two large fancy finished; eight-colored stakes; extra heavy enameled arches with sockets.

Box made of clear white pine with fine coach varnish finish; trimmed with polished brass corners to strengthen box; brass hinges and clasps; nickel plated handles.

Per Set
No. 70—Eight balls $41 25
Three sets in case; wt per set 28 lbs.

FOOT BALLS

REACH

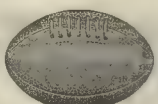
SPECIAL YOUTH'S

Good quality grain finished cowhide leather with canvas lining; correct shape. Complete with pure rubber bladder and lace.

Per Doz

No. 4SR—Wt each 8 ozs $39 60

One in cardboard box.



YOUTH RUGBY

Good grade russet pebble grain leather; canvas lined; correct shape. Complete with pure rubber bladder and leather lace.

Per Doz

No. 5SR—Wt each 8 ozs ..$47 25

One in cardboard box.

SPECIAL RUGBY

Genuine pebble-grain cowhide leather with canvas lining. Regulation size and correct shape. Complete with pure rubber bladder, leather lace and steel lacing needle.

Per Doz

No. 5H—Wt each 16 ozs $79 50

One in cardboard box.

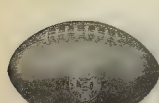
COLLEGE RUGBY

Good quality genuine pebble grain cowhide leather with canvas lining. Regulation size and correct shape. Complete with pure rubber bladder, leather lace and steel lacing needle.

Per Doz

No. 6P—Wt each 16 ozs. $106 80

One in cardboard box.



REACH RUGBY

Pebbled grained cowhide leather cover, strong fabric lining. Regulation size. Good grade rubber bladder. Furnished with leather lace and steel lacing needles.

Per Doz

No. 5G—Wt each 1½ lbs $132 00

One in cardboard box.

SCHOLASTIC RUGBY

Pebble grain cowhide leather, canvas lined. Regulation size and weight. Pure rubber bladder, guaranteed perfect in material and construction. This ball is known for quality and service.

Per Doz

No. 5F—Wt each 18 ozs. $158 40

One in cardboard box.

FOOT BALLS

REACH

RUGBY MATCH

Regulation size. Superior pebble grain cowhide leather, lined with best canvas, pure Para rubber bladder. Guaranteed perfect shape, complete with leather lace and lacing needle.

Per Doz

No. 5R—Wt each 18 ozs $198 00

One in cardboard box.

REACH, VARSITY RUGBY

Endorsed by leading universities, colleges and athletic associations. Regulation size Specially selected TUFHIDE, a perfect pebble grain foot ball leather, tanned expressly for use in this ball. Canvas lined, double stitched around opening, pure Para rubber bladder.

Each ball is carefully inspected and guaranteed to conform strictly to the official rules and to give absolute satisfaction. Complete with rawhide lace, and lacing needle.

Per Doz

No. E5—Wt each 22 ozs $263 25

One in cardboard box.

REACH OFFICIAL LAMINATED RUGBY

Tufhide leather cover with specially woven fabric lining making one solid panel of uniform thickness and strength. High grade rubber bladder equipped with improved type valve, easily inflated. Each ball is tested, inspected and laced at factory ready for inflation. Furnished with metal valve extension and valve cap tool.

Per Doz

No. L5—Wt each 13½ lbs. $315 00

One in cardboard box.

Good quality pebble grain cowhide leather. Complete with red pure rubber bladder and rawhide lace.

Per Doz

No. 3RK—Tan leather; lgth 9¼ ins; wt 7 ozs $27 00
No. 4RK—Tan leather; lgth 10½ ins; wt 8 ozs..... 39 60
No. 5RMS-2 Extra heavy brown leather; length 11½ ins; wt each 12 ozs 93 00

One wrapped in paper.

FOOT BALL BLADDERS

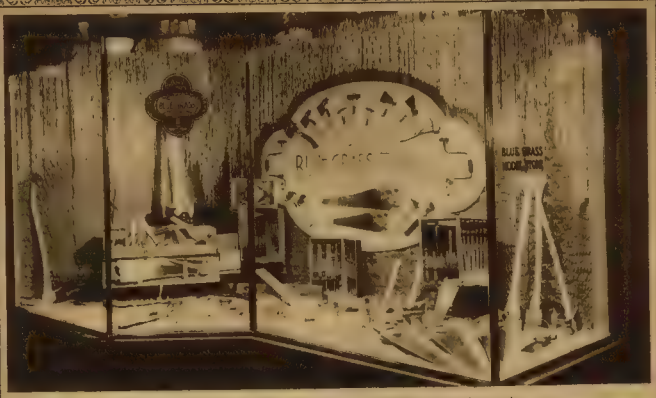
REACH

Pure Para rubber, tested and guaranteed perfect in material and workmanship. For use in any foot balls.

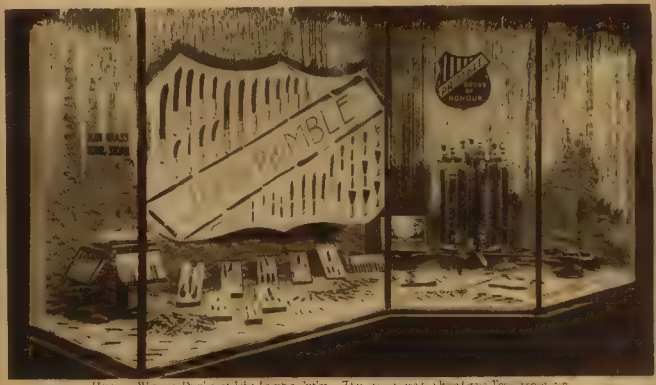
Per Doz

No. E5—Best grade; for No. E5 foot balls $39 60
No. 5R—Medium grade; for Nos. 5, 5R and 5C foot balls 33 75
No. 5S—Common grade; for Nos. 5F, 5G and 6H foot balls 26 55
No. B3—Medium grade; for Nos. 5M, 5SR and 4M foot balls 19 80

One in envelope; wt each 4 ozs.



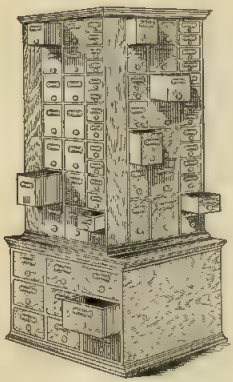
Above illustrates a splendid display of Blue Grass Tools. A similar display can easily be made in your window with the use of a few rolls of Crepe Paper. You will be surprised at the immediate results a display of this kind creates with every man in your town. Men are always interested in Tools. It will help your Tool Business wonderfully.



Here is a Window Display of John Bramble Cutlery. This display, like the Blue Grass Tools Display, can be made with little effort. A few rolls of Crepe Paper is all that is necessary. A display of this kind immediately attracts the attention of every person in your neighborhood and will result in greater sales in these profitable lines, which are almost invariably sold for "Cash."

By all means place in a prominent place in your store a good display of Stoves, Ranges, Oil Stoves and Heaters. Such displays as this, instantly command the attention of women. There is hardly a week passes but that some one in your community is interested in these household necessities, which means that an attractive display will help you secure this profitable business

The above illustrates Household Goods and should be one of the most important lines in your store. Keep constantly pushing the sales of Household Goods by displaying various articles in the most effective manner. A good Window Display now and then will let every woman in your community know that you can meet her requirements with everything needed in Household Goods.



No. 130

BOLT AND SCREW CASE COMBINED

The plan of No 130 is the same as No. 40, except the corners are left square and filled in with small drawers for screws

All No. 130 Cases leave the factory labeled as follows:

Washers
¼, 5 16, ⅜, ½, ⅝, ¾.

Bolts
¼x1, 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5
5-16x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6
⅜x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
½x2½, 3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10, 11, 12.
⅝x5, 6, 7, 8, 9, 10, 11, 12
¾x7, 8, 9, 10, 11, 12, 14, 16.

Screws
⅜ 3, 4, 5, (in one drawer)
½ 3, 4, 5 6
⅝ 4, 5, 6, 7
¾ 5, 6, 7, 8, 9
⅞—6, 7, 8, 9
7, 8, 9, 10, 11
1¼ 8, 9, 10, 11, 12
1½—9, 10, 11, 12, 13, 14
1¾—11, 12, 13, 14
2—11, 12, 13, 14

This leaves 14 small drawers with blank labels which can be used for Tire Bolts or Stove Bolts, etc.

No. 130 is mounted on a base 30 inches square, 20 inches high, and is made of oak with hard oil finish.

No. 130.....List $67.00

Shipped from Factory in East Tennessee.

Remember, labels can be easily changed to any size desired

PERFECTION BOLT AND SCREW CASE

No. 40

The No. 40 Bolt Case is the most practical Bolt Case ever made for general stores.

It has 40 drawers and is 22 inches in diameter and is 37 inches high.

List.....$ 27.00

It will hold more bolts than other cases of same size, because the drawers are square (not triangular).

No. 40 cases leave the factory labeled as follows

¼x1½, 1¾, 2, 2¼, 2½, 3, 3½, 4, 4½, 5
5-16x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 6
⅜x2, 2½, 3, 3½, 4, 4½, 5, 6, 7, 8.
½x3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10.

The labels can be easily changed to suit your own selection of bolts.

Case made of oak, with hard oil finish shipped from factory in East Tennessee.

WAGON NAILS
Countersunk Head

	List Per Lb		
	1"	1¼"	1½"
No 10	$ 0.18	$ 0.18	
8"		.18	$ 0.18

Round Head

	1"	1¼"	1½"
No 10	$ 0.18	$ 0 18	
16"		.18	$ 0.18

NEEDLE POINT SLAT NAILS

	Per lb
⅞" No. 16	$ 0.25

WROUGHT CLINCH NAILS

	1¾"	2"	2½"
Per lb...	$ 0.12	$ 0.12	$ 0.12

FLAT HEAD WIRE NAILS
In 1-Lb. Packages.

	Lists			
Nos.	17	16	15	14
¾"	$ 0.56	$ 0.43		
⅞"	.43	.39	$ 0.36	
1"		.36	.33	$ 0.32
1¼"			.32	.31
1½".			.31	.30

Less...—6%

WIRE BRADS
In 1-Lb. Packages

Nos	20	18	17	16	15	14
½"	$ 0.85	$ 0.65				
⅝"	.75	.58				
¾"		.52	$ 0.46	$ 0.43		
⅞"			.43	.39	$ 0 36	
1"				.36	.33	$ 0.32
1¼"				.34	.32	.31
1½"				.33	.31	.30
1¾"						.29
2"						.29

"DUNBAR" ALL-PURPOSE RACKS

These Racks Are Made of Steel and Iron, All Heads Are Malleable Iron, and Guaranteed Against Breakage in Ordinary Use or Through Defects in the Metal. Mounted on Easy-rolling Casters. Adjustable as to Height.

For Base Ball Bats In Summer

For Axe Handles In Winter

A Combination Rack That Works the Year Around. The Same Head is Used for Both Base Ball and Axe Handles. A Thoroughly Practical Means of Keeping These Seasonable Goods Before the Public During the Rush Season.

Each

No. G—Capacity 24 Axe Handles or 24 Base Ball Bats..... $
Shipping weight, about 50 lbs.

No. G.H.—Head Only..... $
Shipping weight about 20 lbs

For Horse Collars

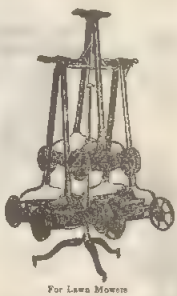
All Dealers Will Appreciate This Rack for Displaying This Bulky Commodity. Requires Only About 3 Ft. of Space. Revolves Easily.

Each

No. K.—Capacity, 30 Collars $
Shipping weight, about 100 lbs

For Steel Goods

For Brooms



For Lawn Mowers

This is the Rack for Dealers Who Do Not Wish to Display as Large a Line of Steel Goods as May be Done with the Model "A" Herrick Revolving Rack. By Removing Rods from Brackets Ferrules It May Be Used to Display Lawn Mowers. Each

No. H.—Capacity 48 Pieces of Steel Goods or 6 Lawn Mowers..... $
Shipping weight, about 75 lbs.

All Above F. O. B. Toledo, Ohio.

This Same Style of Rack May Be Used for Handled Axes or for Scythes by the Use of an Additional Head.

Each

No. D.—Capacity, 24 Axes . . . $
Shipping weight, about 45 lbs.

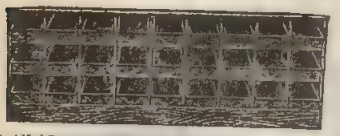
No. D. H.—Axe Head Only..... $
Shipping weight, about 20 lbs.

No. E.—Capacity 32 Scythes . . . $
Shipping weight, about 40 lbs.

No. E. H.—Scythe Head Only . . . $
Shipping weight, about 15 lbs

All Above F. O. B. Toledo, Ohio.

HELLER NAIL BASE AND COUNTER



A Handy Nail Cabinet Containing 27 Bins in an 8-foot Section, Each Bin With a Capacity for One Full Keg of Nails.

Oak Exposure, Finely Finished in a Rich Antique Varnish, that Will Harmonize With the Other Furniture in the Store.

All Material Used in This Cabinet is ⅛ Inch Thick. Ten Uprights are Carried From Under the Top Directly to the Floor. Base Board Securely Fastened to Each Upright. Shelves are Full Depth of Cabinet. They are Placed in Grooves and Nailed Directly Into Uprights, Forming 27 Stationary Bins Each 9⅞ Ins. Wide, 8¾ Ins. High and 30¾ Inches Deep to Take Steel Nail Drawers. Nails Cannot Get Mixed Up. Shelves Cannot Sag. The Nail Drawers are Made of Extremely Heavy Galvanized Steel Formed by Large Power Presses. Top Edges Turned Double. Then Welded to Strengthen Sides. All Corners are Welded. A Heavy Steel Rod Along Front Top Edge of Drawer Adds Strength. Two Heavy Steel Cross Members Make Handling of the Drawer Easy and Prevent Sides from Spreading. A Large Sized Handle is Riveted on the Front of Each Drawer. Nails are Easily Removed from Drawer to Scoop. Cabinet is 33 Inches High, 31½ Inches Wide and 8 Feet Long.

BASE CABINET

96½ Inches Long, 33 Inches High, 31½ Inches Wide Over the Top. Has Plain Ends, Top with 18 Inches of Finished Oak at Front Balances Unfinished Poplar, Steel Back, for Use Against Wall Under Top Cabinets.

Each

No. 3331 ..... $

COUNTER CABINET

96 Inches Long, 33 Inches High, 31¼ Inches Wide Over the Top. Has Solid Oak Top, Panel Ends, Steel Back. Drawers to Face Center of Store

No. 0331 ..... $

COUNTER

96 Inches Long, 33 Inches High, 31¼ Inches Wide Over the Top. Has Solid Oak Top, Panel Ends and Panel Front.

No. 3331 ..... $

TOOL BRACKETS AND RACKS

MALLEABLE IRON, JAPANNED

Strong and Durable. Take Up No Space on the Floor and are Out of the Way. They are Attached to the Wall with Three 1¼-in. No. 12 Head Wood Screws. (Screws Not Furnished.)

No. 3

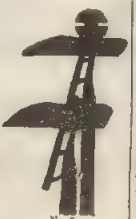
FORK AND SHOVEL

Double Arm

Holds Eight Forks or Shovels, Long or D Handle. 12-in. Rack, 11-in. Wall Plate. Wt., Per Doz., 35 Lbs.

Per Dozen

No. 3 ..... $



No. 5

HOE AND HOOK

Single Arm

Holds Eight Hoes, Weeders, Potato and Manure Hooks, Etc. 17 Ins. Long. 4-in. Wall Plate. Wt., Per Doz., 20 Lbs.

Per Dozen

No. 5 ..... $

No. 4

RAKE AND HOOK

Double Arm

Holds Eight Rakes, Manure or Potato Hooks, Etc. 15-in. Rack, 11-in. Wall Plate. Wt., Per Doz., 40 Lbs.

Per Dozen

No. 4 ..... $

Loose.

MOSHER ADJUSTABLE

Hardwood Frame, Firmly Bolted Together. Closed Platform Mounted on Six Iron Casters. Japanned Malleable Iron Top Brackets. Steel Rod Middle Racks and Wire Lower Racks. Adjustable Handle Rack in the Middle Division, for Keeping Each Kind Separate and Compact. Several Division for Scythes at Bottom.

Each

No. 25—Wt., 200 Lbs. .....

F. O. B. Factory

Boys' Wagons, Velocipedes and other Wheel Goods are constantly becoming a bigger and more profitable line for Merchants to carry. Keep well assorted stocks of Toys and Wheel Goods constantly before the children in your town and many sales will naturally result in these lines. In addition the children will bring their parents to your store giving the opportunity for the sales of other lines

Dolls, Electric Trains, Erector Sets, Structo Outfits, Fire Engines, Hook-and-Ladders, Derricks and other similar Toys should be carried in stock by every alert merchant. They are profitable items to sell Display these in your store in the most effective manner throughout the entire year. Make frequent window displays and you will find these goods to be one of your most satisfactory lines from the standpoint of sales, profits and consumer-interest.

The demand for Silverware is large and constantly growing. Every woman in your community is anxious to possess a complete service of attractive Silverware. Make an attention-attracting Window Display at proper seasons of the year for the purpose of letting every woman in your community know you are headquarters for Silverware. Display cards, etc., such as used in this window will be furnished upon request.

Automobile Tires, Tubes and Accessories are today one of the most profitable lines to carry. You should be ready and fully equipped to supply the demand of every motorist. Keep a liberal stock of Tires, Tubes, Pumps, Jacks and other accessories on hand to promptly serve the needs of your customers. A tremendous sum of money is being spent daily for these goods. You can get your share of this large and growing business if you will only go after it

Builders Hardware is an important and profitable line to carry. Keep an attractive display before your trade for the purpose of letting them see that you have what they need. With many new homes being erected there is a great demand for Builders Hardware of all kinds. The development of the decorative idea in the modern home, as well as its increased conveniences has largely increased the demand for Builders Hardware other than the staple low-priced grade.

Here is an attractive Window Display of Base Ball Goods which can easily be reproduced in your store. It goes without saying that no line is more appealing to the boys and young men in your neighborhood than Base Ball Goods. Sporting goods of all kinds sell freely in good times and bad. Most people forget economy when purchasing things with which to play.

Make your store headquarters for Harness, Collars and Strap Work. Carry in stock those items as are in constant demand by every user of teams in your community. There are as many horses in the country now as before the advent of the Automobile. The important thing is to have these lines in stock when your customers need them.

Trunks, Bags and Suit Cases. The development of transportation facilities and the consequent increase of travel, have enlarged many times the market for these goods. Most people are no longer satisfied with cheap traveling equipment. They know the most economical goods to buy are the better grades. You should occasionally make an attractive display to let your customers know you can furnish a complete line of Hand Bags, Suit Cases and Trunks.

HARNESS ORNAMENTS

STAR AND SHIELD

With four prongs.
No. 860 Per Dozen

Size, Inches	2	2½	3
Brass	$3.00	3.50	7.00

2 and 2½ Inch, Two Dozen; 3 Inch, One Dozen in a Box

STAR AND RING

With four prongs.
No. 240 Per Dozen

Size Inches	2	2½	3
Brass	$3.70	3.50	4.80

One Dozen in a Box

RING AND HORSE

With four prongs
No. 2920 Per Dozen

Size, Inches	2¼	3½
Brass	$5.00	11.30

One Dozen in a Box

HARNESS ORNAMENTS

HIP STRAP DROP

No. 2880 Brass, with 1¼ inch loop. Diameter, 3⅝ inches. ..... Per Dozen, **$11.00**
One Dozen in a Box

HARNESS ROSETTES

PEERLESS

With 1 inch patent riveted loop.
No. 60 Bevel Back Per Gross

Diameter, Inches	2	2¼
Polished Brass	$16.00	22.50

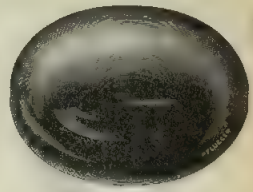
2 Inch, One Quarter Gross; 2¼ Inch One-Sixth Gross in a Box

Arch back with 1 inch loop.
Arch Back

Diameter, Inches	2	2¼
No. 770 Polished Brass. Per Gross	$15.00	19.50

One-Half Gross in a Box

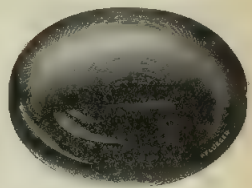
HARNESS ROSETTES



No. 4040 Ajax Per Gross
Bevel back, with 1 inch loop.

Diameter, Inches	2	2¼
Polished Brass	$17.00	24.00

2 Inch One Quarter Gross, 2¼ Inch, One-Six Gross in a Box



No. 1100 Per Gross
Malleable back, with 1¼ inch loop

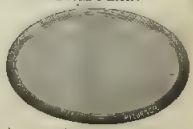
Diameter, Inches	2	2¼
Polished Brass	$19.00	26.00

2 Inch, One Quarter Gross; 2¼ Inch, One-Sixth Gross in a Box

OVAL DURANOID

Basket weave, all black, with ⅝ inch brass wire loop
No. 305 Size 1⅛x1⅛ inches ..... .Per Gross, **$6.00**
One-Half Gross in a Box

OVAL PLAIN

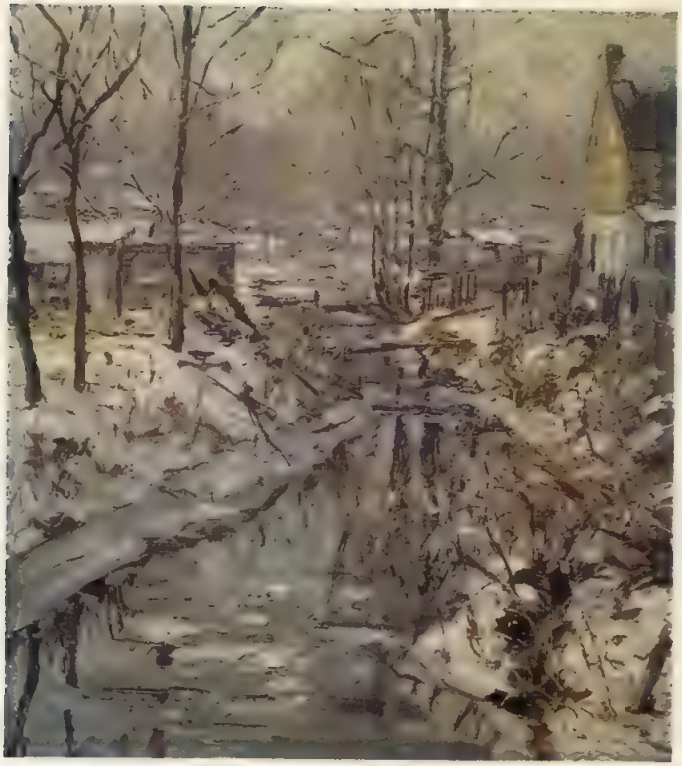


Gilt, loops made of strong brass wire, securely fastened in the center of smooth solid lead filled backs, ⅝ inch loops.
No. 1431 Size, 1⅛x1⅛ inches ..... .Per Gross, **$9.00**
One-Half Gross in a Box

Painting by Harry Herring *133 Screen Four Color Process Plates*

"THE HIRED MAN"

Engraved by METROPOLITAN PHOTO-ENGRAVING COMPANY, NEW YORK



Oil Painting by Antonio P. Martino *150 Screen Four Color Process Plates*

"THE CANAL"

This painting was awarded the Bronze Medal by the Sesqui-Centennial Association

Engraved by PHOTO-CHROMOTYPE ENGRAVING COMPANY, PHILADELPHIA

Musical Photography of

HARRY RICHMAN

COMEDIAN

on

Brunswick

ELECTRICAL RECORDS

A black and white combination of pen drawing and photographs. The gray portion of the plate is achieved by stripping a halftone screen over the line negative. The record and figure combination is a double exposure of retouched photographs.

Engraved and Printed by ROSENOW CO., CHICAGO *R*

A VERY ATTRACTIVE PATTERN IN HAVILAND

Haviland China

"LEXINGTON" Decoration Number 34421]

Since 1837 this china has enjoyed an enviable reputation. In purchasing be sure to notice carefully the Trade Marks. Unless these Trade Marks appear on each piece, you will not be getting the

Genuine

Haviland France — **Haviland China** — Manufactured at Limoges, France — Decorated by Haviland & Co. Limoges.

Narrow floral border. Very conservative. Gold on edge of all pieces and all handles ½ Mat Gold

H6670-12. Service for Twelve—100 Pieces, Price Per Set $165.00

CONSISTING: 12 dinner plates 8½ inches, 12 salad or dessert plates 6½ inches, 12 bread and butter plates 5½ inches, 12 coupe soups 6½ inches, 12 fruit or sauce dishes, 12 tea cups and saucers (24 pcs.), 1 oval platter 10 inches, 1 oval platter 12 inches, 1 oval vegetable dish, 1 covered casserole (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish, 1 sugar and creamer (3 pcs.), 1 covered butter dish and drainer (3 pcs.), 1 cake plate 9 inches, 1 round vegetable dish open 8½ inches.

H6670-8. Service for Eight—66 Pieces, Price Per Set $82.00

Consisting: 8 dinner plates 8½ inches, 8 salad or dessert plates 6½ inches, 8 bread and butter plates 5½ inches, 8 coupe soups 6½ inches, 8 fruit or sauce dishes, 8 tea cups and saucers (16 pcs.), 1 oval platter 12 inches, 1 oval vegetable dish open, 1 covered casserole (2 pcs.), 1 sauce boat and stand (2 pcs.), 1 pickle dish, 1 sugar and creamer (3 pcs.)

Lexington Pattern

		Price	
H6670.	12 dinner plates 8½ inches	$20.00	Per Doz.
H6670a.	12 tea plates 7½ inches	19.00	" "
H6670b.	12 dessert or salad plates 6½ inches	16 70	" "
H6671.	12 bread and butter plates 5½ inches	14.00	" "
H6671a.	12 coupe soups 6½ inches	16.70	" "
H6671b.	12 plates, narrow rim, 5½ inches	16.00	" "
H6672.	12 fruit or sauce dishes 4½ inches	11.50	" "
H6672a.	12 tea cups and saucers	22.50	" "
H6672b.	1 oval platter 10 inch	4.50	Each
H6673.	1 oval platter 12 inch	7.00	"
H6673a.	1 oval platter 14 inch	9.70	"
H6673b.	1 open vegetable dish, oval, large	5.70	"
H6674.	1 open vegetable dish, oval, medium	5.00	"
H6674a.	1 casserole covered	12.00	"
H6674b.	1 sauce boat and stand	11.00	"
H6675.	1 covered butter dish and drainer	5.50	"
H6675a.	1 pickle dish	3.00	"
H6675b.	1 round vegetable dish open, 8½ inch	5.50	"
H6676.	1 round vegetable dish open, 7½ inch	4.50	"
H6676a.	1 cake plate 9 inch	4.50	"
H6676b.	1 tea pot	6.50	"
H6677.	1 sugar	5.00	"
H6677a.	1 creamer	3.50	"

ATTRACTIVE PATTERNS, BEAUTIFULLY COLORED

Haviland China

"SUMMERTIME" Decoration Number 34545

Since 1837 thischina has enjoyed an enviable reputation. In purchasing be sure to notice carefully the Trade Marks. Unless these Trade Marks appear on each piece, you will not be getting the

Genuine

Haviland France

Haviland China

Manufactured at Limoges, France

Decorated by Haviland & Co. Limoges.

Very rich rose decoration. Gold on all edges and ½ Mat Gold on all handles

H6680-12. Service for Twelve—100 Pieces, Price Per Set $195.00

CONSISTING: 12 dinner plates 8½ inch, 12 salad or dessert plates 6½ inches, 12 bread and butter plates 5½ inches, 12 coupe soups 6½ inches, 12 fruit or sauce dishes, 12 tea cups and saucers (24 pcs.), 1 oval platter 10 inches, 1 oval platter 12 inches, 1 oval vegetable dish, 1 covered casserole (2 pcs.), 1 sauce boat (2 pcs.), 1 pickle dish, 1 sugar and creamer (3 pcs.), 1 covered butter dish and drainer (3 pcs.), 1 cake plate 9 inches, 1 round vegetable dish open 8½ inches.

H6680-8. Service for Eight—66 Pieces, Price Per Set $110.00

Consisting: 8 dinner plates 8½ inches, 8 salad or dessert plates 6½ inches, 8 bread and butter plates 5½ inches, 8 coupe soups 6½ inches, 8 fruit or sauce dishes, 8 tea cups and saucers (16 pcs.), 1 oval platter 12 inches, 1 oval vegetable dish open, 1 covered casserole (2 pcs.), 1 sauce boat and stand (3 pcs.), 1 pickle dish, 1 sugar and creamer (3 pcs.)

	Summertime Pattern	Price
H6680.	12 dinner plates 8½ inches	$23.00 Per Doz.
H6680a.	12 tea plates 7½ inches	21.00 " "
H6680b.	12 dessert or salad plates 6½ inches	19.00 " "
H6681.	12 bread and butter plates 5½ inches	17.00 " "
H6681a.	12 coupe soups 6½ inches	19.00 " "
H6681b.	12 plates, narrow rim, 5½ inches	18.00 " "
H6682.	12 fruit or sauce dishes 4½ inches	11.50 " "
H6682a.	12 tea cups and saucers	28.50 " "
H6682b.	1 oval platter 10 inches	4.50 Each
H6683.	1 oval platter 12 inches	7.50 "
H6683a.	1 oval platter 14 inches	10.50 "
H6683b.	1 open vegetable dish, oval, large	6.00 "
H6684.	1 open vegetable dish, oval, medium	5.00 "
H6684a.	1 casserole covered	15.00 "
H6684b.	1 sauce boat and stand	13.50 "
H6685.	1 covered butter dish and drainer	9.00 "
H6685a.	1 pickle dish	3.00 "
H6685b.	1 round vegetable dish open, 8½ inches	7.00 "
H6686.	1 round vegetable dish open, 7½ inches	6.00 "
H6686a.	1 cake plate 9 inches	6.00 "
H6686b.	1 tea pot	9.00 "
H6687.	1 sugar	6.50 "
H6687a.	1 creamer	4.50 "

FISHING REELS

HEDDON'S LEVEL WINDING

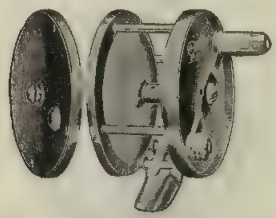
Quadruple Multiplying With Click and Double Handle

Made of best tested hard drawn watch nickel, durable bright satin finish. Stud, shaft, pivots and pinion made of Stubbs drill rod hardened, oil tempered, ground and polished to size. Has improved helixical spiral gears made from special hard drawn phosphor bronze, insuring strength, power and smoothness of action. A steady bar stabilizes the line carriage, preventing all undue friction on the level winding mechanism. The entire level winding device is made of non-rusting material. Equipped with Heddon design crank with white ivory handle. Reel can be completely oiled without taking apart.

No. 3-35L.W. Capacity, 100 yards; length of spool, 1⅝ inches; diameter of spool, 1⅛ inches; diameter of end plates, 2 inches..... Each, $35.00

One in a Leather Case in a Box

DELITE TROUT



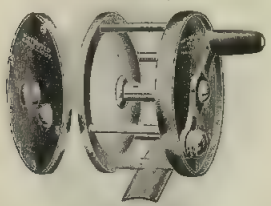
Single Action With Adjustable Back Sliding Click

Made of brass, polished nickel finish; hard rubber discs, reverse metal bound. Bushed for bearings; fancy oil cup on back; balanced flush crank with black celluloid handle; solid metal cross plate or reel seat.

No. 113 Capacity, 60 yards; length of spool, 1 inch; diameter of spool, 2¼ inches .....Each, $2.25

One in a Box

HAWKEYE TROUT



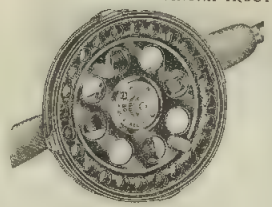
Single Action With Adjustable Back Sliding Click

Made of nickel silver, satin finish treated to prevent rust. Hard rubber discs, reverse metal bound. Bushed for bearings; line shedding adjustable back sliding click and oil cup on back plate; steel pivots. Balanced flush crank with black celluloid handle; solid metal cross plate or reel seat.

No. 263 Capacity, 60 yards; length of spool, ⅞ inches; diameter of spool, 2⅛ inches. .....Each, $4.00

One in a Box

WINONA TROUT



Single Action

Made of one piece cast aluminum, machined all over for perfect balance and true running. It is finished two coats rubber enamel baked on, with polished rims and band. Guard and trimmings are highly nickel plated. The bearing is bronze, the shaft tool steel, the rod plate hard brass. Line is self spooling, backlash reduced to about zero. The adjustable drag makes them practically self thumbing, and what thumbing is required is done on the large polished hub. Their smooth, silent action is a relief to the user. They take apart without tools, have only one place to oil and well holds enough to last several days use. Drag may be set heavy for trolling. Casts and winds perfectly with either right or left hand. Capacity, 100 yards; diameter of spool, 4¾ inches

No.	105	108
Style	Without Line Guard	With Line Guard
Each	$6.00	$7.50

One in a Box

RAINBOW TROUT

Single Action With Permanent Click

Made of cast aluminum and black nickeled. Spindle made of everlasting phosphor bronze. Seat stamped from brass and heavily nickel plated, tapered correctly to fit standard fly poles. White celluloid handle. The rigid frame, the fine hardened and tempered steel click, together with the trueness of the bearings and the perfect mechanical workmanship give perfect balance and beautiful running qualities. Easily taken apart in two pieces by removing one screw.

No.	627	631
Capacity, Yards	35	50
Diameter, Inches	2¼	3¼
Width, Inches	¾	¾
Each	$5.00	5.50

One in a Box

MARTIN AUTOMATIC

Most of the reel is made of aluminum and duraluminum. All parts requiring strength are of brass or nickel silver. Strong, compact and neatly joined together, cannot become loose or shaky. There are no projections on which the line may catch and a nicely fitted line spool prevents all possibility of an entangled line. The direct connection between the main spring and the line spool, makes the "Martin" the most responsive. Equipped with brake lock and brake release operated by one finger or one hand and hook hole in brake release lever for holding hook when not in use.

No.	1	2	3	4
Capacity, Yards	25	30	50	75
Diameter, Inches	3¼	3¼	3¼	3¼
Thickness, Inches	1¼	1¼	1⅜	1⅜
Each	$4.50	5.00	5.50	6.00

One in a Box

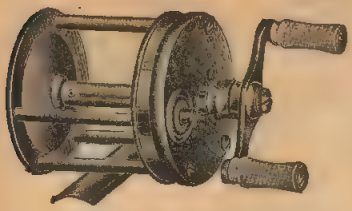
FISHING REEL CASES

Made of genuine sole leather with strap and snap button fastener. Will hold any South Bend reel or reels of similar size having double grip handles.

No. 10 Width, 2½ inches; depth, 4 inches; height, 2¾ inches .....Per Dozen, $18.00

One-Half Dozen in a Box

FISHING REELS



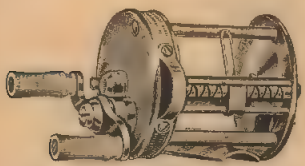
HEDDON'S CASTING

Designed with the front bar left out to facilitate removing back lashes.

The handle is also of new design which fits fingers properly, throwing the hand into the correct, natural position, and contributing against slipping.

No. C3-15—Made of the best, tested, hard-drawn, watch nickel stud, shaft, pivots, and pinion made of Stubbs drill rod, hardened, oil tempered, ground and polished to size; gears made from our special, hard-drawn phosphor bronze; has improved helical spiral gears, insuring strength, power, and smoothness of action otherwise unobtainable; quadruple multiplier, outside diameter, 2 in., length of spool 1⅛ in., diam. of spool head 17-16 in., w't 8 oz., capacity 100 yards, 15 lb. Heddon line; equipped with Heddon design double handle with one in. radius, 2⅜ in. long, which completely overcomes crank vibration and insures better grasp in playing fish; single handle substituted if specially desired, very durable smooth velvet finish.....each $33.35

ONE IN A BOX

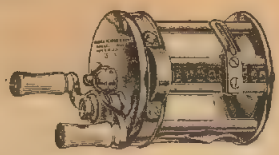


HEDDON'S LEVEL WINDING

Full quadruple multiplying, with exactly the correct ratio of speed between the spool and line carriage to produce that criss-cross or "kite winding" of the line which so effectually presents back-lashing Spiral gears, of a special hard drawn phosphor bronze are so novelly arranged that they are much stronger than are ordinarily used, and also make it possible to avoid the objectionable construction of placing the spool off the center of the reel. Smaller in size, lighter in weight, it nevertheless has a spool capacity of 100 yards of 15 pound test line. Smooth velvet finish that is practically indestructible. Equipped with Heddon designed double handle. Heddon's oiling system, completely oiling the reel without taking it down.

No. C3-35LW—Made of the best, tested, hard drawn, watch nickel; stud, shaft, pivots and pinion made of Stubbs drill rod, hardened, oil tempered, ground and polished to size.....each $51.10

ONE IN A LEATHER CASE WITH OIL CAN, BOTTLE REEL OIL AND TUBE OF VASALINE



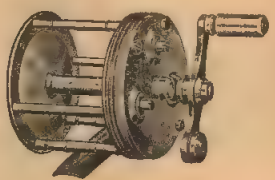
HEDDON'S NEW DOUBLE STEADY BAR REEL NON-RUSTING LEVEL WINDING

This new reel is of the same general construction and same fine material as the No. 3-35 Level Winding Reel. Made of nickel silver, circle finished. Also No. 8 size spool, with full line capacity of 100 yards of 15-lb. test line.

The Double steady bar construction adds long life to the level winding mechanism. Note how sturdy its construction and the unique way in which the line carriage is held in place. This eliminates all friction of the line carriage and transversly threaded shaft.

Also, of vast importance, especially to the Salt-Water fisherman, the entire Level Winding device is made of non-rusting materials.

No. C325—Each $35.55



GENUINE MEEKS

A size very popular in lake regions and in gulf and seacoast fishing.

Spiral gearing, gives strength, power and smoothness of action.

Pinions are of a solid bar of steel drill rod which runs entirely through spool, making pivots and pinions one solid piece and spool perfectly rigid. All pivots and studs tempered, ground and polished to highest degree.

Capacity 160 yds., diam. end plate 2¼ in., length spool 1⅞ in., diam. spool head 1 $^{29}/_{32}$ in., watch nickel silver, balance handle forward, click or click and drag, screw-off oil caps, w't each 8 oz.

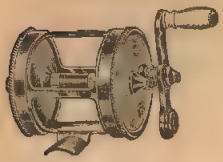
No. C4M—Metal pivot bearings.....each *$32.00*

No. C4MJ—Jeweled pivot bearings.....each *$38.00*

ONE IN A BOX

FISHING REELS

MEISSELBACH

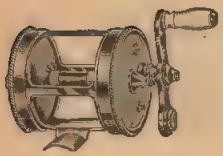


Has take apart feature for cleaning and oiling.

80 yds., 1¼ in. pillar, 2 in. diam., quadruple multiplying, nickel plated, w't 6¼ oz.

No. C3580—Tri-part ...each $ 8.90
No. C3680—Freespool ..each 11.85

ONE IN A BOX



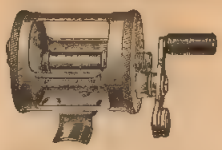
100 yds., 1⅝ in. pillar, 2 in. in dam., quadruple multiplying, tubular frame, made off solid piece of tubing, with flat cross bars, no screws or rivets to work loose, steel pivots and gears, solid steel shaft, rear sliding click, highly nickeled finish with German silver spool, w't 7⅞ oz.

No. C3780—Take-a-part, each $10.35

No. C3980—Free-spool Take-a-part, each $13.35

ONE IN A BOX

BLUE GRASS SIMPLEX

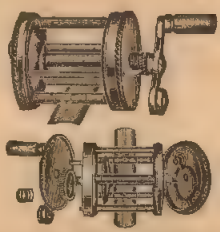


SIMPLEX, 100 yds., 1⅝ in. spool, triple multiplying, with thumb rest, easily taken apart by unscrewing cap on back end and thumb nut on front end, back sliding click off oil tempered steel, brass and German silver, all brass parts finely nickel plated, w't 7 oz.

No C34 Reel is the Free Spool Model for easy casting. The Free Spool Mechanism is the Clutch Principle and Automatic in its Action. The Act of Casting Automatically Disconnects the Gearing from the Spool. The Gearing is Automatically Reconnected to the Spool by the Act of Winding in the Line.

No. C33—Each *$12.00*
No. C34—Free spool ...each *13.00*

ONE IN A BOX



No. C25—Blue Grass Simplex improved, 85 yards, quadruple multiplying, German silver. This reel can easily be taken apart for cleaning, and oiling by unscrewing cap on back end thumb nut on front end of reel. Back Cap has left hand thread to prevent unscrewing when casting. Outside diam. 1¾ in., diam. of spool 1⅜ in., length of spool 1¼ in....each *$15.00*

ONE IN A BOX

BLUE GRASS

100 yds., 1⅝ in. spool, quadruple multiplying, special hand cut gears, tempered tool steel pivots and studs, balanced ivory handle, front sliding click and drag, screw-off oil caps, German silver, perfect workmanship and adjustment, w't 8 oz.

No. C3B—Not jeweled..each *$20.00*
No. C3JB—Jeweled bearings, each *$25.00*

ONE IN A BOX

GENUINE MEEK

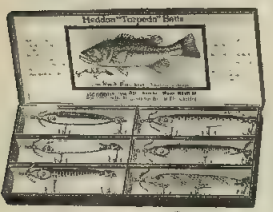
80 yds. No. 4 braided silk line. Diameter end plate, 2 inches. Length spool 1¼ inches. Diameter of spool head, 1⅛ inches.

No. C3M—German silver reel, balance handle forward, click or click and drag, screw-off caps, each *$30.00*

No. C3MJ—Same as No. C3M except made with jeweled pivot bearings, each *$36.00*

HEDDON'S WOODEN MINNOWS

HEDDON TORPEDO BAIT ASSORTMENTS



Is a very attractive assortment of six sinking spinner baits, three of each of the two sizes in which these baits are made and in a selection of the best colors. Cast straight to the spot like an arrow, and have a decided crawling appearance in the water. Each bait is packed in an individual box.

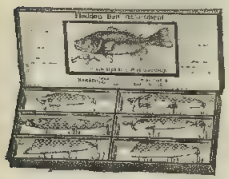
Contents:

1 No. 121 Rainbow
1 No. 129P Shiner scale finish
1 No. 129L Perch scale finish
} Length, 3 inches; weight, ½ ounce

1 No. 132 White body, red eyes
1 No. 139D Green scale finish
1 No. 139M Pike scale finish
} Length, 4⅛ inches; weight, ⅝ ounce

No. 20 Torpedo Assortment Size of box, 12x5x1¼ inches..... Each, **$6.00**
One in a Box

HEDDON MULLET SIX BAIT ASSORTMENTS



Assortment consists of two underwater torpedo baits and four of the most popular floating and diving baits, the Vamp, Baby Vamp, Basser and Lucky 13, all in the Mullet scale finish. Put up in an attractive display box, covered with red morocco paper and on the inside cover is printed a bass in true-to-life colors

Contents:

1 No. 8500R Basser minnow. Length 4¼ in ; weight, ⅝ oz.
1 No. 2500R Lucky 13 minnow Length, 3⅜ inches; weight, ⅝ oz.
1 No. 7400R Baby Vamp minnow Length, 3⅛ in.; weight, ½ oz.
1 No. 7500R Vamp minnow Length, 4⅛ in.; weight, ⅝ oz
1 No. 129R Torpedo minnow. Length, 3 in.; weight, ⅝ oz.
1 No. 139R Torpedo minnow. Length, 4⅛ in.; weight, ⅝ oz.
No. 22 Mullet Six Assortment .....Each, **$6.00**
One in a Box

HEDDON LIGHT SIX ASSORTMENTS

This very attractive selection of Heddon Baits is furnished in bright red morocco paper covered display box

Contents:

1 No. 190WF Heddon-Stanley Pork Rind Lure Nickel finish with red fly Weedless. Length, including hook, 2⅛ in ; weight ⅓ oz.
1 No 190UWF Heddon-Stanley Pork Rind Lure Copper finish otherwise same as No 190WF
1 No. 5409M Heddon Baby Game Fisher Minnow. Pike scale finish. Length, 3⅜ in.; weight, ⅛ oz.
1 No. 5401 Heddon Baby Game Fisher Minnow. Rainbow finish Length, 3⅜ in.; weight, ½ oz.
1 No. 7409P Baby Vamp Minnow. Shiner scale finish. Length, 3⅛ in.; weight, ½ oz.
1 No. 7402 Baby Vamp Minnow. White body, red eyes and tail. Length, 3⅛ in ; weight, ½ oz.
No. 21 Light Six Assortment Size of box, 8½x5⅝ in...Each, **$6.00**
One in a Box

CREEK CHUB WOODEN MINNOWS

FAMOUS PIKIE MINNOW

Is a near-surface wiggler, or by reversing the mouthpiece makes it a surface splatter. Closely imitates the pike minnow. Equipped with nickel plated mouthpiece, eyes and three bronzed, ringed spear point treble hooks securely set in sockets. Length of body, 4½ inches; weight, ⅝ ounces.

No. 700 Natural Pikie scale finish.....Per Dozen, **$12.00**
No. 701 Natural Perch scale finish.....Per Dozen, **12.00**
No. 702 White with red head.....Per Dozen, **12.00**
No. 703 Silver shiner .....Per Dozen, **12.00**
No. 704 Golden shiner scale finish.....Per Dozen, **12.00**
No. 708 Rainbow color .....Per Dozen, **12.00**
No. 710 White with blue head.....Per Dozen, **12.00**

BABY PIKIE MINNOW

Same construction as the Famous Pikie Minnow, only in smaller size for anglers who desire a smaller bait. Length of body, 3¼ inches; weight, ½ ounce

No. 900 Pikie scale finish.....Per Dozen, **$11.40**
No. 901 Natural scale finish.....Per Dozen, **11.40**
No. 902 White red head.....Per Dozen, **11.40**
No. 904 Golden shiner .....Per Dozen, **11.40**
No. 908 Rainbow color .....Per Dozen, **11.40**

NEW JOINTED PIKIE MINNOW

Is a near surface wiggler, with a smooth, snaky glide, just like the living, breathing minnow. The new jointed Pikie is even more graceful, more life-like, and more deadly. Equipped with jointed body and three bronzed, ringed spear point treble hooks securely set in sockets. Length of body, 4½ inches; weight, ⅝ ounce.

No. 2600 Natural Pike, scale finish.....Per Dozen, **$15.00**
No. 2618 New silver flash .....Per Dozen, **15.00**

FLOATING INJURED MINNOW

Represents an injured minnow—laying on its side—about all in but still able to make a little fuss on the surface. Should be pulled in a series of short jerks to properly imitate a struggling minnow. Bass instantly take it, believing it to be a minnow in trouble and easy to catch Equipped with two nickel plated spinners, and three bronzed, ringed spear point treble hooks securely set in sockets. Length of body, 3⅝ inches, weight, ⅝ ounce.

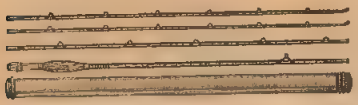
No. 1505 Red side, scale finish.....Per Dozen, **$15.00**
No. 1518 New silver flash .....Per Dozen, **15.00**

CREEK CHUB WEED BUGS

Takes the place of the Pork Chunk and live frog. It is superior to the pork chunk because it floats when cast, and the hooks are presented in a better position to receive the strike. The head is so shaped to go through the reeds and lily pads and has planes to take the bait up over the moss and weeds. These planes also make a ripple and throw a spray when the bait is retrieved. It has a hook at the rear for attaching the pork rind, and the wave-like motion of the rind makes the lure still more attractive. Length of body, 2 inches; weight, ⅝ ounce.

No. 2800 Weed bug, yellow body, green wings..Per Dozen, **$12.00**
No. 2802 Weed chunk, white body, red eyes....Per Dozen, **12.00**
No. 2819 Weed frog, meadow frog colors.....Per Dozen, **12.00**
One-Twelfth Dozen in a Box; One Dozen in a Carton
All the Above, One-Twelfth Dozen in a Box; One Dozen in a Carton

HEDDON SPLIT BAMBOO FLY RODS



Made of the finest Chinese Bamboo and only the best selection of strictly butt-cut stock is used. The brown tone or color of this bamboo contrasts beautifully with the yellow and black silk windings.

Built in the regular three-piece construction with extra tip; guides and tip-tops are tungsten steel except the first or butt guide which is genuine agate. All other metal fittings are solid Nickel Silver. The tapered split ferrules are hand fitted to insure a velvet smoothness, and the grip is solid cork. The entire Rod is put up in a beautiful, tan-colored velvet partition bag and the hole contained in an aluminum case with nickel screw-off cap.

No. C35T—Fly Rod for Trout, 9 ft., w't each 4¾ to 5 oz. ..... each $51.10

No. C35B—Fly Rod for Bass, 9½ ft., w't each 5¼ to 5½ oz. ..... each $51.10

SPLIT BAMBOO FLY RODS

No. C202—3-piece Colorado Special split bamboo, one extra tip, 10 in. solid cork grip, made from selected cane, full bronzed mountings serrated and hand welted ferrules, hand made reel plate below the hand, silk wound bronze steel snake guides, and fly tips, closely wrapped with jasper and scarlet silk, finely finished, lengths 9 and 9½ ft., is a velvet covered form and canvas bag, per dozen $355 50

SUNDAY BAIT ROD

No. C72V Hibbard—3-piece, six-strip bamboo, 13 in. joints, nickel plated trimming, making a 6 ft. rod; cluster ring tip fits in 5th joint and one 3 ring tip, 3 snake guides, 1 ring tip, cork grip, nickel plated solid metal reel seat below handle, improved ferrules, trimmed with red, also extra winding between, making rod very strong; put up in a partitioned cloth bag, length 7 ft., per dozen $124.45

SPLIT BAMBOO TRUNK RODS

No. C180 Hibbard—4-piece, bait, six strip split bamboo, shoulder ferrules, solid metal reel seat above fancy polished cork handle, spiral wire guides, ring tip nickel plated trimmings, red and black silk winding, length 7 ft., in a partitioned cloth bag, length in bag 23 in., per dozen $35.55

No. C186—4-piece split bamboo trunk, one extra tip, cork grip, nickel plated mountings, metal reel plate below the hand, plain shouldered ferrules, silk wound snake guides, silk wound at intervals with red and green silk, varnished, length 7 ft., in a partitioned cloth bag, per dozen $53.30

SPLIT BAMBOO COMBINATION ROD

No. C0—Four pieces and extra stout tip, a detachable reversible cork grip, and a metal shortner; four different rods can be made from this combination, a 4-piece 9½ ft., 3-piece 7 ft., fly, a 3-piece 7 ft. bass or bait rod and a 2-piece casting or trolling rod, made from selected cane, full nickel plated mountings, solid metal reel plate, improved ferrules, silk wound nickel silver snake guides, and closely wrapped with scarlet and yellow silk; finely varnished and put up in a canvas partitioned bag, per dozen $195.55

Hibbard SPLIT BAMBOO FLY RODS

3 piece, six strip split bamboo, nickel plated trimmings, shoulder ferrules, solid metal reel seat below cork grip, ring tie guides, fly tip, red and green silk wound, w't about 6¾ oz., in cloth bag.

No. C165 Hibbard—With extra tip, length 9¼ ft., per dozen $39.10

No. C155 Hibbard—Without extra tip, length 9 and 9¼ ft. .....per dozen $26.65

No. C167 Hibbard—3-piece and extra tip, six strip high grade split bamboo, nickel plated shoulder ferrules, solid metal reel seat below cork grip, snake guides, fly tips, closely wound with red and green silk, length 9¼ ft., w't about 7¼ oz., in a cloth bag.....per dozen $71.10

No. C169 Hibbard—3-piece and extra tip, fine quality six-strip split bamboo, nickel plated mountings, welted shoulder ferrules, snake guides, fly tips, solid metal reel seat below cork grip, very closely wound with red and green silk, cluster winding on butt, length 9¼ and 10 ft., w't about 7 oz., on cloth covered form in cloth bag, per dozen $71.10

4-piece, fly, shoulder ferrules, solid metal reel seat below fancy polished cork handle, ring tie guides, ring tip, nickel plated trimmings, red and black silk winding, length 7 ft., in a partitioned cloth bag.

No. C185 Hibbard—Six strip split bamboo, length in bag 23 in. .....per dozen $35.55

No. C187 Hibbard—Hexagonal split bamboo with extra tip, length in bag 22 in.....per dozen $115.55

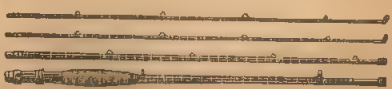
No. C294 Hibbard—3-piece and extra tip, solid cork grip, full nickel plated mountings, solid metal reel plate below the hand, improved ferrules, welted, silk wound German silver snake guides and fly tops, closely wound at intervals with green silk, finely varnished and put up in a flannel covered form and canvas bag, lengths 9 and 9¼ ft., w't about 6¼ oz. each.....per dozen $177.75

SPLIT BAMBOO FLY ROD

No. C505½—Three pieces and extra tip; cork grip, nickel plated mounting, plain ferrules; wound red and green; snake guides, length of rod 8½, 9½, 10 and 10½ ft., put up in flannel form and bag.....per dozen $44.45

No. C510½—Three-piece, extra tip, cork grip, full nickel plated mountings, plain ferrules, solid metal reel plate below the hand, funnel tops, snake guides, wound at intervals with colors of silk, finely varnished and put up in a covered wood form and cloth bag, length 8 ft., w't about 6 oz.....per dozen $51.55

No. C296—3-piece, special extra light weight split bamboo, one extra tip, swelled butt, cork covered red cedar grip, full German silver mountings, reel bands instead of solid metal reel plate, hand welted, serrated ferrules, silk wound snake guides, wound at close intervals with scarlet silk, finely varnished, length 8½ ft., w't 8¼ ozs., in velvet covered form and canvas bag; this rod is so constructed as to get all the strength possible into a light rod.....per dozen $337.75



No. C300—3-piece, fine split bamboo, one extra tip, solid cork grip, made from fine selected cane, full bronzed mounting, solid metal reel plate below the hand, improved ferrules, welted, silk wound agate first guide, balance bronzed steel snake guides and agate fly tips, closely wrapped with green silk, finely finished all green, equipped with hook keeper, lengths 9 and 9½ ft., in a velvet covered form and canvas bag..per dozen $284.40

CASED BIRD CAGES

Complete with Feed Cups, Perches and Swings

ROUND JAPANNED AND BRASS ASSORTMENT

6 Cages: 4 All White Japanned with Brass Bound Guards and 2 Brass with Brass Guards

Japanned cages are equipped with No. 1004 flint feed cups, brass cages are equipped with No. 1907 opal glass feed cups. Consists of the following:

No.	6½	275
Kind	Japanned	Brass
Diameter of Body, Inches	11	11
Height Overall, Inches	17⅞	16⅝

No. 66 Assortment Size of case, 38x21½x14½ inches. Weight per case, 43 lbs. ..... Each, **$35.00**

ROUND BRASS ASSORTMENT

6 Brass Cages with Brass Guards

Equipped with No. 1907 opal glass feed cups. Two each of the following:

No.	274	275	276
Diameter of Body, Inches	10	11	11⅞
Height Overall, Inches	16⅝	15⅝	18

No. 119 Assortment Size of carton, 21x21x18 inches. Weight 40 lbs. ..... Each, **$32.00**

Sold Only in Full Cases. We Do Not Break Cases

CASED BIRD CAGES

Complete with Feed Cups, Perches and Swings

ROUND BRASS ASSORTMENT

3 Brass Cages With Brass Guards

Equipped with No. 1907 opal glass feed cups One each of the following:

No.	1274	545	276
Diameter of Body, Inches	10½	11	11¾
Height Overall, Inches	13⅝	15⅛	17½

No. G. W. Co. Assortment Size of carton, 16x15x15 inches. Weight 15 lbs. ..... Each, **$22.00**

Sold Only in Full Cartons. We Do Not Break Cartons.

BIRD CAGES

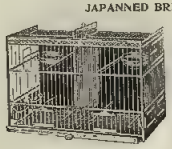
JAPANNED STORE CAGES

Japanned wire with metal drawer. Complete with 2 flint glass feed cups and 2 perches.

No. 36 Size of body, 8⅝x6½ inches; height overall, 9 inches..... Each, **$3.00**

Loose, Not Packed

JAPANNED BREEDING CAGES



All metal, white japanned green trimmed, vermin-proof. With solid and wire partitions, metal drawer and closed back. Complete with 4 No. 1016 glass feed cups, 6 perches and 2 nests.

No. 87 Length, 22 inches; width, 11 inches; height, 16¾ inches. Weight, 7 lbs. ..... Each, **$10.00**

Loose, Not Packed

TINNED PARROT CAGES

Tinned wire, 1⅛ inch space. zinc base. Complete with tinned cast iron self-locking feed cups, perch and swing.

No.	85P	90P
Diameter of Body, Inches	15½	17¾
Height, Overall, Inches	24	30
Weight, Lbs.	8	10
Each	$10.80	15.10

Loose, Not Packed

You can't go wrong on STAR DOLLS

with lifelike eyes.

The line that will increase your sales, multiply your profits.

We are makers of all kinds of Dolls

(With and Without Life-Like Eyes)

BABY DOLLS
NEWBORN BABIES
JOINTED DOLLS
STUFFED FELT DOLLS

No mechanism attached to it, nothing to get out of order, works simply and is durable, and what is most important, they don't cost more than those with plain eyes.

Write for Sample Collection, $25. upwards

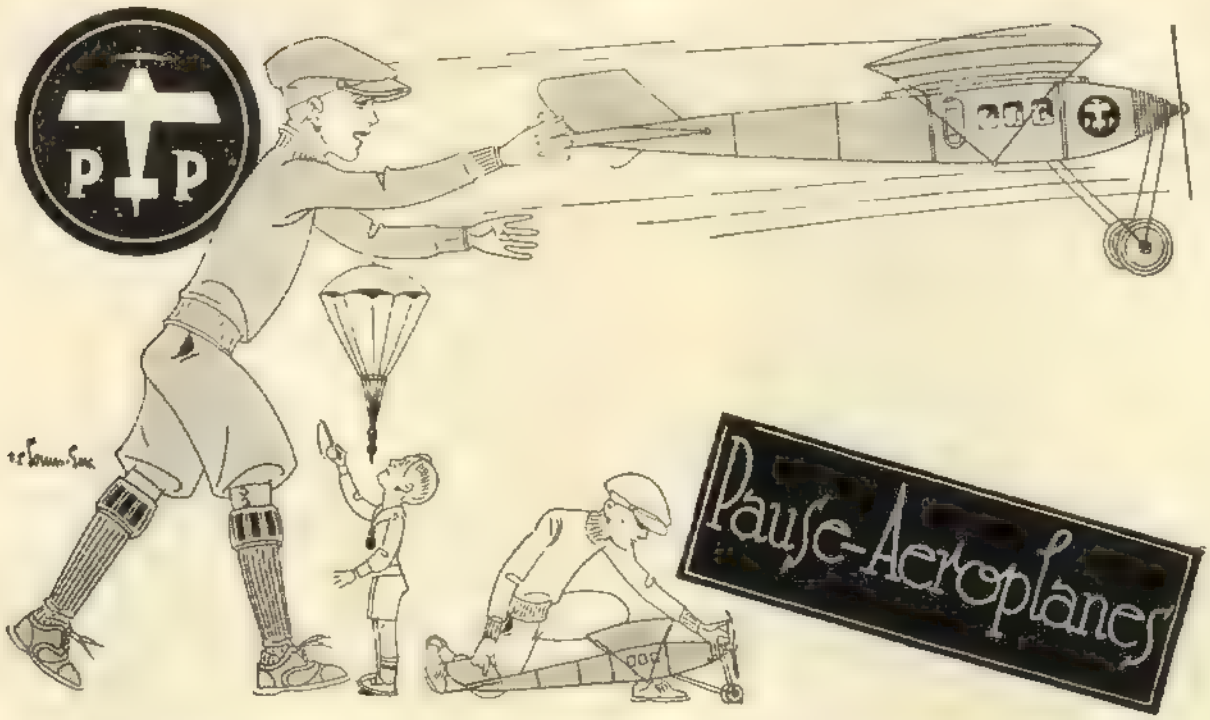
Carry me around—
I shall look either left or right.
Lay me down—
I will close my eyes tight.

HERMANN ECKSTEIN

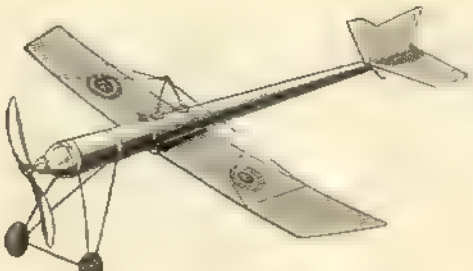
Doll Manufacturer

Neustadt—Coburg Germany

Start your letter right: "I saw your ad in PLAYTHINGS"



Pause Aeroplanes, Parachutes and Gliders



PAUSE AEROPLANE

command the world—15 years' experience!

Guaranteed Hand Made

They will be the biggest attractive article for the sea shore and summer resort season.

Once bought, you'll never drop them!

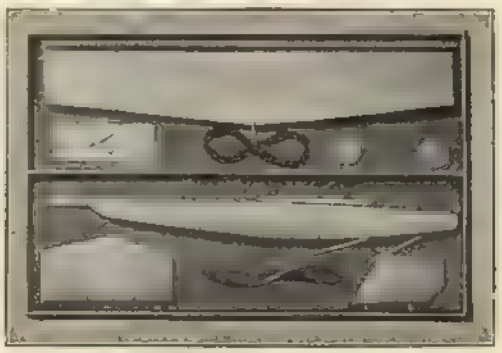
Write at once for our illustrated catalogue or for a well selected sample collection (mail parcel) against prepayment of $5.00 or $10.00.

AEROPLANE MODEL WORKS

R. & G. PAUSE,

Pasing—Munich, Germany

Show Room at the LEIPZIG FAIR
Mey & Edlich House, Neumarkt 22, 1R5



STEEL EXPRESS WAGONS

Steel body and wheels, body painted bright vermilion, striped and varnished, wheels painted black, inside painted green. Top of body bent over wrought iron rod, making it very firm, rounded corners, steel gears. Wood handle with cross bar grip.

STEEL BODY AND WHEELS

Handle ¼x¼ in.

Nos.	M05	M04	M02
Height of body, in.	2¼	2¾	3½
Body, in.	6x12	8x18	10x22
Wheels, in.	6	6	8
W't doz. crated, lbs.	48	69	78
Per dozen	$16.45	22.00	27.10

Handle ⅞ in. Square

Nos.	M1	M3	M4
Height of body, in.	5½	5½	5½
Body, in.	12x26	14x30	15x32
Wheels, in.	10	11	11
W't doz., crated, lbs.	144	210	222
Per dozen	$40.20	48.90	56.00

No. M05, HALF DOZEN; No. M04, ONE-THIRD DOZEN; BALANCE ONE-SIXTH DOZEN IN A BOX

CRUSO EXPRESS WAGONS

Solid body of 25 ga. steel, painted red, stenciled in gold. Extra heavy steel wheels painted black, nickel hub caps, heavy wrought gear with extra brace on rear axle, finished in black coke enamel, 7/16 in. round steel axles, bent handle, loop grip, painted red, four cleats across bottom.

Handle ⅞ in. Square.

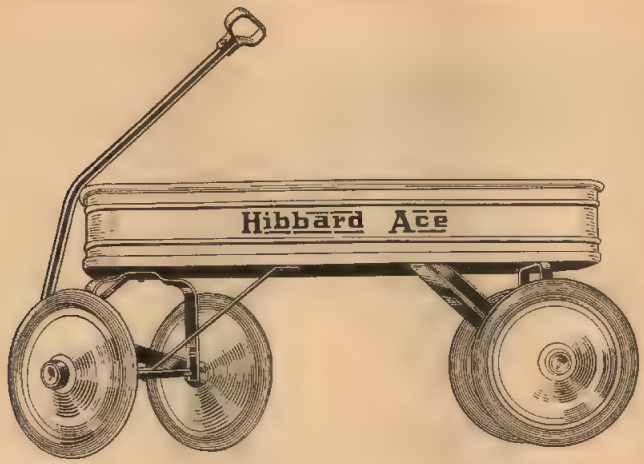
Nos.	M81	M83
Height of body, in.	5½	5½
Body, in.	12x26	14x30
Wheels, in.	10	11
W't doz., crated, lbs.	180	240
Per dozen	$50.05	63.00

SIXTH DOZEN IN A CRATE. WE DO NOT BREAK CRATES

Hibbard ACE

ALL STEEL COASTER WAGON

Here is a quality wagon at a popular price. This wagon will withstand the most severe tests or hardest usage



Box—The wagon is built of high grade 20 gauge steel. The top edge has pleasing roll as illustrated. The sides of the box are beaded for strength and appearance. Bottom of box is beaded and reinforced with heavy steel plates in all places subject to strain.

Undergear—The undergear is of heavy channel steel construction, with large axles—easy to assemble—and so formed and designed as to stand up under most excessive strains.

Wheels—The wheels are heavy double disc type—with contained roller bearings. The hub caps for these wheels, are exceedingly attractive—easy to put on, and when on, stay on.

No. M810—Size 14×34 in., 10 in. double disc wheels with self contained roller bearings and 1¾ in. rubber tires, shipping w't 88 lbs. ..... each $8.00

IN INDIVIDUAL DUSTPROOF CORRUGATED CARTONS

Hibbard TOT WAGONS

Similar in design of box and undergear to Hibbard Ace, illustrated above

Nos.	M782	M783
Body, in.	12×28	12×24
Wheels, in.	8	8
Tires, in.	1¾	1¾
Shipping w't, lbs.	30	27
Each	$6 37	5.55

ONE IN A CARTON

Hibbard All Steel Racers

STRONG - STURDY - SPEEDY

Body—Extra heavy steel with ¾ in. roll around top and wide panel around bottom of removable box. Two iron cleats across bottom with hook attachments on sides makes this the simplest and best device used for detaching box from bottom. This is a distinctive and exclusive **Hibbard** Feature.

Gear—Arched Channel Steel, supported by strong iron braces, making this a very rigid construction. Cold rolled steel axles.

Wheels—10 in. Double Disc, Roller Bearing, with Corrugated rubber tires.

Handle—Tubular Steel, curved and equipped with loop grip.

Finish—Box in bright red enamel, stenciled in gold. Bottom in baked black enamel. Gear in black enamel. Wheels red and striped in yellow.

SPECIAL FEATURES—THREE PLY STEEL — no riveting — no welding. SELF-CONTAINED roller bearings - double spacer. TIRES held securely in deep groove. SMOOTH SURFACE avoids rim cutting of tires. EXTRA LARGE HUB. HEAVY METAL DISCS. HEAVY PANEL around bottom. SLIDING CLEATS to detach box from bottom. LARGE ROLL around top. CATCHES RETAIN cleats and reinforce inside of box. STEEL CLEATS reinforce bottom.

Extra Wide and Deep Removable Body.

No. M500—Body 14½x33½ in., 10 in. wheel, black enamel handle, 1 in. balloon tires, shipping w't 38 lbs..... each **$10.55**

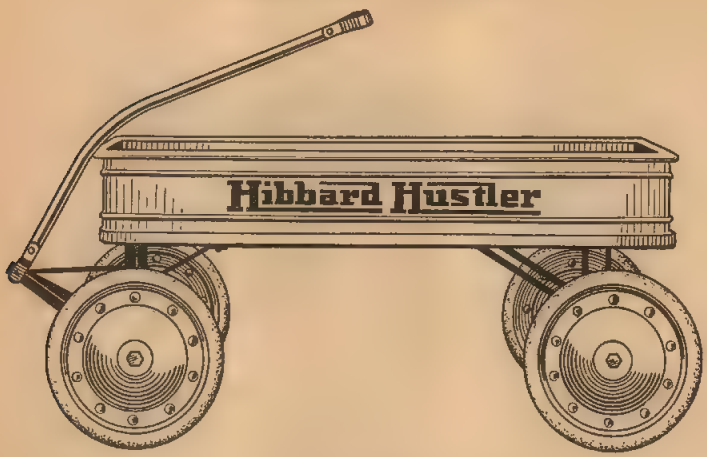
No. F500—In lots of 12 or more, we will stencil dealer's private brand on wagons,★ each **$10.00**

ONE IN A CARTON

★ Items marked thus ★ are shipped from factory only.

Hibbard Hustler

ALL STEEL COASTER WAGON



This All Steel Coaster Wagon Is:

The first choice of discriminating people, because they recognize in it a maintenance of the same high quality of design, material and workmanship that characterize the other products in our line of juvenile wheel goods.

Hibbard Hustler Coaster Wagons are built entirely of stamped steel. They are so engineered that by means of stiffening and beading an unusually staunch and sturdy wagon is produced without excessive weight. Their trim and pleasing design makes an instant appeal to all children.

Some of the features in design and construction which make these Wagons a product for service are: **WAGON BOX**—Heavy stamped steel beaded to obtain maximum stiffness. **ROUNDED CORNERS AND LOCK SEAM BOTTOMS**—Cannot come apart and will stand excessive hard usage. **WHEELS**—Double disc. Heavy steel type discs rigidly riveted together **ROLLER BEARINGS**—Self-contained hardened roller bearings, free of friction and a guarantee of service and easy running. **RUBBER TIRES**—Of highest grade rubber wired on the wheel in a deep channel to prevent thm from rolling off at sharp turns. **HUB CAPS**—Automobile style put on with special hub cap wrench which is furnished with each wagon. **HOUND**—The hound is stamped of heavy steel and is placed to withstand severe jolts. It extends sufficiently in front of the wagon to enable a comfortable position for the rider to steer with the handle when coasting. **FINISH**—All parts are of an attractive enamel finish and are baked at a temperature to procure the best results. **PACKING**—Each coaster is packed in a certified dustproof carton keeping wagon clean and fresh looking at all times

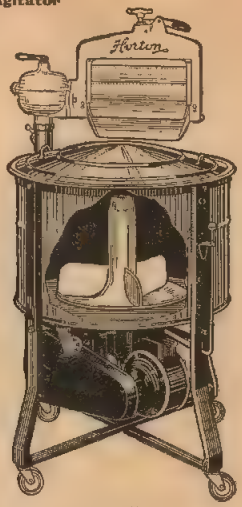
Nos.	M1228	M1434
Size Body in.	12x28	14x34
Size Wheels, in.	9	10½
Rubber Tires, in.	¾	1
Wt. Each, lbs.	30	36
Each	$8.35	$10.55

One in a Carton.

HORTON ELECTRIC WASHER

With Three-Wing Submerged Agitator

Closed View.



Phantom View.

Finest washer of the agitator type which can be manufactured. Made of very best quality materials and workmanship shows ability of skilled designers and mechanics.

Guaranteed for one year. Guarantee is backed by the pioneer in the washing machine industry.

Mechanical features give exactly what is wanted in an electric washer.

The Agitator—Special, three-wing, cast aluminum one piece construction provides a new standard of swift, gentle, and efficient washing action which thoroughly cleans the clothes in a remarkably short time.

Agitator scientifically correct, permitting the washing of a few garments as easily and quickly as the recommended load. Design of agitator is result of careful research and many years of practical experience with all types of washing machine agitators. The agitator is at the bottom of the tub.

The Chassis—Frame-work, or chassis, of great strength and rigidity without excess weight. Four channel steel legs are an integral part of the chassis and give perfect balance.

The Mechanism—Suspended on the chassis beneath the tub. Mechanism is self-lubricating. Machine cut gears insure long life, makes washer run quietly and absolutely without vibration.

Metal Frame Wringer—Equipped with the famous Horton, metal swinging wringer with reversible drain board. A safety lever instantly separates the large, full size rolls. The start, stop, and reverse lever is readily accessible.

Wringer Rolls—Made of semi-soft rubber, full size. Made especially for Horton and their construction is such that the clothes are wrung extraordinarily dry without injury to buttons or other fastenings.

Heavy Duty Motor—Made to Horton quality manufacturing standards, and at all times delivers ample power to wash and wring at the same time.

Compact Design—Perfectly balanced and proportioned, requires very little floor space. Four large roller-bearing casters used making it easy to move the machine when desired.

Sturdy Construction—Compare the sturdy construction with that of any other washer.

Copper Tub—Heavy copper tub rests securely on the chassis. Inside of the tub is nickeled, and the burnished outside is protected with a beautiful Horton finish. Tub is 23 inches in diameter—14 inches deep, made of 18-ounce copper. Tub, when filled to water line, holds 15 gallons of water. The submerged agitator makes it possible to wash a single piece or a full load as required. Water should be used in proportion to load Where only a few pieces are to be washed, water should never be lower than an inch above the blade of agitator.

No. W340—Shipping w't crated, 262 lbs. .....each $202.20

THE Hibbard SPOTLESS ELECTRIC WASHER

DOLLY TYPE

WOOD TUB. STAVE LEG

All parts entering into its construction are of the highest quality material and workmanship. Accurately cut gears completely enclosed and encased in hard oil. Tub is made of selected Southern Cypress, "the wood everlasting." All power mechanism under the frame out of the way.

Simple in operation. The agitator operates at good speed, and forces boiling suds through the clothes, washing them clean without injuring them.

Frame, stave leg fitted with easy rolling casters.

Motor is splash-proof type of excess power to take care of heavy load on both washer and wringer. 110 volts, 60 cycles.

Swinging wringer with special 12 in. power electric rolls. Equipped with lever that permits swinging and locking of wringer in three positions. Shifting lever starts and reverses rolls.

No. W44 Hibbard—Spotless Stave Leg, shipping w't 125 lbs. ..... each **$105.00**

Hibbard Go-Getter Wagon

A WINNER IN A SEMI-STEEL WAGON

A Special Value

"Hibbard Go-Getter"—Body 14½x33½ in. Sides of box made of extra heavy steel with ¾ in. roll around top and wide panel around bottom. Heavy wood bottom. Gear made of Channel, supported by strong braces. Axles of Cold Rolled Steel. Handle Tubular Steel, with loop grip, black enameled. Box finished in blue, gear in black. Wheels—10 in. Roller Bearing Double Disc, finished in red and equipped with 1 in. Rubber Tires.

No. M400—W't each 38 lbs.....each $8.90

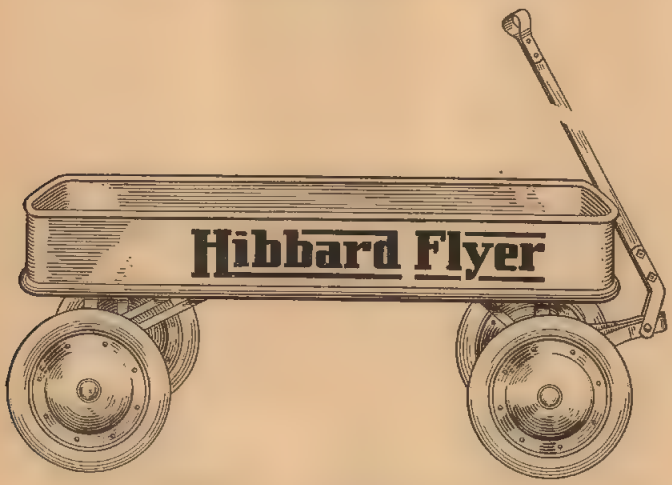
No. F400—In lots of 12 or more, we can furnish these wagons under dealer's own brand,★ each $8.90

★Items Marked Thus ★ Are Shipped from Factory Only

Hibbard Flyer

Semi-Steel Coaster Wagon

A SPLENDID VALUE PRICED EXTREMELY LOW



STURDY CONSTRUCTION

Body—Made of steel with wooden bottom.
Outside Finish—Green enamel.
Inside Finish—Red enamel. Red wheels.
No. M200—Size 18×33 in. with 9 in. roller bearing double disc wheels with 1 in. rubber tires, w't each 28 lbs. each **$7.75**

ONE IN A CARTON

Hibbard JR. FLYER

Body—Beaded sheet steel sides—well seasoned wood bottoms, finished in blue.
Wheels—Double disc, plain bearing equipped with high grade rubber tires.
Undergear—Steel enameled black—axles fastened in bolsters to prevent turning.
Loop—Grip on handle.

Nos.	M196	M197	M198
Body, in.	10×22	12×26	14×30
Wheels, in.	6	7	8
Tires, in.	½	½	½
W't per carton, lbs.	23	39	48
Each	$4.45	5.09	6.65

SIXTH DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

BASE BALL BATS
LOUISVILLE SLUGGER

Special Notice Louisville Slugger and Hillerich & Bradsby Co's. Bats are not guaranteed against breakage.

We will not make any adjustments on Louisville Slugger or Hillerich & Bradsby Co.'s broken Bats of any kind, regardless of how held.

Harry Heilmann Model.

Second growth ash, oil tempered and water-proof finish. Small barrel with long hitting surface, quick taper to extra small handle and medium knob. Registered trademark autograph of Harry Heilmann burnt on barrel end.

Per Doz
No. 40HH—Length 33 to 36 ins $53 40
One in paper bag; one doz in crate; wt per doz 38 lbs.

Babe Ruth Model.

Second growth straight grain white ash, oil tempered and water-proof finish. Medium barrel with long hitting surface tapering to medium handle and extra large knob. Registered trade mark autograph of Babe Ruth burnt on barrel end.

Per Doz
No. 40BR—Lengths 33 to 36 ins $53 40
One in paper bag, three doz in crate; wt per doz 33 lbs.

George Sisler Model.

Second growth ash, oil tempered and water-proof finish. Large barrel with long hitting surface and quick taper to medium handle and knob. Registered trademark autograph of George Sisler burnt on barrel end. Per Doz
No. 40GS—Lengths 33 to 36 ins $53 40
One in paper bag, one doz in crate; wt per doz 33 lbs.

Bingo Kelly Model.

Second growth ash, oil tempered and water-proof finish. Large barrel with long hitting surface gradually tapering to large handle and knob. Registered trademark autograph of George Kelly burnt on barrel end. Per Doz
No. 40GK—Lengths 33 to 36 ins $53 40
One in paper bag; one doz in crate; wt per doz 33 lbs.

Bucky Harris Model.

Second growth ash, oil tempered and water-proof finish. Small barrel gradually tapering to long thin handle and medium knob. Registered trademark autograph of Bucky Harris Burnt on barrel end. Per Doz
No. 40BH—Lengths 33 to 36 ins $53 40
One in paper bag, three doz in crate; wt per doz 33 lbs

Bone Rubbed.

Second growth ash, weather tempered, and bone rubbed which closes the pores of wood giving a hard hitting service. Each bat autographed. Per Doz
No. 250—Lengths 32 to 36 ins ..... ✤$66 00
One in bag; one doz in crate; wt per doz 33 lbs.

✤F. O. B. Kentucky Factory Only.

BASE BALL BATS
LOUISVILLE SLUGGER

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Ty Cobb Junior Model.

Second growth, straight grain ash, polished finish. Registered trademark autograph of Ty Cobb burnt on barrel end.

Per Doz
No. 40TCJ—Length 32 ins $23 70
One doz in crate; wt per doz 25 lbs.

Eddie Collins Model.

Per Doz
No. 40ECJ—This bat is made from the choicest stock and from the model of Eddie Collins, famous player of Philadelphia Athletics, with our golden mottled finish, photo "Trade Mark" transfer; length 32 ins $23 70
One in paper bag, three doz in crate; wt per doz about 28 lbs.

Babe Ruth Junior Model.

Second growth white ash, highly polished, golden finish. Youths' size. Registered trademark autograph of Babe Ruth burnt on barrel end. Per Doz
No. 40BRJ—Length 32 ins $23 70
One in paper bag, three doz in crate; wt per doz 25 lbs.

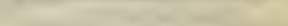
Semi Pro.

Second growth ash; lengths 33, 34 and 35 inches. Per Doz
No. 118—Brown stain finish, with white grip highly polished and taped; branded "Semi Pro" $23 70
One in paper bag; three doz in crate; wt per doz about 37 lbs.

Professional League, Taped Grip.

Second growth straight grain ash, burnt oil finish, highly polished. Professional burnt on barrel end. Per Doz
No. 16—Length 32 ins $35 70
One in paper bag, three doz in crate; wt per doz 38 lbs.

—BELKNAP—
HOME RUN



Selected second growth ash, golden oil finish, turned from an assortment of the most popular models used by big league players.

Per Doz
No. HR-1—Ass't lengths 32 to 36 ins $30 00
One doz in crate; wt per doz 33 lbs.

D 9

BASE BALL BATS

HILLERICH & BRADSBY CO.

Special Notice—Louisville Slugger and Hillerich & Bradsby Co's. Bats are not guaranteed against breakage. We will not make any adjustments on Louisville Slugger or Hillerich & Bradsby Co.'s broken Bats of any kind, regardless of how held.

Safe Hit.

Second growth white ash, natural finish, highly polished. Professional burnt on barrel end. Per Doz

No. 15—Lengths 32 to 35 ins $35 70

One in paper bag, one doz in crate; wt per doz 33 lbs.

King of the Field.

Second growth straight grain ash, golden flame burnt finish, highly polished. League regulations burnt on barrel end. Per Doz

No. 12—Length 32 to 35 ins $23 70

One in paper bag, one doz in crate; wt per doz 33 lbs.

King Of The Field, With Taped Handle.

Second growth oak, golden finish highly polished. League regulations burnt on barrel end. Per Doz

No. 13—Lengths 32 to 35 ins $23 70

One in paper bag, one doz in crate; wt per doz 33 lb.

Youth's Slugger.

Second growth ash, burnished finish. Professional transfer on barrel end. Per Doz

No. 42—Length 32 ins $17 85

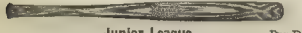
One in paper bag, one doz in crate; wt per doz 25 lbs.

Champion.

Per Doz

No. 8—Ash, 32 ins long; varnished, branded "Champion" $13 20

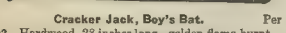
Three doz in crate; wt per doz 24 lbs.



Junior League. Per Doz

No. 4—Ash, 32 ins long, flame burnt, highly polished, branded "Junior League" $11 85

Six doz in crate; wt per doz about 26 lbs.



Cracker Jack, Boy's Bat. Per Doz

No. 02—Hardwood, 28 inches long, golden flame burnt finish $6 60

Six doz in crate; wt per doz about 24 lbs.

Indoor Bats.

Ash, flame burnt, polished; taped. Per Doz

No. 52—Length 33 ins $19 80

Three doz in crate; wt per doz 22 lbs.

BASE BALL BATS

HILLERICH & BRADSBY CO.

Special Notice—Louisville Slugger and Hillerich & Bradsby Co's. Bats are not guaranteed against breakage. We will not make any adjustment on Louisville Slugger or Hillerich & Bradsby Co's. broken bats of any kind regardless of how held.

Rogers Hornsby Model.

Second growth ash, turned by experts; cured in oil. Large barrel tapered gradually to thin handle, with medium knob, driving power concentrated at extreme end of bat. Used by this player in leading National league in batting for 6 consecutive years. Per Doz

No. 40RH—Lengths 33 to 36 ins inclusive $53 40

One in paper bag, one doz in crate; wt per doz 28 lbs.

H. S. Cuyler.

Second growth ash. Medium large barrel with long hitting surface, tapering to medium handle and extra large knob. Registered trade mark autograph of Hazen Cuyler burnt on barrel end. Per Doz

No. 40HC—Length 33 to 36 ins $53 40

One in paper bag, one doz in crate; wt per doz 33 lbs.

Frank Frish Model, Taped Grip.

Second growth ash, oil tempered and water-proof finish. Medium, barrel with extra long hitting surface and quick taper to medium handle and knob. Registered trademark autograph of Frank Frish burnt on barrel end. Per Doz

No. 40FF—Length 32 to 36 ins $53 40

One in paper bag; one doz in crate; wt per doz 33 lbs.

Second growth ash, turned by experts; cured in oil. Assorted models of famous sluggers. Golden finish. Per Doz

No. 125—Length 32 to 36 ins $53 40

One in paper bag, three doz in crate; wt per doz 34 lbs

MINIATURE

A reproduction minature model of No. 125 Louisville Slugger base ball bat. For use as souvenirs and advertising purposes. Per Doz

No. 71—Length over all 14 ins $3 30

Packed loose; wt per doz 2¼ lbs.

BASE BALL BAT RACKS

HILLERICH AND BRADSBY CO.

Hardwood, varnished. Size at base 22x35 ins; height 60 ins. Each

No. D75—Holds 144 bats $17 25

One in crate, K. D.; ship wt 50 lbs.

Courtesy of the Public Ledger Company

© *The Public Ledger Company*

Reproduced in four color process, 150 screen, from a Water Color Painting by JAMES PRESTON, *for* HISTORIC PHILADELPHIA *Engraved and Printed by the* BECK ENGRAVING COMPANY *of* PHILADELPHIA

Courtesy of Robert Chanler

Reproduced direct from a Lumière Autochrome of an interior decorated by ROBERT CHANLER *of New York*
Four color process, 150 screen. Engraved and Printed by the
BECK ENGRAVING COMPANY *of* PHILADELPHIA

M. Hohner's Harmonicas

M. HOHNER'S "MARINE BAND"

Harmonica, "Marine Band." (Hohner's No. 1896) Genuine Hohner Harmonica. The instrument with a national reputation. It measures 4 inches in length. 10 single holes, 20 reeds, brass plates heavy convex nickel plated covers with open back. Each instrument is contained in a fancy hinged box. ⅛ dozen in package.
No. 78N26. Per dozen..... 3.92

M. HOHNER "CHIMES"

"Chimes." Genuine Hohner Harmonica. Medium size double-sided tremolo instrument in two different keys, having 48 perfectly tuned reeds. Genuine brass plates finely nickel plated covers in new design, turned in ends. Each Harmonica accompanied by durable and handsome hinged box in colors. ⅛ dozen in box.
No. 78N36. Per dozen.. . 7.35

M. HOHNER "ECHO"

"Echo." Genuine Hohner Harmonica. Large double-sided tremolo instrument in two different keys, having 64 perfectly tuned reeds. Genuine brass plates, finely nickel plated covers with turned-in ends. Packed in a very attractive hinged box with pictorial design in many colors. Length 5¼ inches. ⅛ dozen in box.
No. 78N31. Per dozen..... 9.40

M. HOHNER'S "ECHO"

Harmonica, "Echo." Genuine Hohner Harmonica. (Hohner No. 605.) Measures 5⅛ in. in length. A very fine tremolo instrument having 16 double holes, 32 reeds, brass plates finely nickel plated covers with turned-in ends. Packed in fancy hinged box with appropriate design in six different colors. ⅛ dozen in package.
No. 78N29. Per dozen..... 4.70

M. HOHNER'S "CONCERT"

Harmonica, genuine Full Concert Hohner Harmonica. The recognized standard the world over and used by leading professional players throughout the world. Measures 4¾ inches in length. 10 double holes, 40 reeds, brass plates. Covers finely nickel plated with turned-in ends. Packed in a strong hinged box. Always standard. ⅛ dozen in package.
No. 78N30. Per dozen..... 5.88

HOHNER ASSORTMENT

"Hohner Boy" (Hohner's No. 425). Assortment consists of one permanent display card measuring 31 inches in height and 15 inches in width, beautifully lithographed in five different colors with patented easel. Mounted on the display card are one dozen genuine Hohner Harmonicas to retail at 50 cents each, assorted in a variety of styles in seven different keys. Your profit is over fifty per cent. Each assortment in box.
No. 78N28. Per assortment.. 3.92

Hohner Harmonica Assortment, No. 1. This is an assortment of Hohner Harmonicas very attractively gotten up and should be in the stock of every retail dealer. It consists of 12 genuine Hohner Harmonicas in three different styles, assorted keys. Packed in a handsome, flat display carton adapted for counter display. Each assortment in box.
No. 78N27. Per assortment.. 3.72

Savings Banks and Novelties

A Good Line of the Best Sellers at Lowest Prices

Gem Dime Bank, holds $5 in dimes and cannot be opened until full. This item is still as popular as it ever was. Nickel plated, one dozen in box.

No. 84N3.
Per dozen.... .80

READY CHANGE

Ready Change Holder has four spring compartments for holding coins, marked 1, 5, 10 and 25 cents, made of metal and nickel plated. One dozen in box.

No. 84N4. Per dozen..... .90

IRON BANK

A Well Made Bank and nicely finished in plain gold color. Size 3⅝ inches long, 1⅝ inches wide, 3 inches high. Packed one dozen in paper box.

No. 84N1 Per dozen ..... .90

IRON BANK

Colonial House Bank, in plain gold or aluminum color. A very big value for the money. Size, 4 inches long, 2¾ inches wide, 4 inches high. Packed ¼ dozen in box.

No. 84N2. Per dozen..... 2.00

UNCLE SAM NICKEL BANK

This Bank is for Nickels Only. Made of heavy cold rolled steel lacquered in gold and finished in black enamel. Registers each time coin is deposited until $10.00 shows on indicator. Packed each in box.

No. 84N27. Per dozen..... 16.00

Each..... 1.40

UNCLE SAM DIME BANK

This Bank is for Dimes Only. Can hold up to $10.00 in 10-cent pieces and registers each time coin is deposited. Made of heavy steel decorated with gold lettering and finished in black enamel. Each in box.

No. 84N28. Per dozen..... 16.00

Each..... 1.40

UNCLE SAM 3-COIN BANK

3-Coin Register Bank for nickels, dimes and quarters. Made of heavy rolled steel finished in black enamel. This bank locks and unlocks automatically and registers each time nickel, dime or quarter is deposited up to the amount of $10.00. Packed each in box.

No. 84N25. Per dozen..... 20.00

Each..... 1.75

PLAY STORE REGISTER

This register is 4½ inches high, 4½ inches wide and 5 inches in depth. It has five keys $1.00, 50c, 25c, 10c and 5c. When pressed cause these amounts to appear in real cash register. The door opens each time, ringing a bell and amount of register flashes on index. Make believe money is also furnished with each register. One in box.

No. 84N29. Per dozen..... 14.00

Each..... 1.25

PLAY STORE SCALES

This Scale is 5⅛ inches high, 6 inches long and 4 inches wide. Has a lever that indicates the weight. Made of metal and finished to resemble real store-like modern scale.

No. 39N86. Per dozen 2.80

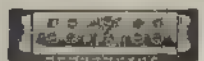
BABY CARRYALL CASE

Comes in Red, Blue and Black. Made of embossed imitation leather and is 6½ inches high, 7 inches wide, and 3⅛ inches deep. Has leatherette binding and metal fastener and hinges. Is decorated with oil colors, attractive designs of assorted nursery rhyme subjects such as Bo-Peep, Little Red Riding Hood, etc.

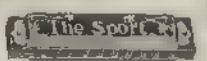
No. 38N38. Per dozen..... 4.50

Pohl, Hotz Rauner & HOHNER HARMONICAS

"POHL" AND "HOTZ" HARMONICAS



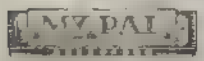
2F8801 — (Mfrs 50) Pohl "Tremolo Concert," 4x1 in., 10 holes, 20 reeds, brass plates, nickel plated covers, 1 doz. in box. Doz. 42c to $4.75



2F8815 — (Mfrs Hotz) "The Sport," 4x1 in., 8 holes, 8 reeds, brass plates, nickel plated covers, 1 doz. in pkg. Doz. $1.60

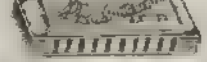
2F8803 — (Mfrs 50) Pohl "Tremolo Concert," 4x1 in., 24 holes, 10 reeds, brass plates, nickel plated covers, ebonized frame, 1 doz. in pkg. Doz. 78c to $9.00

2F8821 — (Mfrs 010) Hotz "American Ace," 4x1 in., 10 holes, 20 reeds, brass plates, mahogany frame, nickel plated open covers, 1 doz. in display box. Doz. $1.75



2F8805 — (Mfrs 11) Pohl "My Pal," 4x1 in., 10 holes, 20 reeds, brass plates, nickel plated covers, 1 doz. in pkg. Doz. 80c to $9.25

2F8850 — (Mfrs 6) Hotz "Blue Ribbon," 4x1 in., 10 holes, 20 reeds, brass plates, nickel plated covers, ½ doz. in carton. Doz. 90c to $9.25



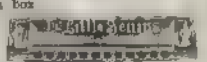
2F8823 — (Mfrs 6) Hotz "Song Bird," 10 holes, 20 reeds, brass plates, nickel plated covers, ½ doz. in display carton. Doz. $2.00

2F8829 — (Mfrs 010) Hotz "Happy Dave" asst., 2 styles, 4x1 in., 10 holes, 20 reeds, brass plates, nickel plated covers. Asstd. 1 doz. in display carton. Doz. $1.75

"RAUNER" IMPORTED HARMONICAS

Each in box

2F8775 — "Mr Bubs," 1¼x½ in., 4 holes, 8 reeds, reed attached, 1 doz. in box. Doz. 85c to $7.20

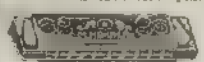


2F8750—2 styles, 1¼x½ in., 10 holes, 20 reeds, brass plates, asstd. keys, 1 doz. in display carton. Doz. 1 to Asst

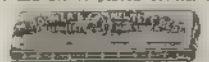
2F8751 — "Victor," 1¼x½ in., 10 double holes, 20 reeds, brass plates, nickel plated covers, each in box, ½ doz. in carton. Doz. $2.10

"M. HOHNER" HARMONICAS

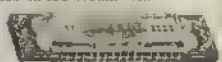
All have brass plates and nickel plated covers, each in individual box



2F8820 — (Mfrs 40B) "Old Favorite," 4x1 in., 10 double holes, 20 reeds, ½ doz. in box. Doz. $3.75



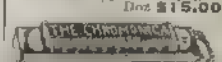
2F8839—(Mfrs 8 (ND) "The World Renowned," 4¼x1¼ in., full concert, 10 double holes, 40 reeds, ½ doz. in pkg. Doz. $6.00



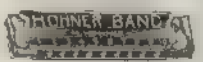
2F8847 — (Mfrs 4) Hohner's Band, 7¾x2¾ in., 32 double holes, 64 silver reeds, silver engraved, lined leatherette case, ½ doz. in pkg. Doz. $15.00

2F8827 — (Mfrs 4B) "Old Standby," 4x1 in., 10 holes, 20 reeds, ½ doz. in pkg. Doz. $3.75

2F8841 — (Mfrs 365) "Marine Band," 4¼x1¼ in., 10 double holes, 40 reeds, ½ doz. in pkg. Doz. $7.20

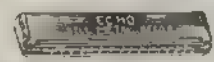


2F8854 — (Mfrs 250) "Chromonica," 4¼x1¼ in., 12 holes, 24 reeds, brass plates, nickel plated covers, 1 doz. in display box. Supplies including half tones not in regular styles, 1 in wooden box, imitation leather covering, ½ doz. in pkg. Doz. $21.00

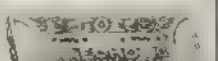


2F8829 — (Mfrs 8) "Hohner Band," 4x1 in., 10 holes, 20 reeds, ½ doz. in box. Doz. $3.85

2F8837 — (Mfrs 4) "Harmonette," 4¼x1¼ in., 10 holes, 20 reeds, harp shape resonator or sound box, ½ doz. in pkg. Doz. $8.00



2F8834 — (Mfrs 805) "Echo," 4¼x1¼ in., 10 holes, 20 reeds, brass plates, nickel plated covers, 1 doz. in display box. Doz. $4.80



2F8844 — (Mfrs 600) "Echo," 4¼x1¼ in., double sided tremolo, 2 keys, 16 double holes, 64 perfectly tuned reeds, tuned in reeds, ½ doz. in box. Doz. $9.60

2F8835 — (Mfrs 254) "Sportsmans" 4¼x1¼ in., fine tremolo, 16 double holes, 32 reeds, ½ doz. in box. Doz. $8.75

"M. HOHNER" REVOLVING PYRAMID ASSORTMENT

2F8848—(Mfrs 600) 32 in. high, 16¾ in. square at base, 6¾ in. at top, revolving on one screw, 8 sides, 8 tiers, 48 harmonicas in 12 styles, 7 keys each in attractive box, nickel to pyramid by steel easel. Retail price shown on chart (1 tier from one to 8 tiers) from one to 8 tiers. Total Retail at 30% Off

1	"	$ 3.40
2	"	6.80
3	"	10.20
4	"	13.60
5	"	17.00
6	"	20.40
7	"	23.80
8	"	27.20

Total retail value $28.40
ASST (48 harmonicas and stand) Shipping weight 50 lbs. $21.50

"M. HOHNER" ASSORTMENTS

2F8928—(Mfrs 410) 8 styles, 4x1 in., Hohner harmonicas, assted keys. Retail 60c each, 1 doz. in display carton. Doz. $3.80

2F8931 — (Mfrs 4) 4 styles, Hohner harmonicas. Retail 50c each, 1 doz. on display stand. Doz. $4.00

REFILLS FOR REVOLVING STAND

2F8849 — (Mfrs 001) 12 styles, 7 keys each in box. Asstd. 36 in carton. ASST 36 harmonicas $18.50

"M. HOHNER" ORGANETTE OR BLOW ACCORDION

2F8900 — (Mfrs 143) 15 in., 3 tremolo reeds, 10 keys, 3 bass keys, nickel plated trim, 1 in carton. Each $1.60

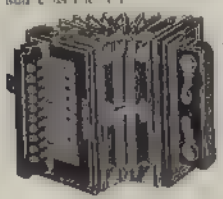
Hohner's "Marine Band" Harmonica

A famous model by a famous maker. Full toned accurate in every reed. Will be delighted. An exceptional value.

2F8830— Mfrs 1896, "Marine Band," 4x1 in., 10 holes, 20 reeds, nickel plated. Doz. $4.00

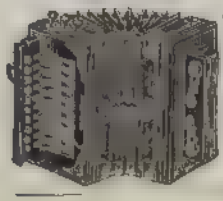
"M. HOHNER" ACCORDIONS

All self-acting spring clasps, nickel plated or fancy bright, Guaranteed perfect in tone and construction.



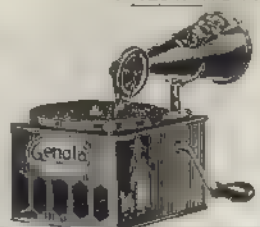
2F8868 — (Mfrs 6) 3 x 10 key, 2 plate, nickel plated frames and bellows, clear tone, 2 bass keys, steel reeds, 2 set reeds, 2 stops, 14 in. box. Each $4.00

2F8869 — (Mfrs 6) 3 x 10 key, 2 plate, nickel plated frames and bellows, clear tone, 2 bass keys, steel reeds, 2 set reeds, 2 stops, 14 in. box. Each $4.35



2F8888 — (Mfrs 6) 3 x 10 key, 2 plate, nickel plated frames and bellows, clear tone, 2 bass keys, steel reeds, 2 set reeds, 2 stops, triple bellows, 14 in. box. Each $6.10

CHILDREN'S PHONOGRAPHS



1F2944 — (Mfrs 8) Metal body type, green enamel finish with Kiddie characters, black metal horn, speed regulator, reproducer, clear tone, guarantee 90 days, one 10 in. record without reproducer, 1 in carton. Each $4.35

1F2137 — "Baby Jeannette," 17 keys, metal case, 1 pair chain type drive, 1 set reeds, 1 pair bellows, 1 set 10 in. needles, guaranteed to play two 10 in. records without rewinding, special reproducer, 1 in carton, 4 lbs. Doz. $18.00 Each $2.00

Upright Model

1F2167 — 17¼ in. high, ivory enameled, fancy design, plays 10 in. records, clear tone, long runner gives louder, 1 in shipping carton, 11 lbs. Each $6.50

Our Terms 2% Ten Days 1% 30 Days Net 60 Days

Phonograph Needles

"Gilt Edge" Assorted loud, extra loud, medium tone and dance tone needles, each needle plays 10 records, 50 in pkg. Retail 10c per pkg.

1F4730 — 50 pkgs. in carton (500 needles) ASST (50 pkgs) $2.50

Polished Steel, 100 in envelope, 1 M (10 envs.) in box

1F4735 — 1 M

1F4736— Metal box, Per M 45c

"Wall Knox" Brass plated, assorted 50 in pkg.

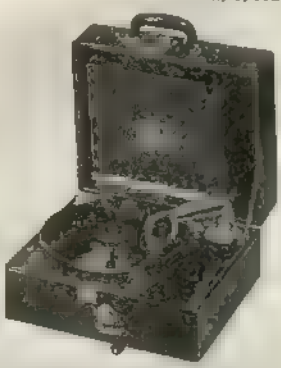
1F4737 — 1 pkg. on display stand. Each needle 10 records. Retail value 89c ASST (5 doz. pkgs) $3.50

"Carryola" Portable Phonographs

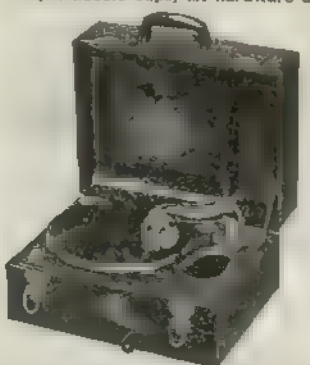
Made by the Carryola Company of America—Nationally Advertised

"Carryola" is the best portable phonograph on the market today and here are the three best numbers in the "Carryola" line! "Cub" is brand new this year! "Master Carryola" and "Flapper" are already established as big sellers the year around.

All cabinets are covered with genuine Dupont fabrikoid (imitation leather) air brush finish, speed regulator, non-spill needle cups, all hardware double nickel plated.



"Cub" -18½x11½x7½, strong motor, plays about two [illegible] with 1 [illegible] self contained compartment [illegible] Each **$9.00**



"Master Carryola"—15x12x8, new type curved tone arm and amplifier on reproducer, [illegible] Each **$15.00**

"Flapper"—16x14½x8¼, new hexagon shape, similar to [illegible] Each **$16.50**

"PETER PAN" PORTABLE PHONOGRAPH

"Peter Pan" Camera Style—7x4½x9", leather covered [illegible] Each **$8.00**

"YALE BLUE BIRD" PHONOGRAPH

"Yale Blue Bird"—9½x9½ mahogany finished [illegible] Each **$6.95**

"GRAND OPERA" CONSOLE PHONOGRAPH

New "Symphonic" Reproducer

Increased volume and richer tone—similar to the popularly advertised machines.

"Queen Anne" Period, mahogany [illegible] express motor, plays [illegible] Each **$57.00**

"RADIEX" 10-INCH RECORDS 20c

DOUBLE DISC

No less than 10 sold, 2 or assid. titles

50 or more, Each 18c **10 or more, Each**

DANCE RECORDS

1F14300	I Need Lovin— / No Girl is Perfect—	1F14290	Muddy Water— *White Way Orch.* / Chile Con Carne— *Musette Orch*
1F14350	Nesting Time— / Restless Mary—	1F14250	I Gotta Get Somebody to Love— / [illegible]
1F14340	[illegible] Moon / Sudden in Paris—	1F14240	Crazy Words—Crazy Tune / [illegible]
1F11370	[illegible]	1F14230	Sam the Old Accordion Man— / [illegible]
1F14330	[illegible] / I See You In Kentucky—	1F14220	[illegible]
1F14310	[illegible] / [illegible]	1F11210	(Medley Dance) *Specialty Orch* / (Always in The Blues—
1F14100	[illegible] / [illegible]	1F14200	[illegible] / [illegible]
1F11200	[illegible] / [illegible]	1F14190	[illegible] / [illegible]
1F14280	Never Seen a Straight Banana— / The Bootlegger's Daughter—	1F14180	[illegible] / [illegible]
1F14270	Since I Found You— / In the Valley of Memory—	1F14170	High, High, in the [illegible] / [illegible]

NEW! AUGUST RELEASES

DANCE RECORDS

1F14400	Sylvia— / Harry and Chamberlin—	1F14380	Rosy Cheeks— / No Girl is Perfect—
1F14390	As We Kiss / Beyond the Clouds—		

VOCAL

1F23450	She's Got It / No Girl is Perfect	1F23430	Power Out of Your Mouth— / You'll Never Know (In Old Place
1F23410	Forever M / When Happiness Dawns	1F23380	Linger Longer Lucy / Say No [illegible] Not—
1F23400	Gypsy Sue— / I Want a Pal to Love Again—	1F14370	Pickin' a Chicken / What Good Are Tears—

TWENTY RECORD ASSORTMENT

1F49020—Consists of 20 ten inch "Radiex" records (40 selections) of the best selling new releases. Retail price (Value 75c) $2.00

Assortment, 20 records $3.60

DANCE RECORDS

1F14360	I Need Lovin— / No Girl is Perfect—	1F14290	Muddy Water— *White Way Orch.* / Chile Con Carne— *Musette Orch*
1F14350	Nesting Time— / Restless Mary—	1F14250	I Gotta Get Somebody to Love— / [illegible]
1F14340	[illegible] Moon / Sudden in Paris—	1F14240	Crazy Words—Crazy Tune / [illegible]
1F11370	[illegible]	1F14230	Sam the Old Accordion Man— / [illegible]
1F14330	[illegible] / I See You In Kentucky—	1F14220	[illegible]
1F14310	[illegible] / [illegible]	1F11210	(Medley Dance) *Specialty Orch* / (Always in The Blues—
1F14100	[illegible] / [illegible]	1F14200	[illegible] / [illegible]
1F11200	[illegible] / [illegible]	1F14190	[illegible] / [illegible]
1F14280	Never Seen a Straight Banana— / The Bootlegger's Daughter—	1F14180	[illegible] / [illegible]
1F14270	Since I Found You— / In the Valley of Memory—	1F14170	High, High, in the [illegible] / [illegible]

POPULAR VOCAL

1F23460	[illegible] / [illegible]	1F23430	[illegible] / [illegible]
1F23450	[illegible] / [illegible]	1F23410	[illegible] / [illegible]
1F23410	[illegible] / [illegible]	1F23270	[illegible] / [illegible]
1F23330	[illegible] / [illegible] Apple Tree	1F23270	[illegible] / [illegible]
1F23310	[illegible] / [illegible] Photo At	1F23210	[illegible] / [illegible]
1F23310	[illegible] / [illegible]	1F23200	[illegible] / [illegible]
1F23300	[illegible] / [illegible]	1F23190	[illegible] / [illegible]
1F23290	[illegible] / [illegible]	1F23180	[illegible] / [illegible]
1F23280	[illegible] / [illegible]	1F23170	[illegible] / [illegible]
1F23270	[illegible] / [illegible] Cap— / [illegible]	1F23160	[illegible] / [illegible] Arthur Fields
1F23260	[illegible] / [illegible]	1F23150	[illegible] / [illegible] Hall

Goods With Price Tickets Sell Themselves!

THE HOHNER-SAX

A New Creation For the Nation

The Hohner-Sax, a product of the world famous M. Hohner factories, is a practical musical instrument of an extremely novel character which will afford fun, education and music for millions. It is an instrument distinctly unique and promises to become popular throughout the country.

In appearance, the Hohner-Sax closely resembles the saxophone. In a very few moments and without knowledge of music, anyone can learn to play this ideal instrument. The popular price, the exceptionally pleasing music which it affords, its unique shape, all are features that will go to make this instrument the choice of millions of people. The dealer who is ready to meet this demand will be the one to enjoy the profits.

No. C22B—Hohner-Sax, length 17½ in., constructed throughout of heavy brass, highly polished; has 10 treble keys with 2 sets of blow and draw reeds accurately tuned, 2 bass keys, regular saxophone bell and goose-neck mouth piece.....each $7.35

ONE IN A CARDBOARD BOX

HOHNERS ORGANETTE OR BLOW ACCORDION

A real popular musical instrument. A novel and attractive musical instrument which affords an abundance of real, good music. This ideal instrument promises a world of amusement, and as a gift, it is sure to prove most acceptable.

No. C14B—Organette, length 14¾ in., constructed throughout of heavy brass highly polished, has 10 keys, 2 bass keys, metal mouth piece and bell, all finely nickel plated .....each $3.35

ONE IN A DURABLE CARTON

Hibbard
HARDWARE *for* HARD WEAR

OUR VERY BEST

Our Very Best for Fifty Years
Has Stood the Test

OUR VERY BEST

Our Very Best
Is
The Very Best

OIL PUMPS.

Glass Cylinder. Self-Measuring.

Made for attachment to any 15, 30, 55 or 60 gallon steel drum with 1½ inch bung opening; bushing for 2 inch bung provided if ordered; pump is self-measuring, exactly 1 quart at each revolution; no stop setting; a pure glass cylinder; bottle filler nozzle and drip pan for holding can or measure, also returns drip to barrel.

No. 8. Wt. each, 29 lbs...Each **$15 00**

Made of very best material; heavy cast iron cylinder ends; brass cylinder; valve ground to seat; will pump four gallons of medium oil per minute.

Rothweiler. Fits in the small ¾ in. hole in head of drum. Wt. ea., 8 lbs. Ea. **$8 00**

JACKS.

RELIABLE. HYDRAULIC.

Operates with great simplicity; to raise the jack, the operator need only pump the handle; he can use a full stroke of 50 inches, or he can use a stroke of 1 inch, being limited only by circumstances. No complicated ratchets, dogs, foot levers, chains or toggles. The jack works on the well known hydraulic principle; the release valve is controlled by the lever down on the side of the handle; opening the valve, lowers the load—at once or by degrees as the operator prefers. The saddle swivels and the jack will swing under the wheels, to the right or left, front or rear. Roller bearings on the wheels, roll the jack to position with minimum effort; has ample clearance for use on uneven floors. To place in position, pivot the jack on the rear wheels and push down on the handle.

FOR ALL PASSENGER CARS.

No. 50. Low point, 4½ inches; high point, 15½ inches—eleven inch raise; length of jack, 4 ft.; length of handle, 44 inches; overall length of jack and handle, 7½ ft. Wt each, 133 lbs. .....Each **$50 00**

FOR TRUCKS. CAPACITY, 7 TONS.

No. 70. Built on the same proven principle as No. 50, but is heavier and larger throughout. The pump is bigger and the frame move massive, while every part has been reinforced to give the added strength a jack of this capacity requires. Low point, 7 inches; high point, 17 inches; length of jack, 52 inches; length of handle, 44 inches; length overall 8 ft.; capacity, 7 tons. Wt. each, 235 lbs...Each **$100 00**

HOLMES CANTILEVER.

Capacity, 5000 Lbs.

Combines the well-known and efficient cantilever principle with specially designed lifting rockers mounted on roller bearings, permitting an extremely high and an extremely low position with maximum efficiency and rigidity; reversing just as simple as the raising; handle is pushed down to raise and pulled up to lower; no pawls or levers to operate while raising or lowering, yet an eight-inch or a whole stroke of handle can be taken. The weight of car is not transmitted to handle when lowering; maximum load can be easily lowered with one hand; can adjust load to 1/100 part of an inch; will go under the axle of any car with flat balloons; starts at 6 inches from the ground; platform post is adjustable in ¾ in. steps to 9 inches; this adjustment plus lever lift of 8 inches gives a total height of 17 inches; operating lever locked by slight push on small button mounted in handle. The large wheels and lifting rocking roller are mounted on roller bearings. Frame members, solid steel from end to end ⅜x2¾ in.; lift, full 8 in.; minimum height, 6 in.; maximum height, 17 in.; post adjustment, 3 in.; clearance under frame, 1¼ in.; diameter of wheels, 6 in.; length with operating lever extended, 7 ft.; length with operating lever folded, 4 ft.; length of operating lever, 3 ft. 6 in.; overall width at rear wheels, 14 in.

Holmes Cantilever. Capacity, 5000 lbs.; steel wheels. Wt., 131 lbs. Ea. **$38 00**

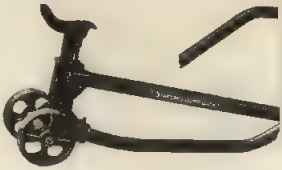
BARREL TRUCKS.

Front casting has two deep grooves in which the chime of steel or wooden barrel fits snugly; front groove is for 50, 55 or 60 gallon drums; second groove is for 15, 30 or 35 gallon size. Slide the barrel over back of frame, setting chime in grooves on front casting, tighten up two rear clamps and you have a real solid unit. Tested for 1000 lbs.; handle is well made; wheels are large and broad.

Handy Ben. Wt., 30 lbs....Each **$8 50**

JACKS.

GARAGE.



Quick Lift.

Wheels and rack bar made of malleable iron; the top lifting cap is so designed that it can be placed under axles with truss rods.

No. 60. Wheels, 5 inches diameter; bar rack lowered, 10½ inches; bar rack extended, 17 inches; width overall, 9½ inches. Wt., 34 lbs...Each **$10 00**

AUTO JACKS.

3-Ton Truck.

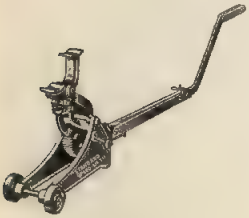
Malleable.

Designed particularly for use with the smaller type of truck. Simple of construction of large capacity, and very easy to operate, self-locking at any point. Quickly adjusted, has extension handle.

No. 34. Capacity, 6000 lbs.; height, lowered, 10¼ inches, raised, 16 inches; diameter screw, 1 inch. Wt. each, 8½ lbs. .....Each **$3 20**

JACKS.

GARAGE.

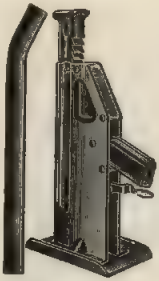


SPEED LIFT.

For tire stations and garages. Short stroke handle; wide range of lift; especially suitable for unloading automobiles; short stroke handle for the lowest and deepest overhung cars with tire carriers and bumpers.

No. 61. Low lift from 3⅛ to 17 inches. Wt. each, 60 lbs..Each **$17 50**

AUTO JACKS.



All Steel.

No. 202. Sturdy, neat and light. Capacity, one ton; lifting range 8⅛ to 14½ inches; handles of round edge planished steel; finished in black enamel. Wt. each, without handle, 3 lbs. .....Each **$1 50**

5-Ton Truck.

Malleable.

Absolutely the most durable jack made for a five ton truck.

No. 38. Capacity, 5 tons; height, lowered, 11 inches; raised, 16 inches; diameter screw, 1¾ inches. Wt. each, 12 lbs. .....Each **$4 70**

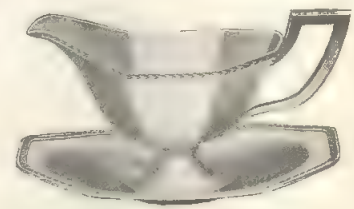
THE "CHATHAM" PATTERN—PLAIN

H5658. Six pieces, butler gray finish $122.20
H5659. Coffee. Height 9¾ inches 24.00
H5660. Tea. Height, 8¼ inches 23.00

H5661. Sugar. Height 5¾ inches $14.50
H5662. Cream, gold lined. Height 4½ inches 13.50
H5663. Waste, gold lined. Height, 3⅝ inches 8.50
H5664. Waiter 19¼ inch, butler gray finish 37.20

Quality Silver Plate

H5665. "Chatham" Sauce Boat 8 ounces. Butler gray finish $16.70



H5666. "Chatham" Well and Tree Meat Platter. Butler gray finish, 18 inch $26.00

H5667. "Chatham" Double Vegetable Dish. Butler gray finish. Length, 13½ inches $26.00

Homan Plate on Nickel Silver

THE "MURILLO" PATTERN

Quality Silver Plate

"Murillo" Candlestick
Butler gray finish.
Height, 10⅝ inches.
H5668. Each.. . $13.00

"Murillo" Coffee Set

H5669.	Four pieces, butler gray finish..		$50.40
H5670.	Coffee. Height, 11⅝ inches		24.30
H5671.	Sugar, gold lined. Height 4⅝ inches	..	9.50
H5672.	Cream, gold lined. Height, 4¾ inches		10.40
H5673.	Tray. Length, 15 inches.....	.	15.20

"Murillo" Candlestick
Butler gray finish.
Height, 10⅝ inches
H5668. Each $13.00

"Murillo" Tea Set

H5675.	Six pieces, butler gray finish.....	. ..	$134.70
H5676.	Coffee. Height, 10⅝ inches	....	26.20
H5677.	Tea. Height, 9⅝ inches...	.	25.20
H5678	Sugar Height, 7¾ inches	. .	16.10
H5679.	Cream, gold lined. Height, 5¾ inches		13.00
H5680.	Waste, gold lined Height, 4⅝ inches	..	9.50
H5681.	Waiter, 22-inch, butler gray finish		44.10

High Grade Heavy Silver Plated Water Pitchers

No. H6330—Water Pitcher. Colonial design fancy applied border hand hammered hexagon shape, quadruple silver plated on 18 per cent nickel silver base capacity, 4 pints. Price, each **$10.10**

No. H6332—Same as above, but [illegible] French gray finish [illegible] each **$7.45**

No. H6343—Water Pitcher. French gray finish, hammered and embossed design, quadruple silver plated on hard white nickel silver base, 4 pints. Each **$11.45**

No. H6341—Water Pitcher. Quadruple silver plated on hard white nickel base. French gray finish, embossed flower design border or border as above. **$10.45**

No. H6348—Water Pitcher. Quadruple silver plated on hard white nickel base, French gray finish, embossed flower design border, capacity, 4 pints. Each **$11.10**

No. H6324—Water Pitcher. Quadruple silver plated on 18 per cent nickel silver base, fancy stitched and Dutch silver applied border, six fancy hand hammered Colonial design panels, 4 pints, 10 inches high, cane [illegible] 5 pints. Price, each **$13.00**

No. H6345—Water Pitcher. French gray finish, hammered and embossed design and border, quadruple silver plated on hard white nickel silver base, 4 pints. Each **$11.70**

HIGH GRADE ROMAN QUALITY SILVER PLATED WATER PITCHERS

Heavily Silver Plated on Fine Hard White Nickel Silver

No. H60097—Water Pitcher. Fine Octagon Colonial Design, Butler Finish, Capacity, 4 pints, Height, 10¼ inches. Each **$23.00**

No. H60096—Water Pitcher. Fine Octagon Colonial shape, fancy hand hammered design, Butler Finish, Capacity 4 pints, Height 10¼ inches. Each **$23.00**

No. H60098—Water Pitcher. Octagon Old Engl[illegible] Style hand hammered design, Butler finish, capacity 4 pint, height 9¾ inches. Each **$21.70**

Homan Quality Silver Plated Tea Sets, Sugars and Creams

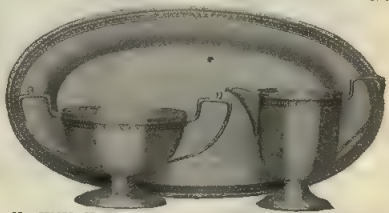
No. H3692—Homan Quality Tea Set, four pieces, butler gray finish. Per set $32.00
Coffee, height 9⅛ inches. Each 11.40
Sugar, gold lined, height 4 inches. Each. 5.70
Creamer, gold lined, height 4⅛ inches. Each. 5.70
No. H3035—Oval Tray, satin center, length 14 inches. Each 9.20

No. H0653—Homan Quality Sugar and Cream Set, hammered butler finish, gold lined. Per set $10.00
Sugar, height 3½ inches. Each. 5.00
Creamer, height 4⅛ inches. Each 5.00

No. H0654—Homan Quality Sugar and Cream Set, butler finish, gold lined. Per set. $10.00
Sugar, height 3½ inches. Each. 5.00
Creamer, height 4¼ inches. Each. 5.00

No. H3693—Homan Quality Tea Set, four pieces, hammered, butler gray finish. Per set $34.40
Coffee, height 8⅝ inches. Each 12.00
Sugar, height 5½ inches. Each. 6.60
Creamer, gold lined, 4¼ inches. Each 6.50
Oval Tray, length 14 inches. Each 9.20

No. H0674—Homan Quality Sugar and Cream Set, three pieces, hammered, butler gray finish. Per set $16.80
Sugar, gold lined, height 3¼ inches. Each. 6.00
Creamer, gold lined, height 4 inches. Each. 6.00
Tray, length 11 inches. Each 4.80



No. H0675—Homan Quality Sugar and Cream Set, three pieces, butler gray finish. Per set $16.80
Sugar, gold lined, height 3¼ inches. Each 6.00
Creamer, gold lined, height 4 inches. Each. 6.00
Tray, length 11 inches. Each 4.80

Homan Plate Tea Ware—The Finest Made

Highest grade silver plated Hollow-ware. Homan quality silver plated on fine white hard nickel silver.

No. H60068-60073. Six-piece Tea Set. Coffee Pot, Tea Pot, Sugar bowl, Cream Pitcher, Waste Bowl and Waiter, as illustrated. Per set $122.65

Prices of Separate Pieces

No. H60068.	Coffee Pot. Height 10¼ inches. Each	$23.30
No. H60069.	Tea Pot. Height, 5¾ inches. Each	23.85
No. H60070.	Sugar Bowl. Height 7½ inches. Each	14.40
No. H60071.	Cream Pitcher. Gold lined. Height 5¾ inches. Each	12.90
No. H60072.	Waste Bowl. Gold lined. Height 4 inches. Each	8.80
No. H60073.	Waiter. 9 inches. Each	10.30

Octagon Colonial Style Platinum (Butler) Finish

Homan Quality Silver Plate on Fine White Hard Britannia Metal

Fluted Colonial Design. Fancy Engraved Shield. Platinum (Butler) Finish

No. H60074-60078. Five-piece Tea Set. Coffee Pot, Tea Pot, Sugar Bowl, Cream Pitcher and Spoon Holder as illustrated. Per set $61.05

Prices of Separate Pieces

No. H60074.	Coffee Pot. Height, 10¼ inches. Each	
No. H60075.	Tea Pot. Height 5¾ inches. Each	$16.55
No. H60076.	Sugar Bowl. Height 6 inches. Each	15.95
No. H60077.	Cream Pitcher. Gold lined. Height 5½ inches. Each	10.40
No. H60078.	Spoon Holder. Gold lined. Height 5¾ inches. Each	8.75
		9.30

Homan Plate A. D. Coffee Sets, Sugar and Cream Sets

The Latest Popular Shapes and Designs. Homan's Highest Quality Silver Plated on Fine Hard White Nickel Silver

Jefferson pattern, A. D. Coffee Set Fancy Colonial style. Rich hand hammered design. Butler finish

No. H60079—Four piece Coffee Set. Coffee Pot, Sugar Bowl, Cream Pitcher and Waiter, as illustrated. Per set $57.15

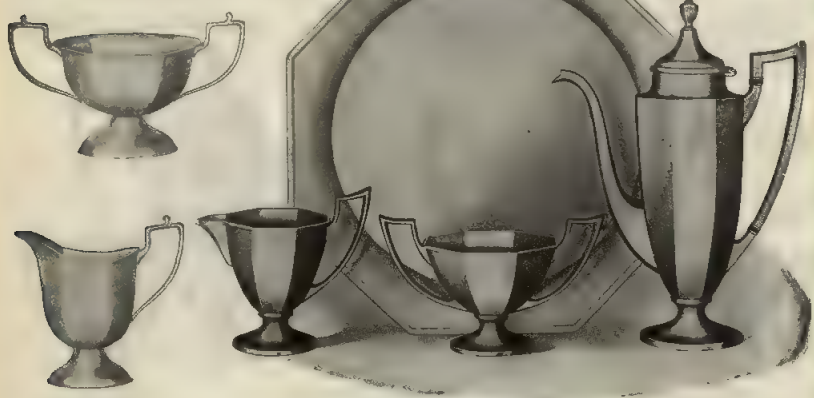
Prices of Separate Pieces:

No. H60079—	A. D. Coffee Pot. Height 10¾ inches.	Each $22.40
No. H60080—	Sugar Bowl, Gold Lined.	Height, 4 inches. Each 10.90
No. H60081	Cream Pitcher, Gold Lined.	Height 4¾ inches. Each 10.90
No. H60082—	Waiter.	Diameter, 12 inches. Each 12.95

Sugar and Cream Set

No. H60083 81 piece set $9.20

Fancy Colonial design. Butler finish. Gold lined. Height of sugar bowl ... inches. Height of cream pitcher, 4¼ inches.



Sugar and Cream Set

No. H60057 Per set $10.00

Plain Colonial design. Butler finish. Homan quality plate on fine hard white nickel silver. Gold lined. Height of sugar bowl 3¾ inches. Height of cream pitcher, 4¼ inches.

Colonial Style A. D. Coffee Set, Plain Octagon Colonial Design, Butler Finish

No. H60086-60089—Four piece A. D. Coffee Set. Coffee Pot, Sugar Bowl, Cream Pitcher and Waiter, as illustrated. Per set $33.95

Prices of Separate Pieces:

No. H60086—	A. D. Coffee Pot. Height 10⅝ inches.	Each $21.80
No. H60087—	Sugar Bowl. Gold lined. Height 4¾ inches.	Each 9.50
No. H60088—	Cream Pitcher. Gold lined. Height 4¾ inches.	Each 9.20
No. H60089—	Waiter.	Diameter, 12 inches. Each 12.95

GAMES

CROWN

Ebony finish, black with white enamel spots, 28 pieces. Crown design embossed on back. Rules for various domino games included. Per Doz

No. 43 Length 2 ins; width 1 in; ¾ in. thick **$12 00**

One doz boxes in cardboard box; wt per doz 10¼ lbs.

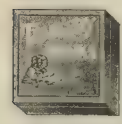
TIDDLEDY WINKS

Fine quality horn, three small winks and one large snapper, red, black and yellow colors. Complete with wooden cup and rules for playing.

Per Doz

No. 37—Size of box 3¾x5½ ins..... **$2 40**

Half doz in paper pkg; wt per doz 2 lbs.



TIDDLEDY WINKS

Fine quality horn, four small winks and one large snapper, red, black, green and yellow colors. Complete with a thick glass cup and rules for playing.

Per Doz

No. 41—Size of box 5½x5½ ins... **$6 00**

One doz in in paper pkg; wt per doz 4 lbs.

AUTHORS

A very interesting and attractive game. The cards include the names of famous authors with a series of their well known works. Complete with rules for playing. Per Doz

No. 170—Size box 8½x6½ ins **$6 00**

One doz in paper pkg; wt per doz 4 lbs.

SNAP

An enjoyable and amusing game for evening parties. The cards are of various attractive colors. Complete with rules for playing.

Per Doz

No. 171—Size of box 8½x6½ ins..... **$6 00**

One doz in paper pkg; wt per doz 4 lbs.

PARKER BROS (Inc.)

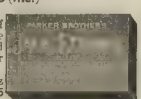
JACK STRAWS

An attractive large assortment of jack straws. A very pleasing game that makes fun for either young or old people. Complete with rules for playing.

Per Doz

No. 175—Size box 8½x6½ ins **$ 6 45**

One doz in paper pkg; wt per doz 8 lbs.



OLD MAID

Per Doz

No. 174—Good quality cards in bright colors; size box 8½x6½ ins; wt per doz 4 lbs..... **$6 45**

No. 365—Good quality cards in bright colors; size box 7½x5¾ ins; with title in gold leaf on bright blue paper, wt per doz 5 lbs..... **12 75**

Half-doz in paper pkg.

GAMES

RUMMY

Enameled round-cornered cards and booklet explaining rummy and a dozen other games.

Per Doz

No. 21—Size box 5½x3¾ ins..... **$12 75**

Half-doz in paper pkg; wt per doz 3½ lbs.

ROOK

Enameled round cornered cards. With rook cards are played besides the famous game of rook, the games of Dixie Rook, Rook for Two, Tuxedo, and several other delightful and original games. Complete with rules for playing.

Per Doz

No. 17—Size box 5¼x3¾ ins..... **$18 00**

Half-doz in paper pkg; wt per doz 4½ lbs.

PIT

Enameled round cornered cards. Pure fun making game for laughter, excitement and a general good time. Complete with rules for playing.

Per Doz

No. 19—Size box 5¼x3¾ ins..... **$18 00**

Half-doz in paper pkg; wt per doz 4 lbs.

POLLYANNA

Heavy cardboard, illustrated in attractive colors with pictures of Pollyanna characters. Equipped with four dice and special spinning indicators for those preferring to play the game without dice. Complete with rules for playing.

Per Doz

No. 103—Size of card 19x19 ins; size of box 3¼x6¾ ins **$28 50**

Half-doz in paper pkg; boards and boxes wrapped separately; wt per doz 17 lbs.

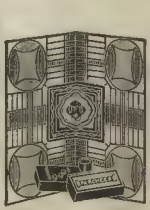
PARCHEESI

Heavy cardboard, illustrated in attractive colors. Board and box covered with embossed black paper in fancy pattern. Folds in center with double cloth hinges. Complete with four bone dice, sixteen brass bound counters, four black paper covered dice cups and directions for playing.

Per Doz

No. 11—Size of card 18½x 18½ ins; size of box 3½x 6½ ins..... **$27 75**

One doz in paper pkg; boards and boxes wrapped separately; wt per doz 14½ lbs.



GAMES

RAINY DAY GOLF

Consists of a 22x13½ inch board on which is printed in four bright colors, a birdseye view of a golf course, fairways, greens, traps and country club. Complete with celluloid dice, golf bag design dice cup score card, rules and regulations for playing.

Per Doz

No. 12 Wt per doz 10 lbs . . $25 50

Half doz in pkg.

AUTO RACE

Cardboard, reinforced back, lithographed in five attractive colors, illustrating a racing course.

Furnished with six autos, bearing names of popular makes of cars, a large cup and cubes with letters corresponding to names of cars. Players progress their autos over racing course by rolling the cubes. Instructions printed on lid.

Per Doz

No. M50—Size of card 17x17½ ins $25 50

One doz in pkg; wt per doz 13 lbs.

JUNIOR AUTO RACE

Cardboard playing board lithographed in five attractive colors representing a race track, with four differently colored tracks bearing names of popular makes of cars and four racing autos. Played by means of a spinner and connecting similar colors. Instructions printed on lid.

Per Doz

No. 2—Size of card 11½x11½ ins $12 75

One-twelfth doz in cardboard box; wt per doz 9 lbs.

HOME TEAM BASEBALL GAME

Cardboard playing board illustrating a ball diamond, representing an umpire and two spinners for counting and making scores, outs, etc. The b a l l is hit, the fielder makes a play. Every known play is covered and governed by rules of organized baseball, bases can be stolen, errors made as in a regular game. From 2 to 18 players can participate. Complete with instructions for playing.

Per Doz

No. M10—Size playing board 12¾x18½ ins $12 75

Quarter doz in pkg; wt per doz 15 lbs.

GAMES

TOON-IN RADIO GAME

Heavy cardboard, with reinforced back, handsomely lithographed in six attractive colors, illustrating the various popular radio broadcasting stations.

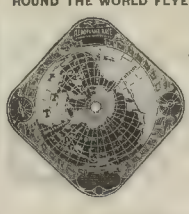
Furnished with six loud speakers bearing names of popular radio sets, a large cup and cubes with letters corresponding to names of radio sets. Players progress from one station to the next by rolling the cubes. Complete with instructions printed on lid.

Per Doz

No. M60—Size of card 17x17½ ins $25 50

One doz in pkg; wt per doz 12 lbs.

ROUND THE WORLD FLYERS AEROPLANE RACE



Metal board, finished in attractive colors, with checker board on reverse side. Played by moving miniature aeroplanes over exact course of Army Aviators in first globe circling flight, every stoping place being marked on map, various hazards introduce excitement.

Per Doz

No. 30—Size of board 16¼x16¼ ins $25 50

One twelfth doz in cardboard box; wt per doz 18 lbs.

JUNIOR MOTOR RACE

Consists of lithographed metal board showing race course and club house on one side and checker board on reverse side, 4 minature metal automobiles 1 inch in length and 2 spining dials. Rules and regulations for playing game printed on board.

Per Doz

No. 37—Board 11x11 ins $13 50

One doz in carton; wt per doz 20 lbs.

SPELLING BOARDS

Persian orange, white and black finish. Designed with beautiful art work, the eight border pictures represent lullabies.

Per Doz

No. 6—Size 10½x8¾ ins . $13 50

One in cardboard box; wt per doz 11 lbs.

Price List

THE NEW MULTICOLOR MECCANO

No. G5756 (No. 3 Outfit)—More advanced engineering parts are contained in this set. Builds 311 models.
Each **$12.00**

The $10.00 Leader

No. G5757—(No. 3x Outfit) A magnificent outfit packed in a strong well finished wooden box. Contains a splendid assortment of parts and powerful electric motor Each **$13.32**

No. G5758—(No. 4 Outfit)—A substantial outfit comprising a greater quantity of fine engineering parts, also an electric motor . Each **$20.00**

No. G5759—(No. 5 Outfit)—A beautiful presentation outfit packed in a handsome wooden cabinet. Complete with motor and transformer Each **$33.32**

No. G5760 (No. 6 Outfit) Outfit de Luxe. This outfit contains a wonderful range of parts with which practically any movement known to mechanics can be duplicated. Motor and transformer included with instructions for building 455 models Each **$60.00**

The splendid $10.00 leader in handsome wood box.

Meccano Accessory Outfits

These contain all the necessary parts to convert an outfit into the next larger size. The repeat feature is exclusive with Meccano, it spells extra profit for the dealer—two or more sales at the cost of one

No. G5761 (No 0a Outfit) Each **$1.66**
No. G5762 (No 1a Outfit) Each **4.00**
No. G5763 (No 2a Outfit) Each **4.00**
No. G5717 (No 3a Outfit) Each **8.00**
No. G5718 (No 4a Outfit) Each **10.00**
No. G5719 (No 5a Outfit) Each **26.66**

Meccano Electric Motors

No. G5720—(No. E-1 Motor)—A powerful motor designed to be built right into the models For 6-8 volts; can be operated by dry cells or transformer. One-way, with pulley and pinion . . . . . Each **$4.66**

No. G5721—(No F-2 Motor) The same as the E-1, but has reverse mechanism . . . Each **$6.00**

Meccano Transformer

No. G5722—(Meccano Transformer)—For operating electric motors direct from house current. For 110 volts 60 cycles A C only. . . . Each **$3.34**

HORNBY MECHANICAL TRAINS

With the introduction of Hornby Trains commences a new era in mechanical trains. Distinctive in design and perfect in workmanship, Hornby Trains possess those qualities for which both dealers and public have waited so long. They represent the most advanced type of train and have locomotives of pressed steel instead of cast iron. These are beautifully lithographed in colors like the new colored locomotives on the B. & O. and Great Western Railroads. The spring motor that operates them is the most efficient ever produced, powerful and speedy, and it has accurately cut gears that ensure smooth running. Hornby Trains will put new life into your mechanical train business and it will not be long before any goods of lower standard than the Hornby Trains will be unacceptable.

No. N74045—(Set No. 1) Consists of locomotive, tender and two cars, all beautifully lithographed in colors, with ten sections of track (2 straights and 8 curves) and the necessary track connections. Colors: Locomotive, red and black with gold trimming. Cars, green and gold, as illustrated. Packed in an attractive carton with beautifully lithographed label.
Each **$5.00**

No. N74045—(Set No. 2)
Contents are the same as Set No. 1, but differently colored. Colors: Locomotive, green and black with gold trimmings. Cars, yellow and black.
Each **$5.00**

Feature Hornby Trains in Your Store and Watch Your Sales Grow!

The New

MULTICOLOR MECCANO

Windmill

The Pioneer 25 Years Ago
The Leader Today

The introduction of colored parts last year proved to be a most popular move, and sales increased very substantially. Dealer after dealer reported sold out entirely and the only limit to sales was the available stock.

This year further attractive features have been added. New parts have been introduced, the presentation of the sets has been improved and a special feature has been made of the popular $1.00 commencing outfit. This outfit is now much larger, shows special value and will make many new customers. Outfits No. 3x and upwards are packed in handsome wooden boxes well finished.

This will be a Meccano Year!

Price List

The Big Dollar Number

No. G5750 (No 00 Outfit) A splendid commencing outfit of unusual value, contains all parts and illustrated manual showing 131 selected models. *without* re*eloding numerals or alphabet* Each $1.34

No G5751 (No. 0 Outfit)—A larger outfit with book of instructions for building 174 models Each $2.66

No. G5752—(No. 1 Outfit) –Contains perforated plates enameled red, in addition to a fine selection of parts and book of instructions showing 210 models that can be made with it . Each $4.00

The Outfit With Motor

No. G3753 No. 1x Outfit)—The set that includes the Meccano patented motor. A very popular number complete with book of instructions showing 210 selected models . Each $6.66

No. G3754 (No. 2 Outfit)—Larger models may be built with this set. It contains flanged wheels for cars, sturdy angle girders, etc. ..... Each $8.40

No. G3725 (No. 2x Outfit)—Has all the contents of the No 2 with the powerful patented reversing electric motor. Each $10.00

(*Continued on next page*)

The $5.00 leader with Motor

MULE BITS

Malleable iron, 1 inch line loops, 5½ inch cheeks, 4½ inch mouth with 1 inch port.

Per Doz
No. 602—Japanned $6 75
Half doz in box; wt per doz 6 lbs.

Wrought iron, ¾ inch line loops, 6½ inch cheeks, 5 inch mouth with ⅞ inch low port.

Per Doz
No. 725—Japanned $13 50
Half doz in box; wt per doz 11 lbs.

SPURS

Malleable iron; XC plate (tinned); ⅝ in. rowel; length over all 4⅝ ins; will take No. 1 strap.

Per Single Doz
No. 00—Without strap $4 50
No. 00$—With strap 6 15
One doz in box; wt per doz 1¼ lbs.

Spring steel; ⅝ inch steel rowel; length over all 4½ inches; will take No. 1 strap.

Per Single Doz
No. 1001—Without strap $4 05
No. 1001$—With strap 5 55
One doz in box; wt per doz 1¼ lbs.

Spring steel; XC plate (tinned); ⅝ in. rowel; length over all 4½ ins.; will take No. 1 strap.

Per Single Doz
No. 1002—Without strap $4 05
No. 1002$—With strap 5 55
One doz in box; wt per doz 1¼ lbs.

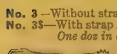
Wrought steel; XC plate (tinned); ¾ in. steel rowel; length over all 4½ inches; will take No. 1 strap.

Per Single Doz
No. 98—Without strap $4 05
No. 98$—With strap 5 55
Half doz in cardboard box; wt per doz 1¼ lbs.

IMPROVED EUREKA

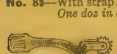
One piece stamped spring steel body and shank; nickel plated; 1¼ in. malleable rowel length over all 4¾ ins.; will take No. 3 strap.

Per Single Doz
No. 3—Without strap $16 50
No. 3$—With strap 21 00
One doz in cardboard box; wt per doz 3¾ lbs.



Solid brass; burnished; ⅝ inch steel rowel; length over all 4 ins.; will take No. 1 strap.

Per Single Doz
No. 8—Without strap $13 20
No. 8$—With strap 14 25
One doz in cardboard box; wt per doz 1½ lbs.



Solid brass; burnished; ¾ inch steel rowel; length over all 4½ ins.; will take No. 1 strap.

Per Single Doz
No. 10—Without strap $15 00
No. 10$—With strap 17 25
Half doz in cardboard box; wt per doz 2¼ lbs.

SPURS

Malleable iron; XC plate (tinned); ⅝ in. steel rowel; length over all 4 ins; will take No. 1 strap.

Per Single Doz
No. 1—Without strap $4 50
No. 1$—With strap 6 15
Half doz in cardboard box; wt per doz 1½ lbs.

Spring steel; nickel plated ⅝ inch steel rowel; length over all 4½ inches; takes No. 1 strap.

Per Single Doz
No. 38—Without strap $14 25
No. 38$—With strap 15 75
One doz in cardboard box; wt per doz 1½ lbs.

Spring steel, long shank; nickel plated; ⅝ inch steel rowel; length over all 5½ inches; takes No. 4 strap.

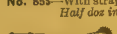
Per Single Doz
No. 67—Without strap $21 00
No. 67$—With strap 21 00
One doz in cardboard box; wt per doz 1½ lbs.

O. K., TEXAS

Malleable iron; blued; 1¼ inch steel rowel; length over all 4¾ inches; will take No. 6 strap.

Per Single Doz
No. 85—Without strap $18 75
No. 85$—With strap 22 50
Half doz in cardboard box; wt per doz 1¼ lbs.

TEXAS



Forged steel; blued; 1¼ inch steel rowel; length over all 6½ inches; will take No. 6 strap.

Per Single Doz
No. 1276—Without strap $18 75
No. 1276$—With strap 22 50
One doz in cardboard box; wt per doz 3¾ lbs.

SPUR STRAPS

ENGLISH

Per Doz
No. 1—Harness leather; ⅛ in. wide; 16 ins. long; with nickel bar; buckle riveted on $1 65
Packed loose; wt per doz ½ lb.

TEXAS

Per Doz Sets
No. 2—Harness leather; two straps in a set, one only ⅛x9 ins and one only 1x12 ins $2 10
Packed loose; wt per doz ¾ lb.

EUREKA

Per Single Doz
No. 3—Harness leather; ⅛ in. japanned bar buckle, riveted on Fits No. 3 spur $4 05
No. 6—Harness leather; ⅛ in. japanned buckle, riveted on Fits Nos. 85 and 1276 spurs 3 90
Packed loose; wt per doz 1½ lbs.

KNOB AND BUCKLE

Per Doz Sets
No. 4—Hemlock strap leather; two straps in a set; one only ⅛x10 ins; and one only ¾x8 ins $1 95
Packed loose; wt per doz ½ lb.

TEXAS

Per Single Doz
No. 5—Harness leather; 1 in. wide; 12 ins. long $0 90
Packed loose; wt per doz about ½ lb.

SNAPS

BAG
ALUMINUM STEEL SPRING
Malleable iron, with aluminized rust proof steel spring. Size loop, ⅜ inch.

	Per Gro
No. 220—Imitation rubber finish	$10 50
No. 320 -Nickel plated finish	11 70

Half gro in cardboard box; wt per gro 10 lbs.

FOR DOG LEADS
Malleable iron, nickel plated; swivel snap with loop; steel spring.

	Per Gross
No. 29—Diam eye ½ in	$27 00

One gro in box; wt per gro 10 lbs.

HARNESS SNAPS

Malleable iron, strong bolts and springs.

LOOP EYE, TROJAN BOLT
Imitation Rubber.
(Factory Style No. 20)

Nos.	2105	2106	2107	2108
Loop, in	⅝	¾	⅞	1
Gro in box	1	½	½	½
Wt per gro, lbs.	10	13	14	18
Per Gro	$19 50	19 50	19 50	19 50

Nos.	2109	2110	2112	2114	2116
Loop, ins	1⅛	1¼	1½	1¾	2
Gro in box	¼	¼	¼	¼	¼
Wt per gro, lbs.	16	18	25	27	30
Per Gro	$26 25	30 75	34 50	39 00	44 25

Half gro in cardboard box.

ALUMINUM FLAT STEEL SPRING
Imitation Rubber.
(Factory Style No. 70)

Nos.	1405	1406	1407	1408
Loop, ins	⅝	¾	⅞	1
Wt per gro, lbs	12	12½	18	18
Per Gro	$18 75	18 75	18 75	18 75

Half gro in box.

Nos.	1409	1410	1412
Loop, ins	1⅛	1¼	1½
Wt per gro, lbs.	14	23	25
Per Gro	$24 00	28 50	31 50

Quarter gro in box.

OPEN EYE
Giant. Imitation Rubber.

	Per Doz
No. 5—½ in. eye; wt per doz 6 lbs	$10 50

Two doz in box.

ROUND EYE, BOLT
Imitation Rubber.
(Factory Style No. 19)

Nos.	1904	1905	1906	1908
Eye, ins	¼	⅜	½	1
Wt per gro, lbs	14	15	16	18
Per Gro	$23 10	24 00	24 75	33 75

Half gro in box.

HARNESS SNAPS

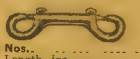
SWIVEL EYE, BOLT
Imitation Rubber.
(Factory Style No. 50)

Nos.	50	40	30
Eye, in	⅝	¾	1
Wt per gro, lbs	17	18	19
Per Gro	$37 50	42 75	81 00

Half gro in box.

OPEN EYE
Imitation Rubber.

Nos.	Bit	Chain	Trace
Eye, in	44	46	48
	⅝	⅝	⅝
Length, ins	3¼	3⅜	4
Gro in box	½	½	¼
Wt per gro, lbs	14	16	23
Per Gro	$24 75	28 25	44 25



DOUBLE EYE
Imitation Rubber.

Nos.	510	511	512
Length, ins	2⅝	3⅛	4½
Wt per gro, lbs	14	19	33
Per Gro	$42 75	51 00	63 75

Half gro in box.

TRIGGER
Imitation Rubber.

Nos.	1206	1207	1208
Loop, ins	¾	⅞	1
Wt gro, lbs	17	18	19
Per Gro	$26 25	26 25	26 25

Half gro in box.

Imitation Rubber.

	Per Gro
No. 745—Bit Snaps; length 2¼ ins; wt per gro 10 lbs	$17 25
No. 136—Breeching Snaps; length 3¼ ins; wt per gro 15 lbs	21 00

No. 745 one gro, No. 136 half gro in box.

CHOKE STRAP
Imitation Rubber.

	Per Single Doz
No. 447 -Malleable iron, with screw and roller, for 1½ in. strap	$4 50

One doz in box; wt per doz 4 lbs.

DOUBLE END, BREAST CHAIN
Imitation Rubber, Brass Lever Spring.

Nos.	Medium 854	Heavy 855	Extra Heavy 856
Length over all, ins	33	51¼	51¼
Wt per gro, lbs	40	50	61
Per Gro	$40 50	52 50	58 50

Quarter gro in box.

LOOP, BREAST CHAIN
Imitation Rubber.

	Per Single Doz
No. 224—Rigid loop to cover breast chain, brass lever spring; pressed steel spring; wt per doz 9 lbs	$9 00

One doz in cardboard box.

The most wonderful Lifelike reproduction of an infant ever offered.

"BABY DIMPLES"

The New Horsman Baby

Her dimpled and sunny, smiling face is sure to win the hearts of the kiddies of America.

Of course, she is made in all sizes and dressed in the usual dainty clothes of Horsman Quality and Design.

E. I. HORSMAN CO., INC.

900 BROADWAY NEW YORK

You can help make it a better magazine by mentioning PLAYTHINGS

FIFTY-FIVE YEARS of TOY MAKING

SCHOENHUT TOYS

Made in the U. S. A.

Toys with Exceptional Educational Possibilities

SCHOENHUT'S TOY PIANOS, LEADER ON THE MARKET FOR 55 YEARS

This is the Fifty-fifth year for SCHOENHUT'S Toy Pianos. For the genuine "Schoenhut" Toy Piano, look for the name "SCHOENHUT" on the front of each Toy Piano.

NOTICE

Schoenhut's complete line of Toys are on display the ENTIRE year at:

A. S. Ferguson Co., 215 Fourth Avenue, New York

Geo. Borgfeldt & Co., 16th Street and Irving Place, New York

Strobel-Wilken Co., Inc., 33-37 East 17th Street, New York

and at Our Own Show Room at the Factory
E. Hagert & Sepviva Streets, Philadelphia, Pa.

OUR LINE

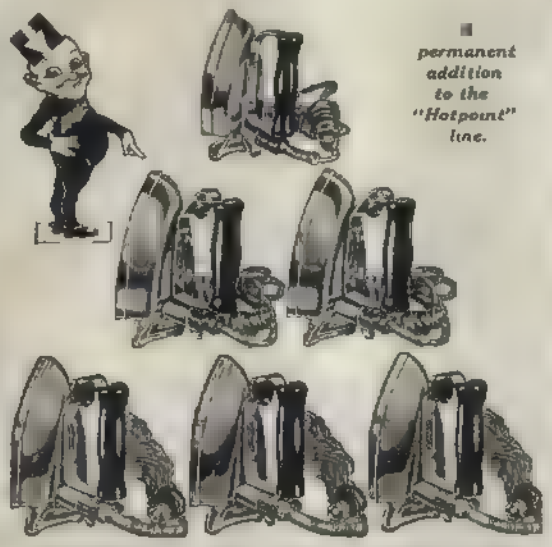
Toy Pianos
Toy Piano Players
Toy Piano Stools
Jazz Orchestra Bells
Trinity Chimes
Metallophones
Xylophones
Toy Ukuleles
Ukulele-Banjos
Wooden Construction Toys
Auto-Build "5-1"
Train-to-Build
Build-A-Village
Bird House Builder
Little Tot's Building Blocks
Alphies—A. B. C. Blocks
Roller Chimes
Stick Horses
Anchor Quoits
Big Game Hunter
Shooting Galleries
Submarine Game
Wooden Pistol Set
Rolly-Dolly Toys
Wooden Sail Boats
Kitchen Cabinets
Doll Houses
Doll House Bungalows
Bassinets
Humpty-Dumpty Circus Toys
Walking Wallapus
All-Wood Dolls
Basswood Elastic Jointed Dolls
Stuffed Dolls—Mama Voices
Toy Swords
Police and Fireman Equipments
Vocophones
Black Cat Jazz Band
"Hill" Miniature Floor Blocks

THE A. SCHOENHUT COMPANY

SOLE MANUFACTURERS **Established 1872** **PHILADELPHIA, PENNA., U. S. A.**

A New Standard Package of
"HOTPOINT" IRONS

Six of the fastest selling "Hotpoint" Domestic Irons in a new assortment. It gives you full standard package profits on a small stock.



A permanent addition to the "Hotpoint" line.

Six of the celebrated "Hotpoint" irons built into a standard assortment package as follows.

THREE (3) 1H6889 (Mfrs 115F65) 6 lb. Calrod Super irons.
TWO (2) 1H5190 (Mfrs 115F61) 6 lb. Model "R" irons.
ONE (1) 1H6773 (Mfrs 113F22) 3 lb. iron.

1H5214—(Mfrs 123X321).

ASST (6 irons)

$20.69

Hotpoint
ELECTRIC IRONS

August is the month to push "Hotpoint" Irons. From coast to coast, "Hotpoint's" extensive advertising will be pointed toward their famous irons. Take advantage of this valuable publicity. Feature "Hotpoint" Irons in your store and turn this advertising to your profit.

TRAVEL IRON

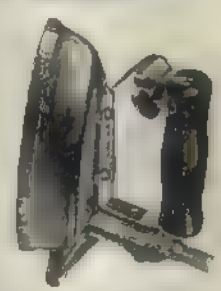
1H5198—(Mfrs 115F91) 3 lbs., nickel plated, nichrome heating element attached stand, each in leatherette case 1 in carton

Each $3.47
6 or more, Each 3.21

MODEL "R" IRON

1H5190—(Mfrs 115F61) Model R, 6 lbs. nickel plated, nichrome heating element, thumb rest, attached stand 1 in carton

Each $3.50
6 or more, Each 3.24
24 or more, Each 3.15



"CALROD" IRON

1H6889—(Mfrs 115F65) 6 lbs., nickel plated, Calrod heating element, cast iron, Flexrod cord with ball joint thumb rest, attached stand 1 in carton

Each $4.20
6 or more, Each 3.89
24 or more, Each 3.78

Link Your Store With "Hotpoint"

The dealer helps shown below have been specially prepared to link your store closer to "Hotpoint's" great national advertising campaign—to let your community know that it is your store that sells the famous "Hotpoint" Irons. And these dealer helps come to you FREE! They are all at your service absolutely without cost! Let "Hotpoint's" advertising be your advertising. Make your selection and mail us your order TODAY!

Folder A656

Folders

The story of the "Hotpoint" Super Iron is told to the folder. Each folder is full of and the dealer's name for the superiority. Have a supply of these folders ready to give to customers who are interested in better irons.

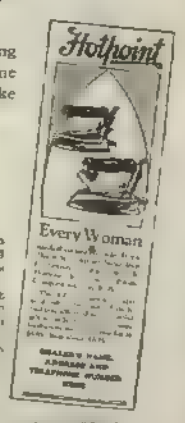
Window Card A6511

Window Cards

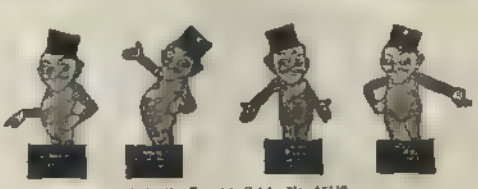
This attractively colored window card stands 23½ in. high and 18½ in. wide. Give it a prominent place in your window or window display. Passers will not only read it but they will want to know more about this wonderful "Hotpoint" Iron.

Newspaper Ads

Here is a suggestion for a newspaper ad that will sell your "Hotpoint" Irons. It is only [illegible] and is large enough to be seen from your [illegible] will be very small. You'll find no better way to sell your [illegible] that is to [illegible] Hotpoint Headquarters.



Price on Ads 3



Order the Complete Set by No. A6512

Complete Set of Red Men

Use these little Red Men in your windows frequently. There are six in the set, each pointing out an exclusive "Hotpoint" feature. They are real attention-getters and will help to put your store closer to "Hotpoint."

ORDER YOUR DEALER HELPS TODAY!

R. H. Hanford, ... 1927
Butler Brothers,
495-497 Broadway, New York

Please send me the following "Hotpoint" Dealer Helps:

..... A656 Folders ..... A6511 Window Cards
..... Sets of Red Men ..... G571-5 Newspaper Ad.

Name .....

Town ..... State .....

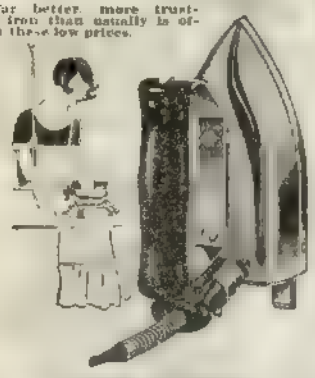
ELECTRICAL GOODS

All of the items in this line are for 110 volt alternating or direct current and are guaranteed one year unless otherwise stated.

Nationally advertised brands that people call for every day, together with specials that are the envy of the wholesale world. When you compare remember our terms—2% 10 days, 1% 30 days, net 60 days.

"BERSTED" 6 LB. IRON

A far better, more trustworthy iron than usually is offered at these low prices.



1H1001— [illegible] Each **$2.10**
6 or more, Each **1.95**

Utility IRONS

Cliff Easy [illegible]
1H8060—1 lb carton
Each **$1.80**
6 or more, Each **1.85**

"Hints" [illegible]
1H8000—1 in carton
Each **$2.25**
6 or more Each **2.10**

Manning-Bowman "Meteor" [illegible]
1H5201 1 in box
Each **$2.35**
6 or more, Each **$2.25**

Bersted "Supreme" [illegible]
1H5215 [illegible]
Each **$2.65**
6 or more Each **2.35**

The New Standard Package of "HOTPOINT" IRONS

Six of the fastest selling irons in a new assortment that gives you standard package profits on a small stock

THREE 1 [illegible] Mfrs 115P56 6 lb Calrod Super irons

TWO [illegible] 1H5199 (Mfrs 115P01) 6 lb Model "B" irons

ONE (1) 1H8773 Mfrs 113P22) 8 lb iron

1H5214— (Mfrs 123X321) ASST (6 irons) **$20.69**

STAR VALUE "Hotpoint" [illegible]
1H5290 Mfrs [illegible]
Each **$3.50**
6 or more Each **3.24**
24 or more Each **3.15**

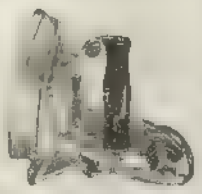
"Hotpoint" [illegible] Calrod heating element, [illegible] and heavy cord with ball joint, thumb rest all [illegible]
1H8880 (Mfrs 113P61) 1 in carton
Each **$4.20**
6 or more Each **3.88**
24 or more Each **3.78**

3 LB TRAVELING IRON

Hotpoint 3 lb [illegible]
1H5198 Mfrs [illegible] 1 in carton
Each **$3.47**
3 or more Each **3.21**

"Universal" [illegible]
1H8266 1 in carton
Each **$3.75**
6 or more Each **3.45**

"American Beauty"— 6 lb [illegible]
1H7269 1 in box
Each **$5.20**
6 or more Each **4.95**



"Hotpoint" 6 lb [illegible] thumb rest [illegible]
1H5201 Mfrs [illegible] 1 in carton
Each **$6.27**
6 or more Each **5.80**

"POLAR CUB" MIXER OR BEATER

A well known, price [illegible] utility mixer and beater that will appeal to housewives. Results [illegible]

1H3540 [illegible]
Each **$3.75**
6 or more Each **3.50**

"ESKIMO" KITCHEN MECHANIC

For mixing beverages, mayonnaise dressings, beating eggs, etc.

1H3546 [illegible] Each **$4.95**
6 or more Each **$4.50**

PERCOLATORS AND PERCOLATOR SETS

PERCOLATORS

"Torrid"—Banded type [illegible]
1H3563—1 lb carton
Each **$2.40**

"Bersted" [illegible] type [illegible] glass top, [illegible] cover, [illegible] handle
1H1316—(Mfrs 1680) 1 in carton
Each **$3.90**

Manning-Bowman "Hom-electric" [illegible]
1H3564 1 in box
Each **$5.00**

Hotpoint "Plymouth" [illegible]
1H8555 1 in box **$6.65**
3 in case, **6.25**

PERCOLATOR SETS

"Bersted" [illegible]
1H10032—1 set in carton
SET 4 pcs **$4.95**
1H1817 Mfrs [illegible] Set only **$3.95**

Hotpoint "Fronton" [illegible]
1H8732 (Mfrs 114842) 1 set box
SET 4 pcs **$13.60**

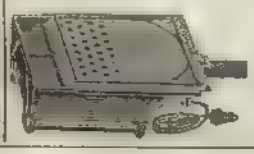
"Hotpoint" 4 pieces [illegible]
1H1032 Mfrs [illegible] 1 set in carton
SET 4 pcs **$11.02**
1H1050 Mfrs [illegible] Set only [illegible] Each **$7.35**

Hotpoint 4 pieces, nickel [illegible] Calrod heating element [illegible] gold lined [illegible]
1H109 Mfrs [illegible] 1 set in carton
SET 4 pcs **$12.35**

Universal" [illegible] 4 piece set [illegible] gold lined [illegible]
1H5008 4 piece set with [illegible] in case
SET 4 pcs **$28.80**
1H4366 Percolator [illegible] Each **$15.75**
1H5058 4 piece set with [illegible] in case
SET 4 pcs **$31.32**
1H5082 [illegible] only Each **$17.43**

CORN POPPER

A new item that is bound to be a winner. Note the reasonable price



1H1207 [illegible] with cord and plug, in box Each **$1.38**

Hubley

Indian Motor Cycle

with side car and cop

There's no argument about it! The New Hubley Indian Motor Cycle toy is a winner! Every child who sees it wants one of these realistic motor cycle cops.

The color combination is striking—red, black and shiny nickel. As the Motor Cycle is pulled by the string, it makes an exhaust noise that helps to sell the toy.

The Hubley Indian Motor Cycle is 9 inches long, 5 inches wide and 5½ inches high. The tires are real rubber and the cop is detachable.

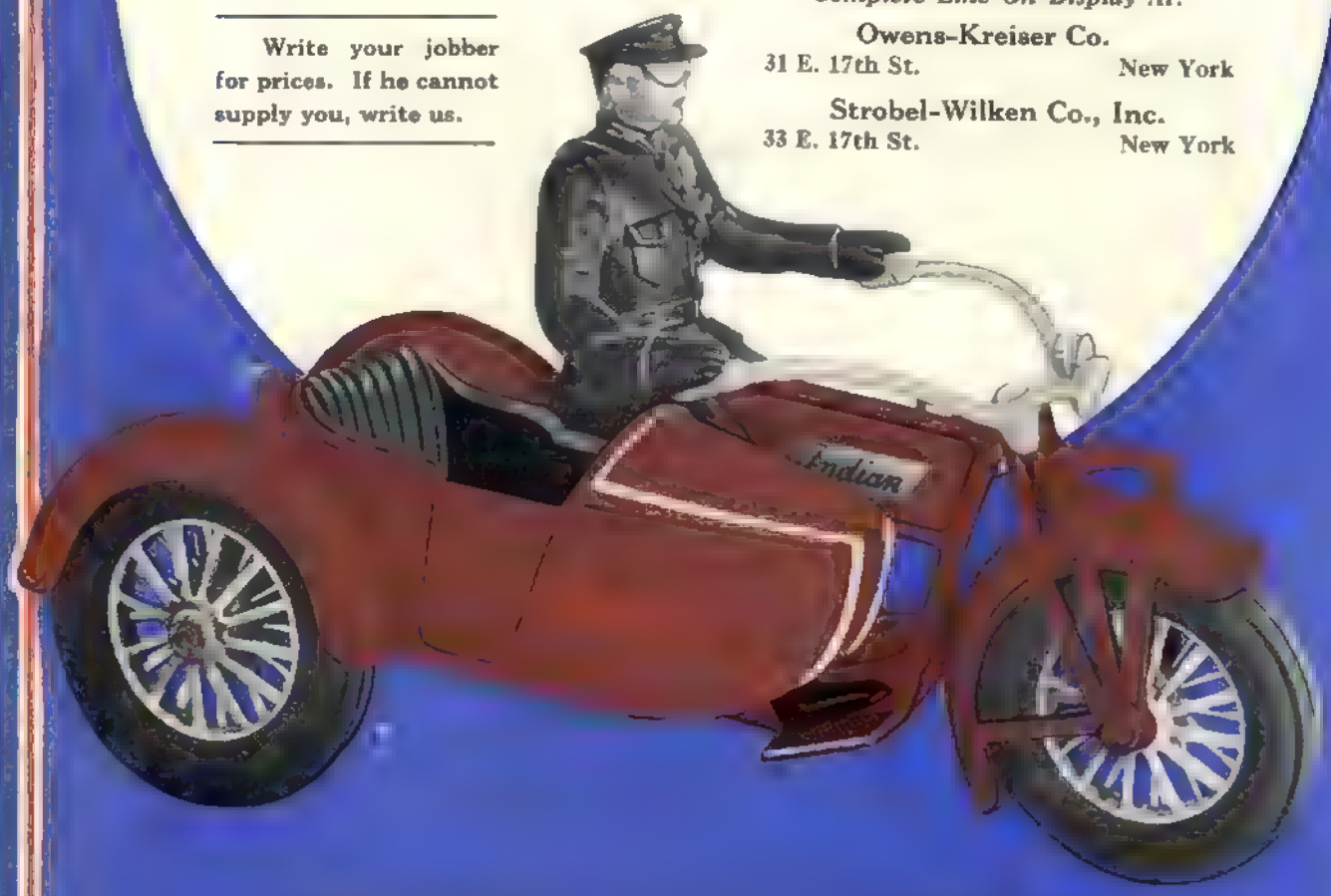
Retails at $1.75—a popular toy at a popular price.

Write your jobber for prices. If he cannot supply you, write us.

Complete Line On Display At:

Owens-Kreiser Co.
31 E. 17th St. New York

Strobel-Wilken Co., Inc.
33 E. 17th St. New York



THE HUBLEY MANUFACTURING CO.
Lancaster, Pa.

Breaking All Records!

Hubley Red Devil Racer

Here is a fascinating new toy that is setting the pace in the iron toy field. Such realistic design and such attractive color that you simply can't resist its clever appeal. It is one of the outstanding successes of the year.

The Red Devil Racer is pulled by a string and as it rolls it makes a real exhaust sound. Children are fascinated by it. The size is 10 inches long, 4 inches wide and 4 inches high. The body is bright red, black and nickel and it has honest-to-goodness rubber tires.

The Red Devil Racer retails for $2.00 and there's a good profit in it for you.

Write your jobber for prices. If he cannot supply you, write us.

"Raise the hood to see the motor"

Complete Line On Display At:

Owens-Kreiser Co., - - 31 E. 17th St., New York
Strobel-Wilken Co., Inc., 33 E. 17th St., New York

THE HUBLEY MANUFACTURING CO.
Lancaster, Pa.

JUVENILE AUTOMOBILES

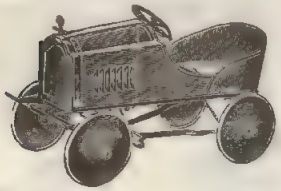
A NEW DRIVE GEAR ON OUR AUTOMOBILES

This gear makes it possible for a child to speed along in his automobile, up-hill and down, as easily as on a velocipede. It makes the auto a real toy.

The new gear is on the rear axle and operates on the ratchet and pawl principle. A full stroke of either pedal turns the axle three-quarters around. There is no dead center. It starts from any position with either foot or with both feet together. It is automatically adjustable to any length stroke that suits the child best.

This gear and special suspension springs are regular equipment on all our autos, beginning at No. 270, at no extra charge. This is going to be a great selling point, and easy to demonstrate to your customers.

Moon



Construction—All steel body, frame and gears. Front selected hard wood. Frame reinforced with steel cross members, supporting body and gears. Body 12½ x 24½ inches.

Equipment—Cast steering wheel with gas control lever. Nickel plated horn button. Ventilating louvers. Polished bar type motometer with gauge plate. Rubber pedals. Bumper. Nickel plated hub caps. Starter cap. Horn. 10 inch Plain Bearing Disc wheels with ⅝ inch rubber tire.

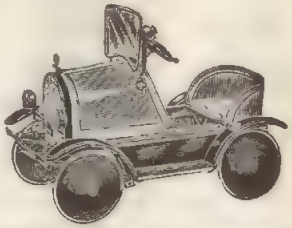
Finish—Body, hood and front green, striped and decorated in yellow. Wheels brilliant red. Gear and bumper black enamel.

Each

No. 258—For Children 3 to 5 years..... 6

One in a Carton. Weight 33 lbs.

Hudson



Construction—Front dash, seat, girders and running boards selected hard wood. Girders reinforced with steel cross members, supporting body and gears. Body pressed steel. Body 13½ x 37 inches.

Equipment—Cast steering wheel with gas control lever. Nickel plated horn button. Polished bar type motometer with gauge plate. Horn. License plate in front. Automobile Bumper. Drum type road lamps with nickel non-glare lens. Nickel plated hub caps. Starter cap. One piece windshield with nickel plated frame. Crown fenders. Padded Seat. 10 inch Plain Bearing Disc Wheels with ⅝ inch Rubber tires.

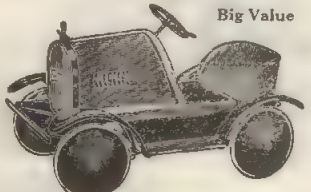
Finish—Body, hood and front Elsa tan. Striped and decorated in vermilion and blue. Wheels brilliant red. Gear, bumper and running boards black enameled.

No. 260—For Children 3 to 5 years..... 6

One in a Carton. Weight 40 Lbs.

Hudson Special

Big Value



Construction—Pressed Steel Body. Front dash, seat, girders and running boards of selected hard wood. Reinforced with steel cross members. Body 13½ x 27 inches.

Equipment—Cast steel steering wheel with gas control lever. 10 inch Disc wheels with ⅝ inch rubber tires. Nickel plated horn button, polished bar type motometer, horn, license plate, rubber pedals, bumper, drum type lamps with metal non-glare lens, hub caps. Starter cap and fully fendered with crown type fenders.

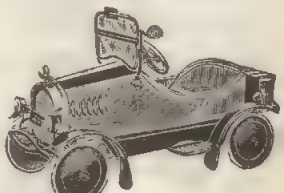
Finish—Two color combination and most attractively striped.

Each

No. 255—For children 3 to 5 years old. 5

One in a Carton. Weight 42 Lbs.

Nash



Construction—Dash, seat and riders selected hard wood. Girders reinforced with steel cross members supporting body and gears. Body and fenders pressed steel. Body 16 x 42 inches.

Equipment—Nash front axle. Spring chassis. Large steering wheel with corrugated wood rim and cast spider. Nickel plated spark and gas control assembly on steering wheel. Nickel plated steering post. Polished wing type motometer with gauge plate. Horn. Ventilating louvers. License plates front and rear. Automatic stop signal. Meter, trunk trimmed with nickel strips. Tool set. 16 inch Rubber pedals. Black rubber bumper. Locust drum type road lamps with glass semaphore lens, nickel plated trimmings on fork support. Tail light. Adjustable spot light. Gear shift lever mounted quarter. Divided adjustable windshield with nickel plated frame. Aluminum hub caps. Leather mud splashers. Padded seat. Instrument board with clock, speedometer, oil meter and gas gauge. Crown fenders. Honeycomb metal radiator front with full nickel plated trimmings. Nickel plated hub caps. Starter cap. Patented new sprocket driven suspension gear. 10½ inch Roller Bearing Disc Wheels with Goodrich Tires.

Finish—Body and hood blue, striped and decorated in vermilion and yellow. Fenders and bumper black enameled. Fenders striped in yellow. Wheels blue with stripe.

Each

No. 277—For Children 5 to 7 years..... 6

One in a Crate. Weight 80 Lbs.

TODDLER TOYS

SWAN SHOOFLY

Made of Non-warping Three-ply Veneer. Wide Rockers. Large, Comfortable Seat. Two Lifelike Swans Decorated in Five Durable Colors.

✣No. 1E—Height 18 Ins., Length 32 Ins., Width 8½ Ins., Wt. per Doz. 141 Lbs. Each

Six dozen in a case

WAGGIE TODDLER

Long Wearing Rubber Tires. Disc Steel Wheels. Easy Steering Handle. Hardwood Box. Finished in Enamel and Coach Varnish. Just the Wagon for the Little Tots. Each

✣No. 110—Box 6 x 18 Ins., 7 In. Wheels, Wt. per Doz. 70 Lbs.

✣No. 120—Box 10 x 22 Ins., 8 In. Wheels, Wt. per Doz. 107 Lbs.

✣No. 130—Box 12 x 28 Ins., 6 In. Wheels, Wt. per Doz. 176 Lbs.

Six dozen (knocked down) in a case

ROCKIE TODDLER

The Ideal Nursery Toy for Little Tots. Give Gentle Swaying Motion. Constructed Entirely of Wood, Finished in Bright Colors of Washable Enamel. Each

✣No. 31—Height 14½ Ins., Length 21½ Ins. To Top of Seat 4½ Ins., Wt. per Doz. 62 Lbs.

Six dozen in a case.

GOULD'S RACER

Gould's Racer—for a red blooded boy who likes speed—low racy lines — attractive — durable — hardwood—strong reinforced steel bolsters—disc wheels—ball bearings — non skid balloon tires—trunk on rear—finished in bright enamel and heavy coach varnish

	Length	Wheels	Each
✣No. 151	34″	8″	
✣No. 152	38″	10″	

One knocked down in a box

ROCKING HORSE

Broadly Spaced Plywood Rockers. Large Comfortable Saddle. Firm Hand Holds. Gives the Sensation of Riding a Beautifully Dappled Horse. Each

✣No. 1D—Height 22 Ins., Length 38 Ins. to Top of Saddle 13¼ Ins., Wt. per Doz. 129 Lbs.

Six dozen in a case

DE LUXE SHOOFLY

Made of Special Plywood Wide Rockers. Comfortable Sanitary Seat. Two Dappled Horses. Playbox. The Strongest Shoofly Made. Each

✣No. 1B—Height 18½ Ins., Length 32½ Ins., Width 13½ Ins., Wt. per Doz. 143 Lbs.

Six dozen in a case

HOBBIE TODDLER

A Real Rocking Ride for All Children. Smooth Metal Swings Long Footboards. Sturdy Base Attractively Dappled Horse. Each

✣No. 1C—Height 23½ Ins., Length 33 Ins., to Top of Saddle 12½ Ins., Wt. per Doz. 183 Lbs.

Six dozen in a case

BYK TODDLER

Solid Rubber Pedals. Rubber Tired Disc Steel Wheels. Strong Hardwood Bumper Solid Construction Throughout. Better than a Velocipede for Small children. Each

✣No. 144—3 to 4 Yrs., to Top of Seat 11½ Ins., Wt. per Doz. 111 Lbs.

✣No. 155—4 to 5 Yrs., to Top of Seat 13 Ins. Wt. per Doz. 128 Lbs.

Six dozen in a case

GOULD'S TODDLER

Large Disc Steel Wheels with Rubber Tires. Strong Hardwood Bumper and Footrest. Comfortable Seat. Three Colors of Bright Enamel. Each

✣No. 220—1 to 2 Yrs. 4 Ins Wheels, to Top of Seat 8½ Ins., Wt per Doz. 65 Lbs.

✣No. 330—2 to 3 Yrs. 5 Ins Wheels, to Top of Seat 10 Ins., Wt. per Doz. 88 Lbs.

SPECIAL SHOOFLY

Five-ply Non-splitting Veneer Rockers. Wide Roomy Seat. Two Pushing Horses. Playbox. Decorated with Two Bridgework Bright Enamel. Each

✣No. 100B—Height 18½ Ins., Length 32½ Ins., Width 13½ Ins., Wt. per Doz., 108 Lbs.

✣No. 200B—Height 20¼ Ins., Length 37½ Ins., Width 13½ Ins., Wt. per Doz. 119 Lbs.

Six dozen in a case.

TODDLER VARC

A New Type of Children's Vehicle. Can be Used by One or Two Children Easily Folded for Carrying into Home Easy Running Ball-bearing Wheels for Summer, Runners for Winter, Enameled Bright Red and Yellow Each

✣No. 101—Height 27 Ins., Length 37 Ins., Width 14 Ins., Wt. per Doz. 246 Lbs.

One only in a case

HORSIE TODDLER

Beautifully Dappled Horse with Wide Comfortable Saddle. Easy Running Rubber Tired Disc Steel Wheels. Just the Toy for Active Children Each

✣No. 20—1 to 2 Yrs., 4 Ins Wheels, Height to Top of Saddle 8¾ Ins., Wt. per Doz. 58 Lbs.

✣No. 30—2 to 3 Yrs., 5 In. Wheels, Height to Top of Saddle 10½ Ins Wt. per Doz. 92 Lbs.

✣No. 40—3 to 4 Yrs., 6 Ins. Wheels, Height to Top of Saddle 12¾ Ins., Wt per Doz. 116 Lbs

✣No. 50—4 to 5 Yrs., 7 Ins. Wheels, Height to Top of Saddle 14 Ins., Wt. per Doz. 123 Lbs

Six dozen in a case.

CYCLE HORSIE

A Real Horsie Velocipede. Easy Running Steel Bearings Rubber Tires Disc Steel Wheels. Richly Dappled Horse. Finished in Five Colors of Bright Enamel Each

✣No. 114—3 to 4 Yrs. 6 Ins. Wheels, Height to Top of Saddle 18½ Ins., Wt. 187 Lbs.

✣No. 115—4 to 6 Yrs. 7 Ins. Wheels, Height to Top of Saddle 14 Ins., Wt. 148 Lbs.

Six dozen in a case.

TODDLER PLAY YARD

Toddler Play Yard keeps baby out of mischief and danger furnishes entertainment, saves mother's time. 23½ in. high and 30½ in. square with eighteen large bright colored bends on each side Folds up easily Finished in sanitary ivory enamel with blue floor

Each

✣No. 501 ....$

✣FACTORY SHIPMENT ONLY :-: SYRACUSE, N. Y.

A New Candy Prize Package

"Sweeties" a suitable package for Concessionnaires, Park Men, Punch Board Operators, etc., who use a give away package

A new candy prize package. Good for resale purposes. Very attractive because it is printed in very pretty colors. The box measures 6⅛x¾x1 inches. Each box contains five pieces of good chewing molasses candy and a prize or toy that will please a girl or boy. The prizes used consist of many different styles such as rings, lanterns, pipes, tops, auto, etc. "Sweeties" are packed 250 to a carton; no less sold.

No. A8100. Per thousand (4 cartons)..... 17.00 | Per carton (250 pkgs) 4.50

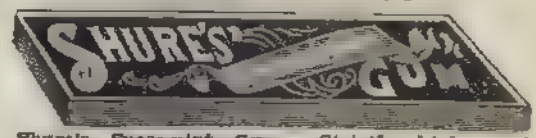
Chewing Gum for Concessionnaires

Our Special Chewing Gum. A special brand in popular spearmint flavor. Packed 2 sticks in fancy lithographed wrapper without price label, packed 100 packages in a box. The sticks are full standard size, especially designed for cane rack and baby rack men.

No. A8174. Per box ..... .50

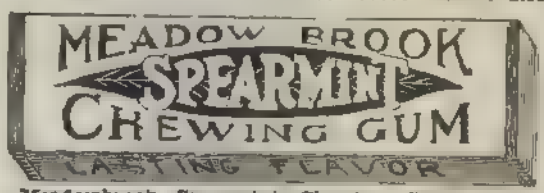
Chewmore Gum. A pleasant and lasting gum, sold piece wrapped in paper with printed label; 100 packages in box. For cane rack, baby rack, salesboards, etc.

No. A8175. Per box..... .75



Shure's Spearmint Gum. Strictly high grade goods. Lasting flavor. Made of best material, absolutely pure, pleasant and lasting chew; 5 pieces wrapped in moisture-proof paper with attractive wrapper. 100 packages in box.

No. A8176. Per box. 1.00



Meadowbrook Spearmint Chewing Gum, a high quality, made of high grade material, lasting flavor. Each stick wrapped separately in moisture-proof paper and wrapper. 5 sticks in attractive package, 20 packages in a box.

No. A8177. Per box. ..... .30

"ENESCO" Brand Ball Chewing Gum

Quality Ball Chewing Gum, candy coated, sizes are regular; every one is round, no trouble in vending machines. Made of good materials, delicious flavor, lasting and pleasant to the taste. Comes in assorted flavors and colors. 100 in a box. 100 boxes in case.

Per box ..... .25

No. A8195. Per case 24.00

SPANISH Salted Peanuts

Salted Peanuts, absolutely fresh, always popular. Our prices enable you to make excellent profits, guaranteed clean fresh goods. Packed 25 lbs. in sealed wooden box. No less sold.

No. A8150. Per box 1.85

"LION" BRAND Molasses Kisses

Wrapped Molasses Kisses, a great favorite chewing candy. Each wrapped in paper. Average about 6 kisses to a pound. 10 pounds in a corrugated box. (Not less sold.)

No. A8154. Per box of 10 lbs. 2.50

Ireland's Cherry and Chocolate Candies. The Line of Merit. Best for Concessionaires—Bazaars—Picnics—Carnivals, Etc.

Royal. Very attractive single layer extension edged boxes, each wrapped in cellophane paper, packed with delicious old fashioned true fruit flavored chocolate creams also large luscious chocolate covered cherries in cream. Size 8¾x5 inches net weight 8 oz. Packed 72 to corrugated shipping carton. (No less sold.

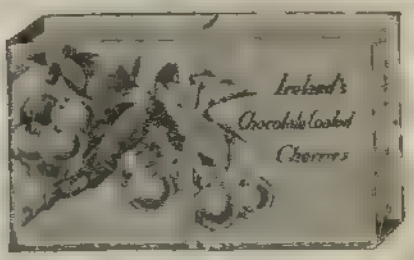
No. 10A8. Per box..... .25

Princess. Very attractive single layer extension edged boxes, wrapped in cellophane paper, packed with delicious true fruit flavored chocolate creams also large, luscious, chocolate covered cherries in cream. Size 9¾x6¾ inches; net weight 8 oz. Packed 18 to corrugated shipping case. (No less sold.)

No. 10A9. Per box..... .33

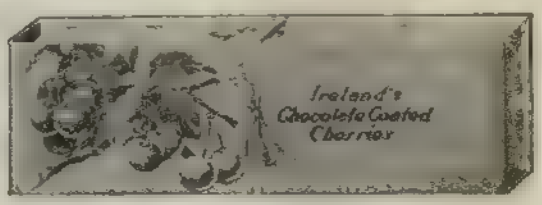
Queen. Very attractive single layer extension edged boxes each wrapped in cellophane paper, packed with delicious old fashioned true fruit flavored chocolate creams also large luscious chocolate covered cherries in cream. Size 12x8 inches net weight 1 oz. Packed 24 to corrugated shipping case. (No less sold)

No. 10A10. Per box..... .60



"A" Cherries. Large luscious maraschino style chocolate covered cherries, dipped in cream, then double dipped in rich, dark semi-sweet chocolate, each cherry wrapped in wax paper, packed in single layer extension edged boxes, each box wrapped in cellophane paper. Size 7⅛x4⅝ inches, net weight 1 oz. Packed 18 boxes to corrugated shipping case (No less sold.)

No. 10A11. Per box..... .20



"B" Cherries. Ireland's large luscious maraschino style cherries, dipped in cream chocolate covered, each cherry individually wrapped in wax paper, packed in attractive single layer extension edged boxes, each box wrapped in cellophane paper which adds to their attractiveness. 8 oz. net to box. Size 11¾x3⅝ inches. Packed 36 to corrugated shipping case. (No less sold.)

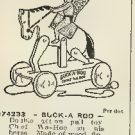
No. 10A12. Per box..... .33

"C" Cherries. Large luscious cherries, dipped in cream chocolate covered, each cherry individually wrapped in wax paper, packed in extension edged single layer cellophane wrapped boxes. 11 oz. net to box. Size 11¾x7 inches. Packed 24 boxes to corrugated shipping case. (No less sold.)

No. 10A13. Per box..... .44

Wooden Pull Toys

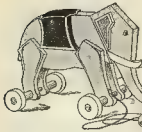
Buck-a-Roo Pull Toys



N74233 — BUCK-A ROO — Pull toy action pull toy. Chief Wa-Hoo-Ta-Ka-Ta-Ka-Ta-Ka

Toy Kraft and Kiddie Kanter Toys

Toy Kraft Toys
Continued



Per doz.

N74211—ELEPHANT—Mounted on wheels. Made of wood. Hand painted in bright colors. Movable head. Pull cord and ball attached. Size, 12¼x8x9¾ inches. Packed one in a box..... 16.00

Per doz.

N74212—LION—Mounted on wheels. Made of wood. Hand painted in bright colors. Pull cord and ball attached. Size, 12¾ x 6 x 16 inches. Packed one in a box..... 16.00

Per doz.

N74213—DRAKE—Mounted on wheels. Made of wood. Hand painted in bright colors. Pull cord and ball attached. Size, 7¼x8½x11 inches. Packed one in a box..... 16.00

N74214—HORSE—Mounted on wheels. Made of wood. Hand painted in bright colors. Movable head. Pull cord attached. Size, 12x5x11¼ inches. Packed one in a box..... 16.00

Per doz.

N73218—CAMEL—Mounted on wheels. Made of wood. Hand painted in bright colors. Pull cord and ball attached. Size, 12¾x6x8¾ inches. Packed one in a box..... 16.00

Pilgrim Doll

Per doz.

N74420—PILGRIM DOLL—Constructed of wood and papier mache, hand painted. When lever is moved up and down the doll's head and body revolve in his usual manner. Black costume with death colored face. 6¾ inches high..... 8.00

Scarey Ann

Per doz.

N74419—SCAREY ANN—Latest California novelty. Hand painted in bright colors. Comical features, made more so when her hair stands on end by moving lever in back up and down. Stands 6 inches high 9.00

Flying Clown Toy

Per doz.

N74080—FLIPS AND FLOPS—A circus clown leaps from a stand when released, flying through the air, making a complete loop the loop and going round and round just like a circus clown. The toy is painted in bright colors, spring is adjustable. Length of frame, 23½ inches; trapeze in frame, 13¼ inches high..16.00

Per doz.

N74181—KIDDIE KANTER PUPPY—Made of selected wood with steel axle. Galloping action secured when drawn along the floor. Finished in bright enamel in several colors. Size, 9x13¾ inches. Packed one in a bright colored carton..... 8.00

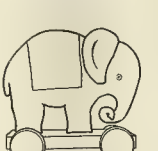
Kiddie Kanter Toys

Per doz.

N74187—KIDDIE KANTER WISE DUCK—Made of selected wood with steel axle. Galloping action secured when drawn along the floor. Finished in bright enamel in several colors. Size, 7x10 inches. Packed one in a bright colored carton..... 8.00

Per doz.

N74188—KIDDIE KANTER BEAR—Made of selected wood with steel axle. Galloping action secured when drawn along the floor. Finished in bright enamel in several colors. Size, 8x7 inches. Packed one in a bright colored carton..... 8.00



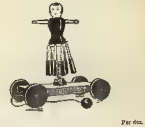
Per doz.

N74185—KIDDIE KANTER JUMBO—Made of selected wood with steel axle. Galloping action secured when drawn along the floor. Finished in bright enamel in several colors. Size, 7x7¾ inches. Packed one in a bright colored carton..... 8.00

Per doz.

N74189—KIDDIE KANTER PIGGY—Made of selected wood with steel axle. Galloping action secured when drawn along the floor. Finished in bright enamel in several colors. Size, 7x10 inch. Packed one in a bright colored carton..... 8.00

Tip Toe



Per doz.

N74498—WHIRLING FLAPPERS—Well constructed. Platform is made of metal enameled in green, mounted on 1¾ inch wooden wheels. The figure is made of wood, enameled, face hand painted and the skirt consists of long wooden drops enameled in variegated colors. As the toy is pulled, the figure revolves spreading the skirt. Size, 6x9¾x7 inches. Packed one in a box..... 9.00

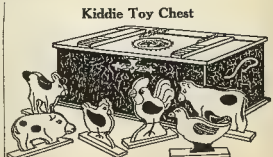
N74499—WHIRLING FLAPPER—Same as N74498. Size, 8x16x3 inches. Packed one in a box..... 18.00

Toy Kraft Cradle

Each

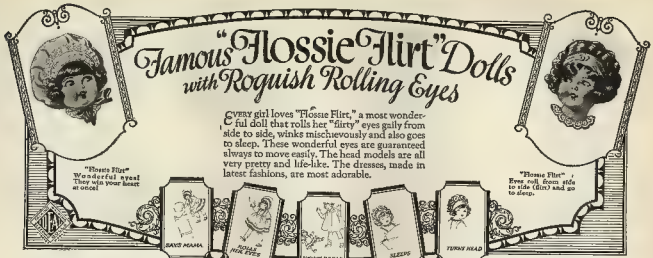
N74227—TOY KRAFT CRADLE—Made of wood. Hand painted and decorated in bright colors. Size, 14¼x7¾x8 inches. Packed one in a carton..... 2.80

Kiddie Toy Chest



Each

N74228—KIDDIE PLAY CHEST—Consists of a beautiful hand painted wooden chest, brass hinges and snap lock, rope handles. Six small wooden toys, pig, goat, cow, rooster, sun and duck all brightly painted in assorted colors. Size of chest, 17x7x8½ inches. Packed one in a carton..... 4.00


"Famous "Flossie Flirt" Dolls
with Roguish Rolling Eyes
EVERY girl loves "Flossie Flirt," a most wonderful doll that rolls her "flirty" eyes gaily from side to side, winks mischievously and also goes to sleep. These wonderful eyes are guaranteed always to move easily. The head models are all very pretty and life-like. The dresses, made in latest fashions, are most adorable.
"Flossie Flirt" Wonderful eyes! They win your heart at once!
"Flossie Flirt" Eyes roll from side to side (flirt) and go to sleep.
SAYS MAMA
SHAKE HANDS
WINKS
SLEEPS
TURNS HEAD

N73232—IDEAL ROLLING EYE AND SLEEPING DOLL. "FLOSSIE FLIRT"—Dainty dress of organdie with real baby lace and silk ribbon. Lace-trimmed bonnet to match. Real mohair wig. Patent leather shoes and removable stockings. Undergarment to match dress. Composition legs. Strong crying voice. Height, 15 inches. Each 2.00

N73233—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—A lovely doll dressed in attractive organdie with rose design of lace. Bonnet to match, also underwear. Real mohair wig. Patent leather shoes and stockings. Composition legs. Height, 16½ inches. Each 3.50

N73234—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—A beautiful doll dressed in organdie with wide lace and braid trimming of charming design. Undergarment and bonnet to match. Real curly mohair wig. Mercerized stockings and patent leather shoes. Composition legs. Height, 18 inches. Each 4.00

N73238—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—A most appealing doll. Organdie dress trimmed with colorful braid, and medallions. Bonnet and bloomers made to match dress. Curly mohair wig. Composition legs. Removable shoes and striped mercerized stockings. A doll the child will love at sight. Height, 20 inches. Each 4.00

N73236—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—An adorable doll, and a novelty creation. The dress is made of rayon silk, trimmed with lovely lace of antique gold effect. A charming combination. Curly mohair wig. Composition legs. Patent leather shoes and striped mercerized stockings. An art doll of first quality. Height, 20 inches. Each 5.50

N73237—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—Dressed in two-piece dress of organdie, with wide lace and braid trimming of charming design. Undergarment and bonnet to match. Real curly mohair wig. Mercerized stockings and patent leather shoes. Composition legs. Height 23 inches 5.50

N73235—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—An adorable doll and real novelty in dress. Costume is made of rayon silk, trimmed with lace of antique gold effect. Composition legs. Patent leather shoes and striped mercerized stockings. Fancy marcel wave wig trimmed with bandeau of ribbon. Height, 22 inches 6.50

N73239—IDEAL ROLLING EYE AND SLEEPING MAMA DOLL. "FLOSSIE FLIRT"—Our doll "de luxe" Real curly marcel wave sewed wig. Exquisite dress of sheer organdie trimmed with fine lace and fancy braid. Petticoat and bloomers to match. Slender, graceful composition legs and full composition arms. Mercerized striped stockings and patent leather shoes. Especially chic and attractive. Height, 23 inches 7.00

Flossie and Baby Dolls

Vanity Flossies With Rubber Arms

Each

N73240—VANITY FLOSSIE WITH ROLLING AND SLEEPING EYES—With mama voice and soft flexible rubber arms. Fingers can be opened and closed and the doll can be made to hold a mirror, a brush, a cup or any article. Is equipped with an unbreakable mirror, encased in rubber. Has rolling eyes with sticking and sleeping features. Dress of organdy, removable shoes and stockings, tearoid waved wig with ribbon bandeau, slender composition legs. Length, 15½ inches... **6.00**

N73242—VANITY FLOSSIE WITH ROLLING AND SLEEPING EYES—Mama voice and soft, flexible, almost human rubber arms. Just as pleasant to touch as a real baby's chubby arms. The fingers can be opened and closed. Every Vanity Doll is equipped with an unbreakable mirror, encased in rubber. The doll is dressed in figured dimity, with pique collar and cuffs, organdy sash. Pretty tearoid waved wig with ribbon bandeau. Slender composition legs. Length, 22 inches... **9.50**

N73241—VANITY FLOSSIE WITH ROLLING AND SLEEPING EYES—Has mama voice, soft, flexible rubber arms. Fingers can be opened and closed, and the doll can be made to hold a mirror, a brush, a cup or any article. Dress of organdy, lace trimmed. French wig with bow, slender composition legs. Doll has unbreakable mirror, encased in rubber. Length, 20 inches... **7.50**

Baby Dolls With Rubber Arms

Each

N73243—"SUCK-A-THUMB BABY"—With soft rubber arms. Washable arms with fingers. The open mouth baby doll can cry and go to sleep. Curved baby legs with stockings, underwear, flannel diaper, crying voice and moving eyes. Has unbreakable composition head. Length, 15½ inches... **2.80**

N73244—"SUCK-A-THUMB BABY"—With flexible rubber arms. Washable. The open mouth baby doll can cry and go to sleep. Curved baby legs with stockings, underwear, flannel diaper, crying voice, moving eyes. Dress of organdy. Height, 14½ inches... **3.50**

N73246—BOTTLE BABY—With rubber arms that hold a bottle. Both arms and bottle are unbreakable. The fingers are moulded to hold other things. The bottle can be inserted into open mouth. The doll cries and can go to sleep. Has lace trimmed baby cap, petticoat, shoes and stockings, flannel diaper and laughing dimpled head. Height, 16 inches... **5.50**

Babytunes Dolls

A new feature in the doll line. A genuine Swiss music box inside the doll, operated by a new patented device, plays an American lullaby.

Each

N73305—INFANT BABYTUNES DOLL—Has moving eyes lace organdy cap, ribbon bow, organdy short dress trimmed with lace. Lace and ribbon on the sleeves. Length, 14 inches... **6.00**

N73306—GIRL BABYTUNES DOLL—Has wig, moving eyes with lashes, full composition slim legs, shoes and stockings, jointed arms, baby waist and dress in print material trimmed with braid. Length, 19½ inches... **7.00**

N73306—GIRL BABYTUNES DOLL—Full composition slim legs, shoes and stockings, full composition jointed arms, hair wig, moving eyes, dressed in organdy. Cap lined trimmed, ribbon bow. Bloomers, underpantalets and dress trimmed with lace. Length, 24 inches... **10.00**

Bottle Baby

Per doz.

N73278—BOTTLEBABE—Composition legs, arms and head, cotton stuffed body. White cotton dress and cap, lace and ribbon trimmed, also a diaper of same material as dress. Bootlee ribboned. Height, 13 inches... **17.00**

Pillowette Twins

Per doz.

N73277—PILLOWETTE TWINS—With kewpie heads, moving eyes, open mouth showing teeth. Long white dress, lace trimmed pillow, size 8x9 inches. The dolls are 3½ inches long including dress. Packed one in a box... **16.00**

Suck-a-Thumb Baby Doll

Each

N73246—SUCK-A-THUMB BABY—With soft rubber arms. Washable arms with finished fingers. Thumb can fit into open mouth. Doll cries and can go to sleep. Has dress, petticoat, baby shoes and stockings and flannel diaper. Height, 12 inches... **4.20**

Each

N73247—HUSH-A BYE BABY DOLL—On a pillow. With sleeping eyes crying voice. Has organdy dress, full petticoat, knitted stockings and flannel diaper. Pillow is stuffed with soft cotton covered with pink tubing and has white batiste pillow slip. Height, 13½ inches... **4.00**

"IDEAL DOLLS" MADE BY IDEAL NOVELTY & TOY CO.

THEY'LL ALL SMILE with "SMILES"

Nobody Can Resist The Cheerful Charm IDEAL Has Given This New Happy Little Miss

SMILES

You smile with her, not at her. Her charming, fascinating face with her *flirting* eyes is simply irresistible.

SMILES

has soft rubber arms with the real flesh color and touch of a live baby.

You can have **SMILES** either with an unbreakable milk bottle or with a pacifier. Send for samples.

IDEAL NOVELTY & TOY CO.
273-287 VAN SINDEREN AVE., BROOKLYN, N. Y.
NEW YORK SHOWROOM: 215 FOURTH AVE.

16-Size Elgin Watches

Seven Jewels
Fifteen Jewels
Seventeen Jewels

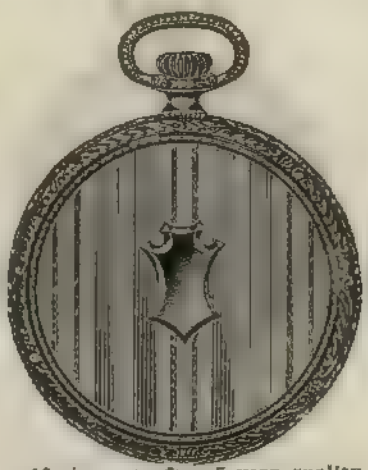
The cases are carefully selected and represent the product of representative factories and are finished in the latest fancy engraved designs. Prices on Elgin watches are subject to a discount. Write for confidential prices.

16 size open face white nickel screw back and bezel case, engraved border with locomotive back fitted complete.

No. 9W240. 7 Jeweled Elgin Movement. Each **7.51**

No. 9W241. 17 Jeweled Elgin Movement. Each **11.41**

No. 9W242. 17 Jeweled Elgin Movement. Each **13.06**

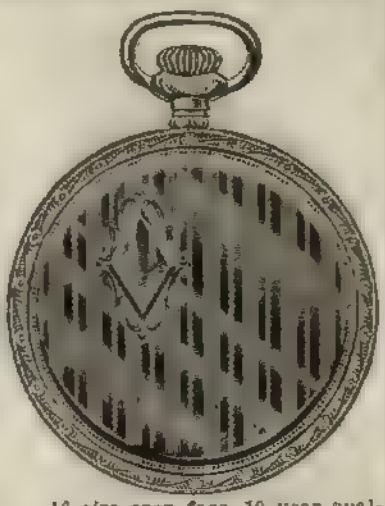


16 size open face 5 year quality Yellow Rolled Gold plated case, either plain or engraved border in assorted fancy engraved and [illegible] turned design fitted complete.

No. 9W243. 7 Jeweled Elgin Movement. Each **7.93**

No. 9W244. 15 Jeweled Elgin Movement. Each **11.84**

No. 9W245. 17 Jeweled Elgin Movement. Each **14.09**



16 size open face, 10 year quality White Rolled Gold plated screw back and bezel case, assorted fancy engraved design fitted complete

No. 9W246. 7 Jeweled Elgin Movement. Each . . . . . [illegible]

No. 9W247. 15 Jeweled Elgin Movement. Each **12.11**

No. 9W248. 17 Jeweled Elgin Movement. Each **14.35**

16 size open face screw back and bezel. 10 year quality Green Rolled Gold plated case, assorted fancy engraved designs fitted complete

No. 9W249. 7 Jeweled Elgin Movement. Each **8.19**

No. 9W250. 15 Jeweled Elgin Movement. Each **12.11**

No. 9W251. 17 Jeweled Elgin Movement. Each **14.35**

16 size open face screw back and bezel Steller White or Green rolled gold plated case, fancy engraved borders and backs. This is a new Railroad Model case at a low price and is specially designed for hard service fitted complete.

No. 9W252. 7 Jeweled Elgin Movement. Each **10.28**

No. 9W253. 15 Jeweled Elgin Movement. Each **14.18**

No. 9W254. 17 Jeweled Elgin Movement. Each **16.43**

16 size, open face, 10 karat 20 year quality Yellow gold filled case railway model with swing ring cap and screw back and engraved border bezel with jointed inside cap. Dust-proof crown and pendant. This case is specially constructed for railroad service and will withstand hard using. Fitted complete.

No. 9W255. 7 Jeweled Elgin Movement. Each **12.79**

No. 9W256. 15 Jeweled Elgin Movement. Each **17.60**

No. 9W257. 17 Jeweled Elgin Movement. Each **19.94**

12 Size—Illinois Complete Watches

Illinois Complete Watches are now recognized to be the equal of any high grade watch produced. In workmanship, design and appearance they can't be beat. Illinois Watches are accurate and dependable and will give a lifetime of service. They can be had in a variety of attractive cases with dials of the most exclusive designs. Each watch is cased and carefully timed at the factory. Furnished in handsome presentation boxes.

New Autocrat. A medium priced watch that can be depended upon for accuracy and durability. These watches are fully guaranteed by the makers to be reliable and give satisfactory service.

17 jeweled adjusted movement, Breguet hairspring, patent micrometric screw regulator; fitted complete in 14k gold filled green or white, fancy designed cases engraved, Moire dials.

No. 9W209. With White Gold Filled Case. Each..... **23.00**

No. 9W210. With Green Gold Filled Case. Each..... **23.00**

Illinois Marquis Autocrat Watch. High grade thin model that is an accurate timekeeper.

17 jeweled movement adjusted to three positions; Breguet hairspring; patent regulator, Illinois Motor Barrel and recoil safety click. Complete in Eton Model 14k gold filled green or white gold chased case. Etched Butler finish or lined back. Embossed raised figure dial.

No. 9W258. White Gold Filled Case. Each..... **30.00**

No. 9W259. Green Gold Filled Case. Each..... **30.00**

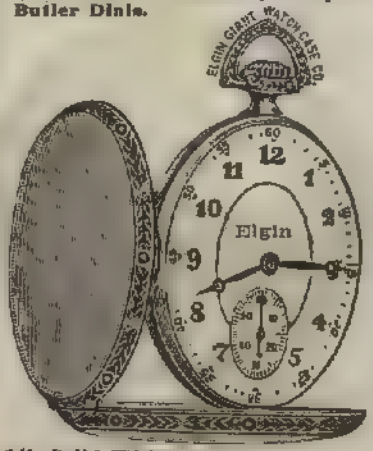
Illinois A. Lincoln Watch. 19 ruby and sapphire jewels of extra quality, adjusted to temperature and isochronism. Breguet hairspring, patent regulator. Complete in Pioneer Model 14k solid white and green gold cases. Full chased center and bezel. Attractively etched, lined or Butler back. Two-color green and white gilded new process etched dial with ancient Roman figures.

No. 9W260. 14k White Gold Case. Each..... **60.00**

No. 9W261. 14k Green Gold Case. Each..... **60.00**

12 Size—14 Kt Solid Gold Elgin Watches

White or Green 14 karat Solid Gold Elgin Watches. Elgin Giant Solid Gold Watch Cases. Will wear indefinitely. Graceful models, combined with durability and attractive decorations. The gold lustre will remain permanently. Climax Model. Snap Bezel and Inside Movement Nickel Swinging Ring Jointed to the Back. Absolutely damp and dustproof. Fitted with 7, 15 and 17 Jeweled Elgin Movements, Silver Butler Dials.



14k Solid White Gold—

No. 9W268. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W267. 15 Jeweled Elgin Movement. Each..... **23.31**

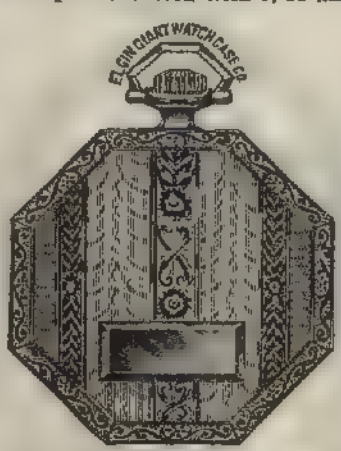
No. 9W208. 17 Jeweled Elgin Movement. Each..... **24.26**

14k Solid Green Gold—

No. 9W269. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W270. 15 Jeweled Elgin Movement. Each..... **23.31**

No. 9W271. 17 Jeweled Elgin Movement. Each..... **24.26**



14k Solid White Gold—

No. 9W272. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W273. 15 Jeweled Elgin Movement. Each..... **23.31**

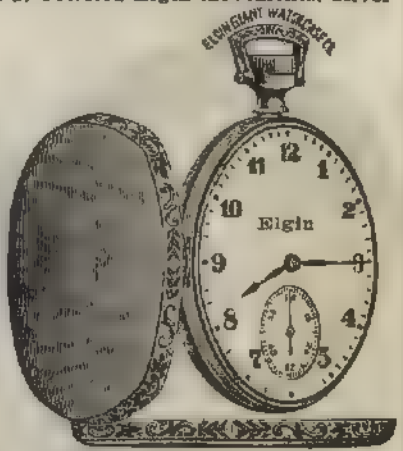
No. 9W274. 17 Jeweled Elgin Movement. Each..... **24.26**

14k Solid Green Gold—

No. 9W275. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W276. 15 Jeweled Elgin Movement. Each..... **23.31**

No. 9W277. 17 Jeweled Elgin Movement. Each..... **24.26**



14k Solid White Gold—

No. 9W278. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W279. 15 Jeweled Elgin Movement. Each..... **23.31**

No. 9W280. 17 Jeweled Elgin Movement. Each..... **24.26**

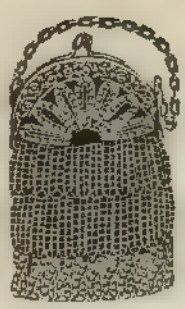
14k Solid Green Gold—

No. 9W281. 7 Jeweled Elgin Movement. Each..... **20.11**

No. 9W282. 15 Jeweled Elgin Movement. Each..... **23.31**

No. 9W283. 17 Jeweled Elgin Movement. Each..... **24.26**

Imported Beaded Bags



Child's Bag, in assorted colors, red, blue, green, etc., chain handle, metal frame, cloth lined. Length 3½ in., width 1⅞ inches.
No. 85J161.
Per dozen..... 1.95

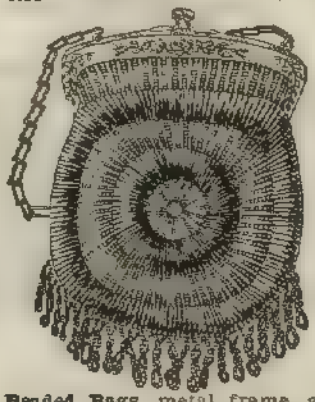
Beaded Bag, draw string style in assorted colors such as coral and silver, green and silver, etc., cloth lined with glass bead fringe to match. Length 3 in., width 3½ in.
No. 85J162.
Per dozen..... 1.95

Beaded Bag, metal frame, assorted color combinations such as red and white, blue and white, etc., cloth lined with glass bead fringe to match length 4½ in., width 4½ in.
No. 85J163.
Per dozen..... 6.00

Beaded Bag, metal frame, assorted color combinations such as coral and white, gold and white, etc.; cloth lined with glass bead fringe to match, length 4¼ in., width 4¼ in.
No. 85J164.
Per dozen..... 6.50

Beaded Bag, metal frame, assorted color combinations such as green and white, blue and white, etc., cloth lined; glass bead fringe to match. Length 7½ in., width 5½ in.
No. 85J170. Per dozen..... 9.00

Beaded Bags, metal frame, assorted color combinations such as coral and white, blue and white, etc., cloth lined; glass bead fringe to match. Length 7⅛ in., width 4 in.
No. 85J171. Per dozen..... 9.00



Beaded Bags, metal frame, assorted color combinations such as blue and white, amber and white, etc.; cloth lined with glass bead fringe to match. Length 7½ in., width 4⅛ in.
No. 85J172. Per dozen..... 9.00

Imported Beaded Bag, pouch effect, draw string. Assorted color combinations with strap beaded handle. Length 7¾ in., width 7 in., with mirror.
No. 85J79. Each..... 1.00

Imported Beaded Bag. Scenic effect, French gray frame, 6¼ inches wide, 8¼ inches long, cloth lined, with glass bead fringe to match
No. 85J173. Each..... 2.25

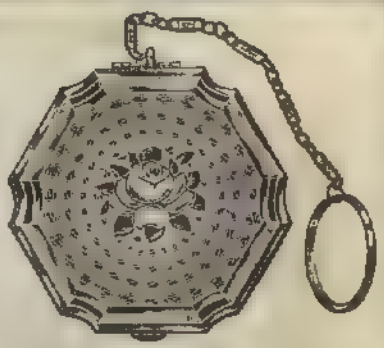
Imported Beaded Bag. Flower effect, French gray frame, 6¼ inches wide, 8¼ inches long, cloth lined, with glass bead fringe to match.
No. 85J187. Each..... 2.25

Compacts in the Newest Designs

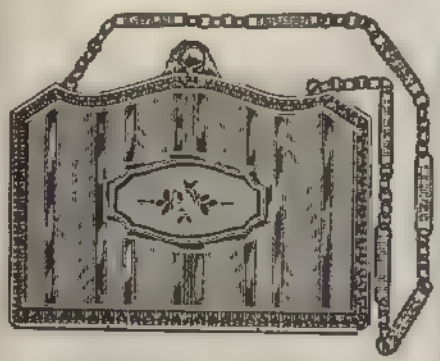
EACH COMPACT IN BOX

Double Compact, nickel silver with sterling silver front cloisonne enameled assorted colors. Contains one cake of powder, one cake of rouge, puff and mirror.
No. 85J217. Each 4.00

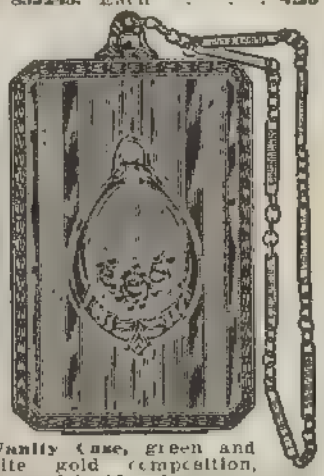
Compact Powder and Rouge Box, heavily silver plated, cloisonne enameled in natural colors. Contains one large cake of powder, rouge, mirror and two puffs.
No. 85J245. Each 4.25



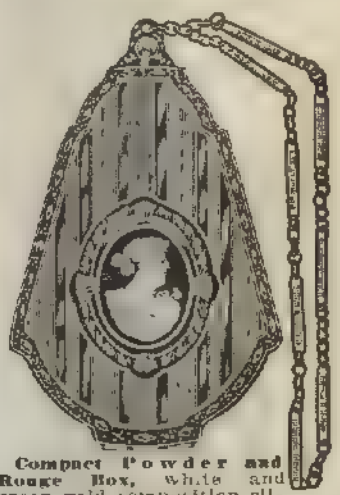
Double Compact, heavily silver plated, large cloisonne light green center. Contains large cake of powder, rouge, mirror and two puffs.
No. 85J246. Each . . . 5.50



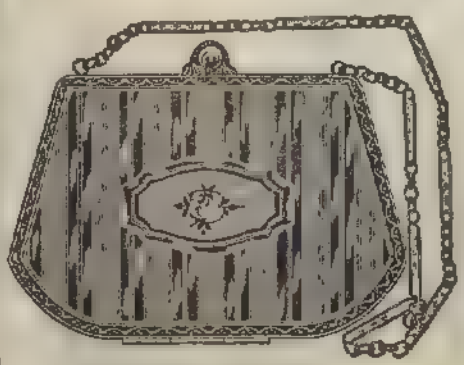
Compact, white and green gold composition silver, gilt lined inside, with white enameled cloisonne center rose design. Contains one cake of powder, rouge, two puffs, lipstick and mirror.
No. 85J247. Each... .. . 5.75



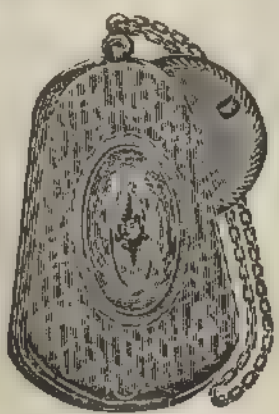
Vanity Case, green and white gold composition, gilt lined inside, cloisonne enameled center. Contains rouge, powder, two puffs, lipstick, eyebrow pencil and mirror.
No. 85J249. Each..... 7.25



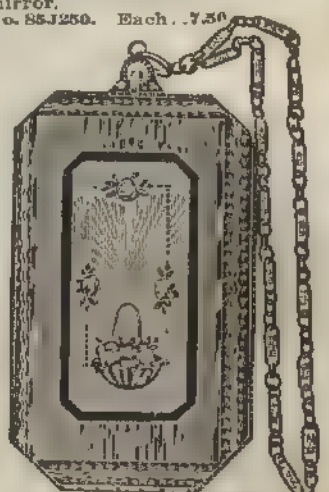
Compact Powder and Rouge Box, white and green gold composition silver. Cornelian Cameo in center. Contains one large cake powder, rouge, two puffs and large fancy mirror.
No. 85J250. Each . . 7.50



Compact Powder and Rouge Box, heavily silver plated, green cloisonne enameled center. Contains cake powder, rouge two puffs, lipstick, eyebrow pencil and large mirror.
No. 85J248. Each..... 7.00



Vanity Case, green gold filled, fancy [illegible] top, with cloisonne enameled center. Contains rouge powder, lipstick and large mirror.
No. 85J222. Each..... 7.25

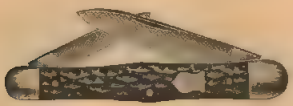


Vanity Box, heavily silver plated. Large cloisonne enameled center. Cake of powder, rouge, lipstick, two coin holders, mirror and two puffs.
No. 85J251. Each 10.50

IMPORTED POCKET KNIVES

No. C01470—Speying, 1 blade, nicely glazed, japanned iron handle to represent stag, embossed XLNT, steel lined, length when closed 3⅜ in. .....per dozen $4.45

ONE DOZEN IN A BOX

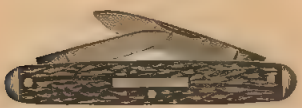


No. C01079—2 blades, polished, stag handles, brass lined, nickel silver bolsters and shield, length when closed 2⅝ in. .....per dozen $13.35

HALF DOZEN IN A BOX

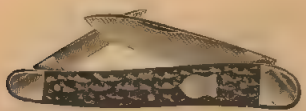
No. C01081—2 blades, polished, stag handles, brass lined, nickel silver bolsters and name plate, length when closed 3¼ in. .....per dozen $13.35

HALF DOZEN IN A BOX



No. C01082—2 blades, polished, stag handles, brass lined, nickel silver tips and name plate, length when closed 3 in. .....per dozen $13.35

HALF DOZEN IN A BOX

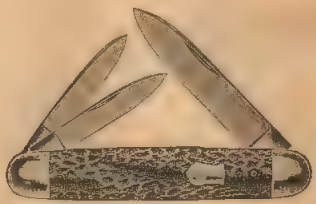


No. C01083—2 blades, polished, stag handles, brass lined, nickel silver bolsters and shield, length when closed 3 in. .....per dozen $13.35

HALF DOZEN IN A BOX

No. C01080—2 blades, polished, stag handles, brass lined, nickel silver tips and shield, length when closed 3 in., per dozen $13.35

HALF DOZEN IN A BOX



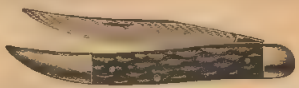
No. C01009—3 blades, highly finished, stag handles, brass lined, nickel silver bolsters and shield, length when closed 3¼ in. .....per dozen $16.65

HALF DOZEN IN A BOX

No. C01008—2 blades, glazed, stag handle, brass lined, length when closed 3⅜ in. .....per dozen $12.20

ONE DOZEN IN A BOX

IMPORTED SOCIETY OR SWITCH KNIVES



No. C01095—1 blade, highly polished on front side, stag handle, brass lined, nickel silver cap and hollow bolster, length when closed 4⅛ in. .....per dozen $13.35

HALF DOZEN IN A BOX

No. C01096—1 blade, highly polished on front side, red shell celluloid handle, brass lined, nickel silver cap and hollow bolster, length when closed 4⅛ in., per dozen $13.35

HALF DOZEN IN A BOX

No. C01093—1 blade, glazed, japanned metal handle to imitate stag, ends are bright to represent cap and bolster, iron lined, length when closed 5 in., per dozen $4.45

ONE DOZEN IN A PKG.; WE DO NOT BREAK PKGS.

No. C01094—1 blade, glazed, stag handle, steel linings, cap and bolster, length when closed 5 in., per dozen $13.35

ONE DOZEN IN A BOX

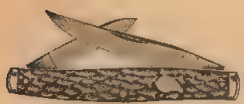
IMPORTED POCKET KNIVES

No. C01073—2 blades, highly finished, brass lined, white ivory celluloid handle stamped in black, office knife length when closed 3⅜ in., per dozen $15.00

HALF DOZEN IN A BOX

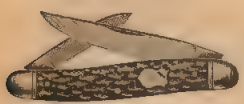
No. C01103—2 blades, large blade highly polished on front side, small blade nicely glazed, stag handle, nickel silver tips and name plate, has nickel silver toggle for fastening to watch chain, length when closed 3⅜ in.....per dozen $13.35

HALF DOZEN IN A BOX



No. C01105—2 blades, large blade highly polished on front side, other blade nicely glazed, Stag handle, brass lined, Nickel Silver tips and shield, length when closed 3⅜ in., per dozen $13.35

HALF DOZEN IN A BOX



No. C01106—2 blades, large blade highly polished on front side, other blade nicely glazed, Stag handle, brass lined, Nickel Silver bolsters and shield, length when closed 3⅜ in.....per dozen $13.35

HALF DOZEN IN A BOX

No. C01026—4 blades, polished, stag handles, brass lined, length when closed 3 in.....per dozen $16.65

HALF DOZEN IN A BOX

2 blades polished, pearl handle, brass lined length when closed 2¾ in.

No. C01076—With nickel silver tips.....per dozen $22.20

HALF DOZEN IN A BOX

No. C01030—Combination, 1 large pen blade, 1 small pen blade, 1 scissor, pearl handles, nickel silver bolsters, brass lined, length when closed 2½ in.....per dozen $40.00

HALF DOZEN IN A BOX

No. C01027—Combination, 1 large pen blade, 1 small pen blade, 1 scissor, pearl handles, brass lined, nickel silver bolsters, length when closed 3 in.....per dozen $40.00

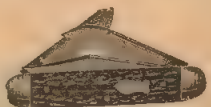
ONE DOZEN IN A BOX

No. C01028—Combination, 1 large pen blade, 1 small pen blade, 1 scissor, pearl handles, brass lined, **has nickel silver toggle for fastening to watch chain,** length when closed 2¾ in., per dozen $40.00

HALF DOZEN IN A BOX

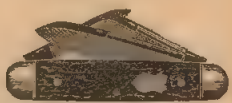
No. C01025—3 blades, polished, stag handles, brass lined, length when closed 3¼ in.....per dozen $13.35

ONE DOZEN IN A BOX



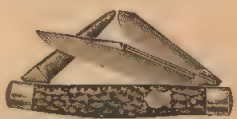
No. C01049½—Three blades, polished, stag handles, brass lined, length when closed 3¼ in., per dozen $17.75

HALF DOZEN IN A BOX



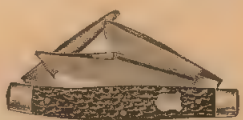
No. C01046—3 blades, polished, stag handles, brass lined, length when closed 3⅜ in.....per dozen $16.65

HALF DOZEN IN A BOX



No. C01090—1 large clip point blade, 1 spey blade, and 1 leather punch blade or gouge, glazed, stag handle, brass lined, nickel silver bolsters and shield length when closed 3¾ in., per dozen $16.65

HALF DOZEN IN A BOX



No. C01092—3 blades, one large clip point blade, one spey blade and one leather punch blade, glazed, stag handle, brass lined, nickel silver bolsters and shield, length when closed 3⅝ in., per dozen $19.45

HALF DOZEN IN A BOX

NO. C18

Ingersoll

WATCH ASSORTMENT

GOOD PROFITS AHEAD

The whole secret in selling Ingersolls is by dealers letting people know they have them. That is why we offer this handsome display fixture FREE so that your customers can display Ingersolls in a prominent place. The big selling season is just ahead. More people every year need an Ingersoll for outdoor use. Think of the number of people driving cars this year, the number of Birthdays, Graduations, Confirmations, Christmas, etc., where an Ingersoll makes an appropriate and acceptable gift.

In order to make it easy for you to sell dealers we have made up a special assortment of the best and fastest selling Ingersolls, assorted in proportion to our record of sales and feel sure your customers will be gratified with the easy profits and quick turnovers on this meritorious line.

No. C18 INGERSOLL WATCH ASSORTMENT

Consists of 18 Watches Assorted as Follows:

		Retail Value, each
7 only—No. C301 Yankee Plain	$1.50	$10.50
1 only—No. C305 Eclipse Radiolite	3.25	3.25
1 only—No. C306 Junior Plain	3.25	3.25
3 only—No. C302 Yankee Radiolite	2.25	6 75
1 only—No. C307 Midget Plain	3.25	3.25
1 only—No. C308 Midget Radiolite	3.75	3.75
1 only—No. C309 Wrist Radiolite	4 00	4 00
1 only—No. C310 Waterbury Plain	4.50	4.50
1 only No. C311 Waterbury Radiolite	5.50	5.50
1 only—No. C313 Reliance Plain	6.00	6 00
1 only—6-O.T. Display Fixture		No Charge
Total Retail Value		$50.75

Customer's profit on his cost is about 50%.

No. C18—Ingersoll Watch assortment...per asst. $75.50

ONE ASSORTMENT IN A CARTON

Description of Display Given Below

Width 15¾ in., height 26 in. Made of substantial cardboard with strong easel back, beautifully printed in colors, has hooks to display 5 watches.

ENTER THIS FREE DISPLAY FIXTURE ON YOUR ORDERS FOR INGERSOLLS.

NOTE—Ingersoll display cards are changed from time to time in harmony with the season. We always include the latest display with orders for Ingersoll Watch assortments.

NO. C2965 SAMPLER

Ingersoll

WATCH ASSORTMENT

Ingersoll Watches are always highly seasonable at all times of the year. Merchants that properly display this line of goods are bound to increase their profits and earnings.

To enable dealers to increase their sales on Ingersoll Watches the factory has gotten out a Beautiful Counter or Window Easel Display Card to hold four models.

THIS HANDSOME DISPLAY EASEL IS GIVEN AWAY FREE TO ANY DEALER HAVING A QUANTITY OF INGERSOLL WATCHES ON HAND—AND TO INSPIRE THE DEALER WHO NEEDS WATCHES WE WILL GLADLY SEND THIS FIXTURE ALONG WITH ORDERS WHEN SO REQUESTED.

We Always Include the Latest Display Fixture, in Keeping with the Season.

INGERSOLL SAMPLER WATCH ASSORTMENT

No. C2965—Consisting of:

	Retail Value, Each	
2 only—No. C310 Waterbury Plain Dial Watches	$ 4.50	$ 9.00
2 only—No. C311 Waterbury Radiolite Watches	5.50	11.00
1 only—No. C315 Waterbury Green Gold Filled Watches	8.00	8.00
2 only—No. C313 Reliance Nickel Watches	6.00	12.00
1 only—No. C318 Reliance White Gold Filled Watches	9.50	9.50
1 only—Seasonable Display Card		No Charge
Total Retail Value		$49.50
Customer's profit		16.50

No. C2965—Per assortment.....$73.30

Description of Display Given Below:

No. C218—Size 15¾×25¾, made of heavy cardboard, nicely lithographed, strong easel back.

WATCHES

Latest styles in gent's thin model watches, complete in handsome presentation boxes.

ELGIN
$40.00 STREAMLINE

Size 12; extra thin model. 17 jewels, adjusted movement fitted in 14 karat gold filled open face case; engraved center, special etched silver dial.

	Each
No. 500—Green gold filled case	✣$93 00
No. 501—White gold filled case	✣93 00

One in box; wt each 10 ozs.

ELGIN
$100.00 CRUSADER
G. M. WHEELER MOVEMENT

Size 12; extra thin model; 17 jewels, 6 adjustments fitted in 14 karat solid gold engraved cap open face case; gold engraved, raised gold figured dial.

	Each
No. 502—Solid green gold case	✣$216 00
No. 503—Solid white gold case	✣216 00

One in box; wt each 10 ozs.

ELGIN
$150.00 CLASSIC

Size 12; extra thin Lord Elgin 19 jewels, 8 adjustments in 14 karat solid gold open face case; engraved cap, silver dial with raised gold Arabic numerals.

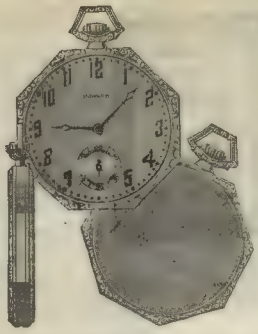
	Each
No. 504—Solid green gold case	✣$315 00
No. 505—Solid white gold case	✣315 00

One in box; wt each 10 ozs.

✣F. O. B. Illinois Factory Only.

WATCHES

HOWARD



Size 10; Keystone, 14 karat solid white gold octagon open face case, engraved border, brush back. 18 karat solid gold raised figures on sterling silver dial.

	Each
No. 724W—17 jewels	✣$280 80
No. 725W -19 jewels	✣ 337 65
No. 726W—21 jewels	✣ 400 95

One in box; wt each 10 ozs.

WALTHAM $45.00 COLONIAL

Size 12; thin model; 17 jewels, adjusted movement fitted in 14 karat gold filled, engraved open face case; silver dial.

	Each
No. 506—Green gold filled case	✣$93 00
No. 507—White gold filled case	✣ 93 00

One in box; wt each 10 ozs.

✣F. O. B. Illinois Factory Only.

WATCHES

INGERSOLL ASSORTMENTS

Assortment consists of 12 Ingersoll Watches as follows:

	Each
4—No. 12 Yankee	$1 10
1 No. 22R Yankee Radolite	1 65
1—No. 3 Eclipse	1 75
1 No. 4 Junior	2 25
1 No. 26 R Wrist Radolite	2 85
1—No. 5 Midget	2 25
1 No. 40 Waterbury (New metal dial)	3 25
1—No. 51 Waterbury Radolite	3 90
1—No. 60 Reliance (New metal dial)	4 25
Cost to Dealer	$26 55
Sells for	37 25
Profits to Dealer	$10 70

Per Ass't

No. 12A—Complete as described above mounted on attractively colored counter display board **$79 65**

One ass't in cardboard box; wt per ass't 5 lbs.

WRIST, TIP TOP

(Actual Size)

Octagon shape, dust proof case with polished aluminum back, bezel and crown; pull out set; stem wind; steel cut pinions. Good grade leather strap. Dial is set at a angle to permit reading time without twisting wrist.

Each

No. 4WL—Silver dial with luminous hands and figures .. **$8 55**

No. 5W—Silver dial with plain hands and figures **7 50**

One in cardboard box; wt each ¼ ozs.

TIP TOP

Silver Dial.

Size 14; full stem. Thin octagon shape case of streamline design; semi-octagon bow; substantial antique pendant. Fitted with white dial, cubists numerals and French hands; open face.

Each

No. 2-T—Nickel plated case **$3 30**

One in cardboard box, 12 in carton; wt each 2 ozs.

WATCHES

D S

TIP TOP

Silver Luminous.

Size 14; full stem. Thin octagon shaped case of streamline design; semi-octagon bowl; open face; substantial antique pendant. Fitted with radium dial, cubist numerals and French hands.

Each

No. 3-TR—Nickel plated case **$4 95**

One in cardboard box; 12 in carton; wt each 2 ozs.

WESTCLOX

Size 16; full stem wind and stem set; dust-proof snap back; nickel open face case. A reliable time keeper.

	Each	Lots of 3 doz Each	Lots of 6 doz Each	List Each
No. 10—White dial	$3 15	3 06	2 97	*$1 50*
No. 9GB—Radium dial	4 74	4 59	4 47	*2 25*

One in cardboard box; 12 in carton; wt per doz 2 lbs.

NEW HAVEN

Size 16; nickel plated open face case, stem wind and set; dust-proof snap back.

Each

No. 100—Wt each 3 ozs ... **$2 73**

One in cardboard box; 12 in carton.

NEW HAVEN SPORTS TIMER

Size 16; nickel plated open face case, stem wind and set.

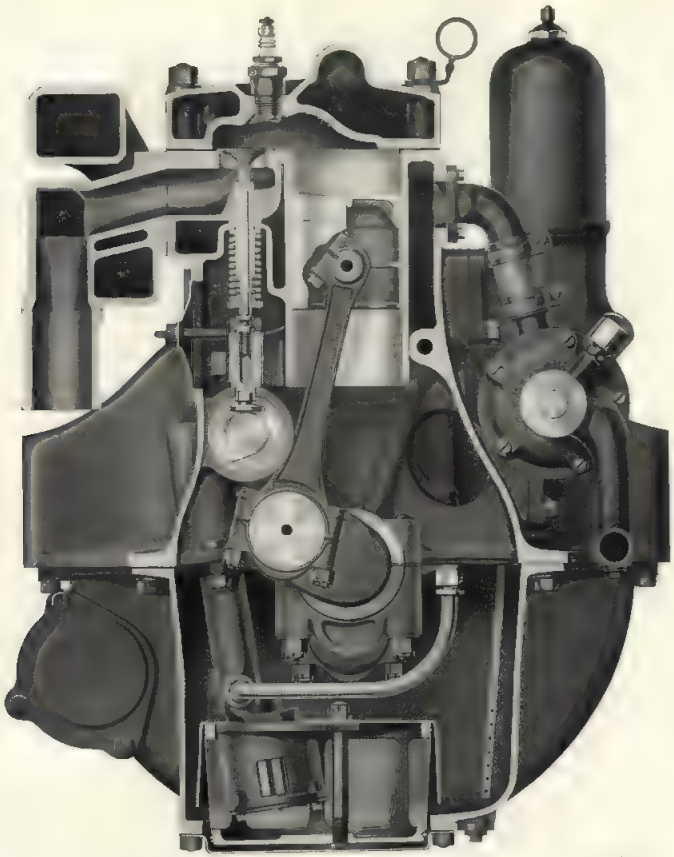
The sports timer combines a reliable time piece with an accurate stop watch, provided with slide on upper left side for timing. Used extensively as a timer for basketball, hockey, football and all games or races regulated by time.

Each

No. 500—Wt each 3 ozs ... **$5 40**

One in cardboard box

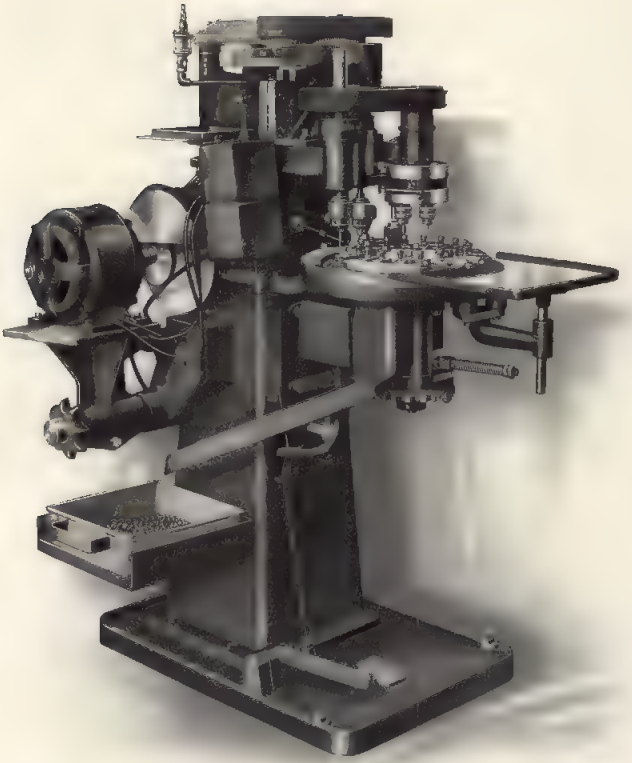
All Ingersoll Watches must be returned direct to factory by consumer or retailer for repairs.



Courtesy of The Vollrath Company *Photo Retouching by Charles E. McCready, Inc.* *133 Screen Halftone*

A CATALOGUE PAGE

Engraved by NATIONAL ENGRAVING COMPANY, MILWAUKEE



Courtesy of Anderson Die & Machine Co. *133 Screen Halftone*

A CATALOGUE ILLUSTRATION

Photo Retouched and Engraved by THE PARK CITY ENGRAVING COMPANY, INC., BRIDGEPORT, CONN.

Courtesy INTERNATIONAL HARVESTER CO.

THE SENTINEL OF A METROPOLIS

Line reproduction from a Hawtin wood cut;
and hand engraved color plate by
THE HAWTIN COMPANY
CHICAGO

Printed by
MAX LAU COLORTYPE CO.

THE MEAT HUNTERS

Four color halftone plates from black dry brush drawing by
THE HAWTIN COMPANY

CHICAGO

Printed by
MAX LAU COLORTYPE CO.

HARMONICAS

HOHNER, Assortment.

These assortments are made up of 12 Harmonicas of different styles and 7 different keys; neatly arranged in a display box.

Scales A, B, C, D, E, F, G.

Per Doz

No. 1—Consists of one doz Harmonicas to retail at 50 cents each **$12 30**

One ass't in display box; wt per ass't about 8 lbs.

HOHNER, Assortment.

Revolving display stand in the form of an obelisk. Seasoned wood, finished in rich dark mahogany highly polished, 32 inches high and 10¾ inches square at base. Decorated with attractive silver pressings and stenciled with the number and retail price of the Harmonicas. By means of steel clamps and supports 36 Harmonicas in the keys of A, B, C, D, E, F and G are fastened to the obelisk. These Harmonicas are assorted in 12 different styles. In the base compartment is a wall constructed motor that revolves the obelisk for three and one-half hours with one winding.

Assortment consists of 36 Harmonicas, assorted in 12 different styles.

	Retail Value
16 Assorted Harmonicas $0 50	$8 00
4 Assorted Harmonicas 60	2 40
6 Assorted Harmonicas 75	6 00
2 Assorted Harmonicas 1 00	2 00
4 Assorted Harmonicas 1 50	6 00
2 Assorted Harmonicas 2 00	4 00
	$28 40

Per Ass't

No. 600—Complete as described above **$67 50**

One ass't in case; wt per ass't 55 lbs.

JEWS HARPS

Iron frame, spring steel playing wire.

Per Doz

No. 19 ½ lb—Length 2½ ins; wt per doz **$2 55**

No. 21—Length 3 ins; wt per doz 1¼ lbs **3 75**

3 doz in cardboard box.

TOY CAP PISTOLS

INVINCIBLE

50 Shot, Repeater.

Iron; bright finish. Repeats, giving 50 loud reports as fast as trigger can be pulled, strikes a forward blow, thus avoiding danger. The ammunition as shown in illustration, is locked in magazine.

Per Doz

No. 50—Length 5½ ins **$6 75**

One in cardboard box; wt per doz 9 lbs.

TOY CAP PISTOL ASSORTMENTS

Per Ass't

No. 3—Includes 1 doz No. 50 Pistols and 5 doz No. 1SA Caps **$10 50**

PAPER CAPS

Scout.

Made especially for Repeating Toy Rifles and Pistols.

Per Doz

No. 1SA—50 caps in a roll, 5 rolls in a carton; wt per doz cartons ½ lb **$1 20**

5 doz cartons to box; 12 boxes to case.

JUVENILE TOOL CHESTS

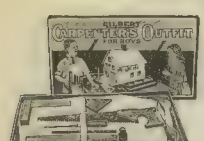
Selected hardwood, shellac finish, dove-tailed corners, with moulding at top and bottom; hinged top, removable tray, hook and eye fasteners.

Per Doz

No. M210—Consists of 9 tools as described below, with chest 10x4½x2½ ins; wt per doz sets 12 lbs **$10 50**

1 Mallet	1 Rule	1 Try Square
1 Saw	1 Crayon	1 Triangle
1 Hammer	1 T Square	Sand Paper

JUVENILE TOOL CHESTS
A. C. GILBERT CO.



All tools are made for actual use and will do the work for which they are intended.

Per Doz

No. M8—Consists of 8 tools as described below and apron to fit all pieces $19 50

1—Hammer
1—Saw Frame
1—T Square
1—Punch
1—Screw Driver
1—Rule
1—Pencil
1—Triangle

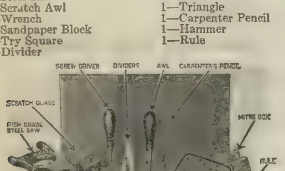
One set in cardboard box; wt per doz 15 lbs.

Hardwood cabinet, stained finish; hinged top, hook and eye fastener. Size 10¾x8½x1⅞ inches.

Per Doz

No. M701—Consists of cabinet and 11 tools as described below; wt per doz sets 30 lbs 25 50
$12 00

1—Steel Saw
1—Scratch Awl
1—Wrench
1—Sandpaper Block
1—Try Square
1—Divider
1—Screw Driver
1—Triangle
1—Carpenter Pencil
1—Hammer
1—Rule



Practical carpentry outfit in stained hardwood cabinet with hinged top hook and eye fastener. Size 17x7½x3¾ inches.

Per Doz

No. M702—Consists of cabinet and 12 tools as described below; wt per doz sets 57 lbs 66 00
$30 00

1—Screw Driver
1—Scratch Gauge
1—Steel Saw
1—Hammer
1—Steel Try Square
1—Triangle
1—Brace
1—Rule
1—Mitre Box
1—Carpenter Pencil
1—Awl
1—Divider

JUVENILE TOOL CHESTS
A. C. GILBERT CO.

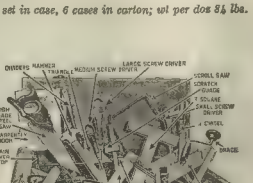
Carpenter type chest of hardwood stained and varnished; brass hand grip on side; brass catches; dovetail corners. All tools are made for actual use and will do the work for which they are intended. Size 22½x8½x3¼ inches.

Per Doz

No. M707—Consists of cabinet and 16 tools as described below 99 00
$45 00

1—Triangle
1—Brace
1—Soldering Iron
1—Rule
1—Mitre Box
1—Carpenter's Pencil
1—Scroll Saw
1—Pair Dividers
1—Bar Solder
1—Screw Driver
1—Drill
1—T Square
1—Steel Try Square
1—Hand Saw
1—Scratch Gauge
1—Hammer

One set in case, 6 cases in carton; wt per doz 84 lbs.



Carpenter type chest of hardwood stained and varnished; brass hand grips on side; brass catches; dovetail corners. All tools are made for actual use and will do the work for which they are intended. Size 22½x8½x4½ inches.

A book of instructions showing many things the boy can make is included.

Per Doz

No. M765—Consists of cabinet and 22 tools as described below 144 00
$66 00

1—Mitre Box
1—Rule
1—Clamp
1—Carpenter's Pencil
1—Steel Try Square
1—Awl
1—Plane
1—Soldering Iron
1—Wooden Mallet
1—Carpentry book
1—Hand Saw
1—Pair Dividers
1—Hammer
1—Triangle
1—Medium Screw Driver
1—Large Screw Driver
1—Scroll Saw
1—Scratch Gauge
1—T Square
1—Small Screw Driver
1—¼ Inch Chisel
1—Bit Brace

One set in case, 4 cases in carton; wt per doz. 150 lbs.

Courtesy of National Geographic Society Magazine

133 Screen Combination Line and Halftone Plate

A MODERN TOPOGRAPHIC MAP *R*

Engraved by MAURICE JOYCE ENGRAVING COMPANY, WASHINGTON, D. C.

REVOLVERS

IVER-JOHNSON HAMMERLESS

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.
Chambered for 32 S. & W. cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
423	3	Rubber	14	$28 50
424	4	"	14½	29 25
423P	3	Pearl	14	34 50
424P	4	"	14½	35 25

One in cardboard box.

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
0423	3	Rubber	14	$28 50
0424	4	"	14½	29 25
0423P	3	Pearl	14	34 50
0424P	4	"	14½	35 25

One in cardboard box.

38 Caliber, Center Fire, 5 Shots.

Automatic shell ejection, double action.
Chambered for 38 S. & W. cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
483¼	3¼	Rubber	18½	✚$28 50
484	4	"	19	✚ 29 25
483¼P	3¼	Pearl	18½	✚ 35 25
484P	4	"	19	✚ 36 00

One in cardboard box.

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
0483¼	3¼	Rubber	18½	$28 50
0484	4	"	19	29 25
0485	5	"	19½	✚ 30 00
0483¼P	3¼	Pearl	18½	35 25
0484P	4	"	19	36 00
0485P	5	"	19½	✚ 36 75

One in cardboard box.

✚F. O. B. Massachusetts Factory Only.

REVOLVERS

IVER-JOHNSON CYCLE

Handy, compact; equally as effective as the larger models and can be carried in the vest pocket. Very popular with cyclists and motorists. Its light weight makes it an ideal fire-arm for women; can be carried in the handbag or in a holster below the knee without betraying its whereabouts.

Hammer.

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.

Chambered for 32 S. & W. cartridges; length barrel 2 inches; nickel plated.

	Each
No. 322—Rubber stock	$26 40
No. 322P—Pearl stock	33 00

One in cardboard box.

Hammerless.

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.

Chambered for 32 S. & W. cartridges; length barrel 2 inches; nickel plated.

	Each
No. 422—Rubber stock	$26 65
No. 422P—Pearl stock	34 50

One in cardboard box; wt each 13 ozs.

MODEL 1900

A worthy successor to the old "Boston Bull Dog" and "American Bull Dog" revolvers. Thoroughly modernized and brought up to date. Famous for their all around excellence and reliability. The action is simple but quick, smooth and positive.

Hand ejection, solid frame, double action, 2½ inches; octagon barrel, nickel plated.

22 Caliber, Rim Fire, 7 Shot.

(Chambered for 22 short, 22 long and 22 long rifle cartridges.)

	Each
No. J22—Rubber stock	$13 05
No. J22P—Pearl stock	18 75

One in cardboard box; wt each 10½ ozs.

32 Caliber, Center Fire, 5 Shot.

Chambered for 32 S. & W. cartridges.

	Each
No. J32—Rubber stock	$13 05
No. J32P—Pearl stock	18 75

One in cardboard box; wt each 12 ozs.

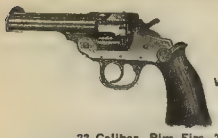
38 Caliber, Center Fire, 5 Shot.

Chambered for 38 S. & W. cartridges.

	Each
No. J38—Rubber stock	$13 05
No. J38P—Pearl stock	18 75

One in cardboard box; wt each 17 ozs.

REVOLVERS



IVER-JOHNSON
HAMMER, AUTOMATIC
WESTERN WALNUT GRIP

22 Caliber, Rim Fire, 7 Shot.

Automatic shell ejection, double action, chambered for 22 short cartridges.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
4	Walnut	13½	5224	✣$30 00		
5	Walnut	14			05225	✣30 75
6	Walnut	15	5226	✣ 31 50	05226	✣ 31 50

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action, chambered for 32 S. & W. cartridges.

Barrel Ins	Stock	Wt Ozs	Blued Nos.	Blued Each
4	Walnut	14	05324	$30 00
5	Walnut	14½	05325	30 75
6	Walnut	15	05326	✣ 31 50

38 Caliber, Center Fire, 5 Shot.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
4	Walnut	18½	5384	$30 00	05384	$30 00
5	Walnut	19	5385	30 75	05385	30 75
6	Walnut	20			05386	✣ 31 50

SPECIAL, WITH WESTERN WALNUT GRIP

32 Special Caliber is Built on a 38 Frame, Center Fire, 6 Shot.

Automatic shell ejection, double action, chambered for either 32 S. & W. long or 32 Colt New Police.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
4	Walnut	20			06324	✣$30 00
6	Walnut	21	6326	✣$31 50	06326	✣ 31 50

All of above one in cardboard box.

HARRINGTON AND RICHARDSON

Trapper Model.

22 Caliber, Rim Fire, 7 Shot.
Hand ejection; solid frame; chambered for 22 long rifle, 22 long and 22 short, 22 NRA or Palma cartridges. Especially designed for trappers, campers, practice and target shooting.

Each

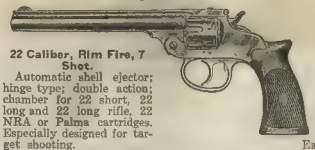
No. T022—Blued finish; checkered walnut stock; length barrel 6 inches $17 25

One in cardboard box; wt each 12¼ ozs.

✣ F. O. B. Massachusetts Factory Only.

REVOLVERS

Target Model.



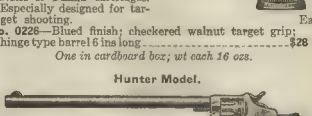
22 Caliber, Rim Fire, 7 Shot.
Automatic shell ejector; hinge type; double action; chamber for 22 short, 22 long and 22 long rifle, 22 NRA or Palma cartridges. Especially designed for target shooting.

Each

No. 0226—Blued finish; checkered walnut target grip; hinge type barrel 6 ins long $28 05

One in cardboard box; wt each 16 ozs.

Hunter Model.



22 Caliber, Rim Fire 7 Shot.
Solid frame; double action; chambered for 22 short ,22 long and 22 long rifle, 22NRA or Palma cartridges.

Each

No. 02210—Blued finish; checkered walnut target grip; octagon barrel 10 ins long $18 00

One in cardboard box; wt each 14 ozs.

U. S.

Hammer.

Automatic shell ejection; center fire; double action; rubber stock.

22 Caliber, 5 Shot.
(Chambered for 22 short, 22 long and 22 long rifle cartridges.)

Each

No. U3223—Nickel plated, 3 in. barrel $21 45
No. U3225—Nickel plated, 5 in. barrel ..... ✣ 23 10
No. U0223—Blued, 3 in. barrel 21 45
No. U0225—Blued, 5 in. barrel 23 10

32 Caliber, 5 Shot.
Chambered for 32 S. & W. cartridges.

Each

No. U3323—Nickel plated, 3 in. barrel $21 45
No. U3325—Nickel plated, 5 in. barrel 23 10
No. U0323—Blued, 3 in. barrel 21 45
No. U0325—Blued, 5 in. barrel 23 10

38 Caliber, 5 Shot.
Chambered for 38 S. & W. cartridges.

Each

No. U3383—Nickel plated, 3 in. barrel $21 45
No. U3385—Nickel plated, 5 in. barrel 23 10
No. U0383—Blued, 3 in. barrel 21 45
No. U0385—Blued, 5 in. barrel 23 10

One in cardboard box.

✣ F. O. B. Massachusetts Factory Only.

Ives' 59th Anniversary Announcement

Sweeping Price Reductions

Finer quality—added features make the 1927 Ives line the world's greatest train buy!

Ives celebrates its 59th anniversary with important price reductions, reflecting the aggressive spirit of this Corporation. The savings on mechanical trains are from 33 1/3% to 40%. And no let-down in quality! The same high grade construction and workmanship that has made this line famous throughout the toy world for over 40 years will be strictly maintained.

Super-Value Electric Trains

Typical examples of superior value in Ives 0 Gauge Electric Trains are a three car, reversible locomotive outfit retailing at $8.00 and a big, three, 9¼"-car, reversible, electrically lighted outfit retailing at $10.00.

In addition to the brand new train numbers being shown, *every* Ives electric train incorporates new features for 1927. These improvements include an entirely new series of cars — new all-steel locomotives—completely new compound geared, heavy duty motors — improved automatic and hand reversing devices — new accessories and novel color combinations.

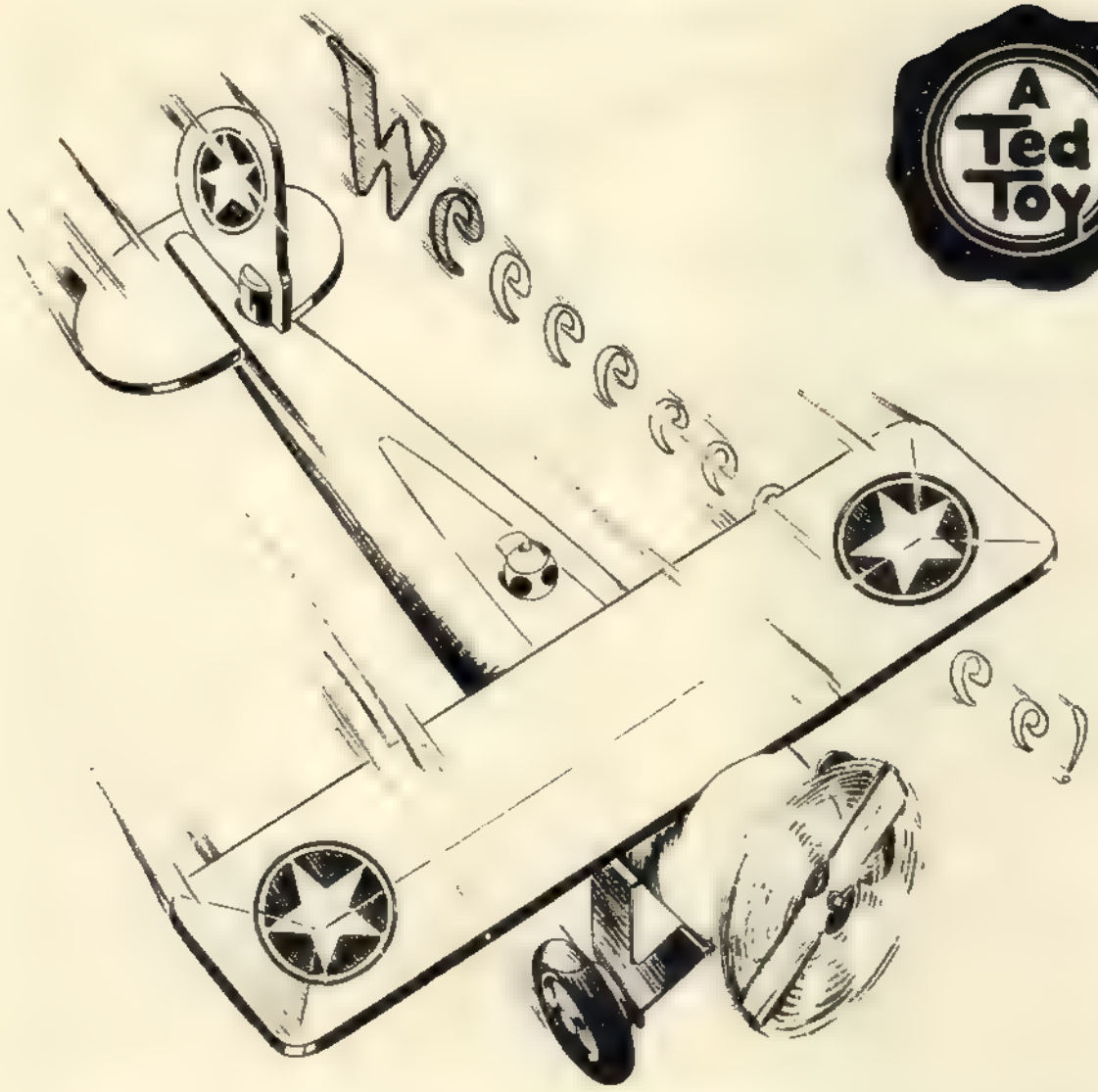
Get the complete Ives proposition before placing your 1927 train order.

THE IVES MANUFACTURING CORPORATION
200 Fifth Avenue, New York City

San Francisco Branch: 165 Jessie Street *Factory*: Bridgeport, Conn.

IVES ELECTRIC AND MECHANICAL TRAINS

"Since 1868, the Favorite of American Boys"



GOING GREAT—*The Ted Toy Aeroplane!*

A striking likeness to the world's most famous aeroplane!

Every child is clamoring for an aeroplane—every grown-up's interest is focused on them.

Capitalize on the widespread enthusiastic interest in aviation.

Here is a realistic toy plane whose propeller *whirls* accompanied by a most realistic *roaring*.

This is a money maker for you—get them now, play them strong. They're selling fast!

Order today—from your jobber.

The TedToy-lers Inc. NEW BEDFORD MASS.

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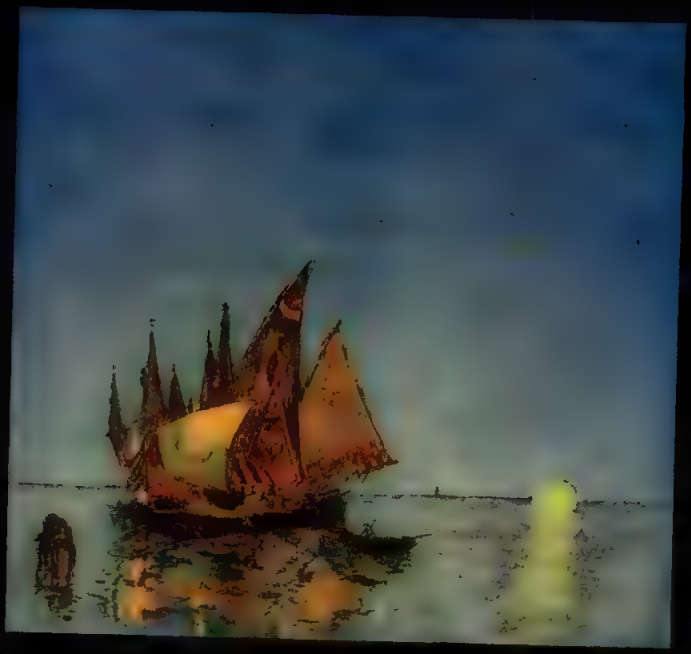
When writing to advertisers please mention PLAYTHINGS.



Four Colors
One Halftone Key Plate
Three Monograph Color Plates
from Color Separations

WALKER ENGRAVING COMPANY
NEW YORK

Four color reproduction of
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Long Island City, N. Y.

SAFETY CITY

—the game that teaches children safety on the streets' A wonderful item for vacation time sales. An interesting game for young and old with a real idea that appeals to everyone. Going stronger than ever; be sure you have it.

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LITTLE MILLIONAIRE
the savings bank with the unbeatable combination

"GOODY" School Companions
—the line that meets every demand for quality and price

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Shulman & Sons

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GOODY ART COMPANIONS

This is the JEFFERSON Midget

5 Models to operate Every Electrical Toy train

LEADING TOY BUYERS specify Jeffersons for *all* their electrical toys. *Some of the reasons*

Jeffersons are the best known, easiest to sell. Deliver full power at maximum voltage. Stand 25% overload. Oversize core and windings. Moisture-proof case—ventilated

Separate rheostats eliminated by small, uniform voltage steps. Built to Underwriters' specifications. Cartons marked, showing trains, etc., each model operates.

Complete line — 5 models. Guaranteed by pioneers and largest makers of toy transformers.

Lower in price despite their superiority. Investigate! Compare!—and you, too, will insist on Jeffersons. Ask your Jobber for Jeffersons — or write us.

JEFFERSON ELECTRIC MFG. CO.
529 S. Green Street Chicago, Ill., U. S. A.

Jefferson
UNIVERSAL TOY TRANSFORMERS

Announcing

Improved Jaxon Doll Stand

Flat Tubular Upright

(Patent Applied For)

Base and upright sprayed with light taupe enamel. New type flattened drawn steel tube absolutely prevents doll from swinging. Easily adjusted for height.

Stands are made with removable top to save space in shipping. This appeals to the jobber, as he can carry a good sized stock in small space. Shipped at third class freight rate.

Upright being made crank shape it quickly screws into base without any tools.

Jobbers: Write at once for attractive proposition. Dealers should get orders in early, specifying future shipping date.

J. B. TIMBERLAKE & SONS, Inc.
Sole Manufacturers
JACKSON, MICHIGAN

Reproduced direct from Tile, 133 screen four color process and gold. This insert of six pages Engraved and Printed by the
BECK ENGRAVING COMPANY of PHILADELPHIA

RECOIL PADS

Akron Pad.

Chrome leather cover with a moulded cushion of sponge rubber, seated in waterproof cement. Lacing feature admits close fit around stock of gun.

	Per Doz
No. D1A-2—4¾x1½ ins	$51 60
No. D1A-3—5¼x1⅝ ins	51 60
No. D1A-4—5¾x1⅝ ins	51 60

One doz in cardboard box; wt per doz 3 lbs.

Hard Rubber Back.

Combination hard and soft rubber. Hard rubber affords a proper base for fastening to gun stock, soft rubber provides a cushion feature at the point of contact with shoulder.

	Per Doz
No. D1HRB-S—Size 5x1½ ins	$85 50
No. D1HRB-M—Size 5½x1¾ ins	85 50
No. D1HRB-L—Size 5¾x1⅞ ins	85 50

One doz in cardboard box; wt per doz 3¼ lbs.

TARGETS

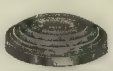
BLACK DIAMOND

Finished in black with bright pink ring. Can be thrown from any trap. Excellent breaking qualities.

	Per Barrel
No. 1BDT—Wt per barrel 180 lbs	$15 00

594 in barrel.

BLUE ROCK CLAY PIGEONS

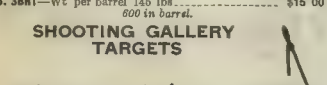


Blue Rock traget, correct in shape and weight, can be thrown from any trap, good breaking qualities. Carefully packed so as to prevent breaking in shipping.

	Per Barrel
No. 3BRT—Wt per barrel 145 lbs	$15 00

600 in barrel.

SHOOTING GALLERY TARGETS



Heavy iron figures and plates which protects the hinges of figures from being broken.

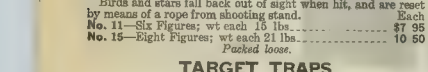
Birds and stars fall back out of sight when hit, and are reset by means of a rope from shooting stand.

	Each
No. 11—Six Figures; wt each 15 lbs	$7 95
No. 15—Eight Figures; wt each 21 lbs	10 50

Packed loose.

TARGET TRAPS

DU PONT HAND TRAP



Malleable iron, japanned; steel spring. A practical and efficient apparatus for throwing all standard makes of clay targets. For practicing, hunting and trap shooting.

	Each
No. DHT—Length extended 34 ins; length closed 23 ins	$12 60

One in cardboard box; wt each 6¼ lbs.

TARGET TRAPS

EXPERT

Cast iron frame, black japanned, steel springs. Swinging lever makes it adjustable for throwing at any angle. Throwing mechanism may be operated by rope or electric pull.

	Each
No. D2ET—Length arm 15 ins; spread of feet 11 ins	$25 95

One in wood box; wt each 30 lbs.

DECOYS

GOOSE, CANADA

Tough jute fibre board. Reproduction of Canada geese, with spreading body held open by inserting triangle frame attached to heavy wire stake. Folds flat.

	Per Doz
No. 111G—Wt per doz 6 lbs	$26 40

One doz in canvas bag.

GOOSE, CANADA

(Open)

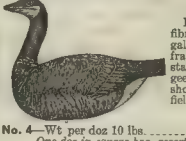
(Folded)

Wood; all parts riveted together so they will fold neat and compact. Light in weight and designed for use in field shooting and on sand-bars. Represents full size geese in side view and may be stuck up to show from any view point by use of the pointed stick which is attached to body.

	Per Doz
No. 2—Wt per doz 14 lbs	$30 00

One doz in carton.

GOOSE, LARGE SIZE

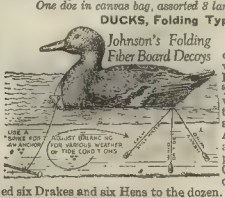


Heavy waterproofed folding fibreboard body held open by galvanized steel triangular frame attached to heavy wire stake. Represents full size geese and may be put up to show from any view point in field shooting and on sand bars.

	Per Doz
No. 4—Wt per doz 10 lbs	$26 40

One doz in canvas bag, assorted 8 large and ½ small.

DUCKS, Folding Type.


Johnson's Folding Fiber Board Decoys
USE A SINKER FOOT ANCHOR
ADJUST BALANCE TO SUIT VARIOUS WEATHER OR TIDE CONDITIONS
BALANCE

Printed in natural colors on tough, water-proof fibre. Board, mounted on 5/16 inch cedar float which slides inside the body to spread and float the duck. A balancing device attached to float prevents tipping. Complete with anchors and cord. Assorted six Drakes and six Hens to the dozen.

	Per Doz
No. 1FD—Mallard, complete	$14 40
No. 1FB—Bodies only, without float	9 75
No. 1F—Cedar floats only	4 95

One doz in canvas bag; wt per doz 4½ lbs.

Painted by F. W. Hevner *133 Screen Four Color Process Plates*

JOHN HANCOCK HOUSE

Reproduced from Water Color painting

Engraved by Ad Service Engraving Company, St. Louis

Drawing by John Woodruff

Courtesy Union Trust Co., Detroit

FRIENDS

Bassani Highlight Halftone from pencil drawing, with tint color plate

ENGRAVED BY WAYNE COLORPLATE COMPANY, DETROIT

LAYOUT BY STANLEY M. LEWIS

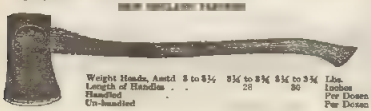
THE PAPER STOCKS USED IN THIS INSERT ARE:

25 x 38—160-M *White Superb Dulcoted Book.*
25 x 38—200-M *Black & White Enamel Book.*
20½ x 26 - 130-M *White Antique Rhododendron Cover.*

SINGLE BIT AXES

Kelly's Flint Edge

SPECIAL CHEMICAL BLACK FINISH CUTTING EDGE HONED
Crucible Steel Bit, Welded Upon Mild Steel Poll, the Recognized Best Method of Making Dependable Axes.



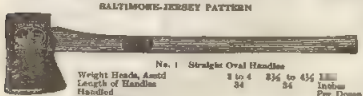
Weight Heads, Asstd	2 to 2½	2½ to 2¾	2¾ to 3¼	Lbs.
Length of Handles	28	30		Inches
Handled				Per Dozen
Un-handled				Per Dozen

MICHIGAN PATTERN

No. 1 Bent Oval Handles

Weight Heads, Asstd	3½ to 4¼	Lbs.
Length of Handles	34	Inches
Handled		Per Dozen
Un-handled		Per Dozen

BALTIMORE-JERSEY PATTERN



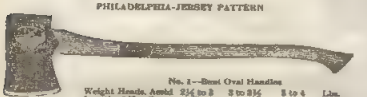
No. 1 Straight Oval Handles

Weight Heads, Asstd	2 to 4	3½ to 4½	Lbs.
Length of Handles	34	34	Inches
Handled			Per Dozen
Un-handled			Per Dozen
Weight Heads, Asstd	4 to 5	4½ to 5½	Lbs.
Length of Handles	36	36	Inches
Handled			Per Dozen
Un-handled			Per Dozen

No. 1 Bent Oval Handles

Weight Heads, Asstd	2 to 4	3½ to 4½	Lbs.
Length of Handles	34	34	Inches
Handled			Per Dozen
Weight Heads, Asstd	4 to 5	4½ to 5½	Lbs.
Length of Handles	36	36	Inches
Handled			Per Dozen

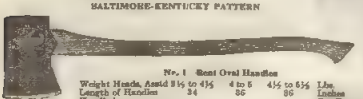
PHILADELPHIA-JERSEY PATTERN



No. 1—Bent Oval Handles

Weight Heads, Asstd	2½ to 3	3 to 3½	3½ to 4	Lbs.
Length of Handles	32	32	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

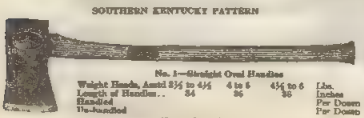
BALTIMORE-KENTUCKY PATTERN



No. 1 Bent Oval Handles

Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 5½	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

SOUTHERN KENTUCKY PATTERN



No. 1—Straight Oval Handles

Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 6	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

No. 1—Bent Oval Handles

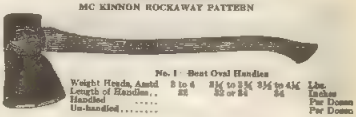
Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 6	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen

Handled Axes—One-half dozen in crate.
Un-handled Axes—One dozen in a box.

Kelly's Flint Edge

SPECIAL CHEMICAL BLACK FINISH CUTTING EDGE HONED
Crucible Steel Bit, Welded Upon Mild Steel Poll, the Recognized Best Method of Making Dependable Axes.

MC KINNON ROCKAWAY PATTERN



No. 1 Bent Oval Handles

Weight Heads, Asstd	2 to 4	3½ to 3¾	3¾ to 4¼	Lbs.
Length of Handles	32	32 or 34	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

SINGLE BIT AXES
Red Warrior

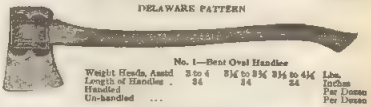
PAINTED RED WITH GOLD BORDER POLISHED BIT AND HEAD
Crucible Steel Bit, Welded Upon a Mild Steel Poll; the Recognized Best Method of Making Dependable Axes.

DAYTON PATTERN

No. 1—Bent Oval Handles

Weight Heads, Asstd	2 to 4	3½ to 4½	4 to 5	Lbs.
Length of Handles	34	34	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

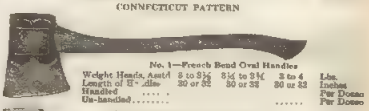
DELAWARE PATTERN



No. 1—Bent Oval Handles

Weight Heads, Asstd	3 to 4	3½ to 3¾	3¾ to 4¼	Lbs.
Length of Handles	34	34	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

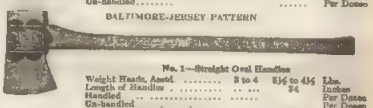
CONNECTICUT PATTERN



No. 1—French Bend Oval Handles

Weight Heads, Asstd	2 to 2½	2½ to 2¾	3 to 4	Lbs.
Length of Handles	30 or 32	30 or 32	30 or 32	Inches
Handled				Per Dozen
Un-handled				Per Dozen

BALTIMORE-JERSEY PATTERN



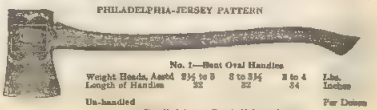
No. 1—Straight Oval Handles

Weight Heads, Asstd	3 to 4	3½ to 4½	Lbs.
Length of Handles	34	34	Inches
Handled			Per Dozen
Un-handled			Per Dozen
Weigh. Heads, Asstd	4 to 5	4½ to 5½	Lbs.
Length of Handles	36	36	Inches
Handled			Per Dozen
Un-handled			Per Dozen

No. 1 Bent Oval Handles

Weight Heads, Asstd	3 to 4	3½ to 4½	Lbs.
Length of Handles	34	34	Inches
Handled			Per Dozen
Un-handled			Per Dozen
Weight Heads, Asstd	4 to 5	4½ to 5½	Lbs.
Length of Handles	36	36	Inches
Handled			Per Dozen

PHILADELPHIA-JERSEY PATTERN



No. 1—Bent Oval Handles

Weight Heads, Asstd	3½ to 3	3 to 3½	3 to 4	Lbs.
Length of Handles	32	32	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

Handled Axes—One-half dozen in crate.
Un-handled Axes—One dozen in a box.

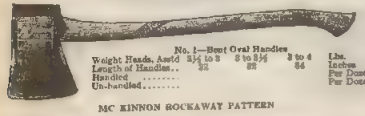
SINGLE BIT AXES

William Penn

IVORY BLACK FINISH. DEEP ETCHED. SILVER LETTERING. CUTTING EDGE HONED.

Soft Steel Poll, Crucible Steel Bit, Hand Tempered. Guaranteed Against Flaws in the Steel or Softness. Accurately and Uniformly Punched Eye. High Grade in Every Detail.

PHILADELPHIA-JERSEY PATTERN

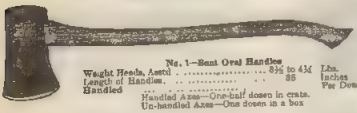


No. 1—Bent Oval Handles				
Weight Heads, Asstd	2½ to 3	3 to 3½	3 to 4	Lbs.
Length of Handles	32	32	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

MC KINNON ROCKAWAY PATTERN

No. 1—Bent Oval Handles		
Weight Heads, Asstd	3 to 4	Lbs.
Length of Handles	32	Inches
Handled		Per Dozen
Un-handled		Per Dozen

MICHIGAN PATTERN



No. 1—Bent Oval Handles		
Weight Heads, Asstd	3½ to 4¼	Lbs.
Length of Handles	36	Inches
Handled		Per Dozen
Un-handled		Per Dozen

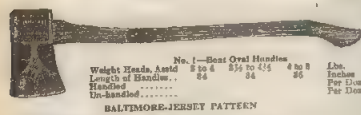
Handled Axes—One-half dozen in crate.
Un-handled Axes—One dozen in a box

Kelly's Perfect

BLUE PAINTED PHANTOM BEVELS. POLISHED BIT AND HEAD

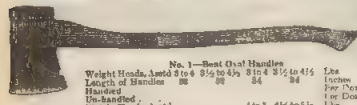
Solid Steel Poll. Crucible Forged Steel Bit. Tempered with Natural Gas. Sharpened Ready for Use. The Patented Bevels Prevent the Axe from Binding in the Wood and Make it Easier to Sharpen. Each Axe Bears an Attractive White and Black Embossed Label.

DAYTON PATTERN

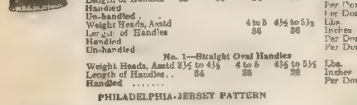


No. 1—Bent Oval Handles				
Weight Heads, Asstd	3 to 4	3½ to 4½	4 to 5	Lbs.
Length of Handles	34	34	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

BALTIMORE-JERSEY PATTERN



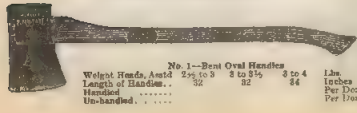
No. 1—Bent Oval Handles				
Weight Heads, Asstd	3 to 4	3½ to 4½	4 to 5	Lbs.
Length of Handles	32	32	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen



No. 1—Bent Oval Handles				
Weight Heads, Asstd	3 to 4	3½ to 4½	4½ to 5	Lbs.
Length of Handles	34	34	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

No. 1—Straight Oval Handles				
Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 5½	Lbs.
Length of Handles	34	36	38	Inches
Handled				Per Dozen

PHILADELPHIA-JERSEY PATTERN



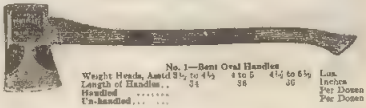
No. 1—Bent Oval Handles				
Weight Heads, Asstd	2½ to 3	3 to 3½	3 to 4	Lbs.
Length of Handles	32	32	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

Kelly's Perfect

BLUE PAINTED PHANTOM BEVELS. POLISHED BIT AND HEAD

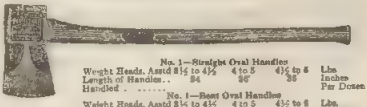
Solid Steel Poll. Crucible Forged Steel Bit. Tempered with Natural Gas. Sharpened Ready for Use. The Patented Bevels Prevent the Axe from Binding in the Wood, and Make it Easier to Sharpen. Each Axe Bears an Attractive White and Black Embossed Label.

BALTIMORE-KENTUCKY PATTERN



No. 1—Bent Oval Handles				
Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 6½	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

SOUTHERN KENTUCKY PATTERN



No. 1—Straight Oval Handles				
Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 6	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen

No. 1—Bent Oval Handles				
Weight Heads, Asstd	3½ to 4½	4 to 5	4½ to 6	Lbs.
Length of Handles	34	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

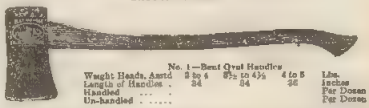
Handled Axes—One-half dozen in crate.
Un-handled Axes—One-dozen in a box.

Kelly's Flint Edge

SPECIAL CHEMICAL BLACK FINISH. CUTTING EDGE HONED

Crucible Steel Bit, Welded Upon Mild Steel Poll; the Recognized Best Method of Making Dependable Axes.

DAYTON PATTERN

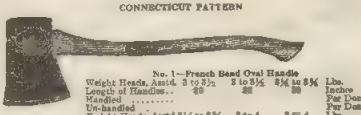


No. 1—Bent Oval Handles				
Weight Heads, Asstd	3 to 4	3½ to 4½	4 to 5	Lbs.
Length of Handles	34	34	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

DELAWARE PATTERN

No. 1—Bent Oval Handles				
Weight Heads, Asstd	3¼ to 3¾	3½ to 3¾	3½ to 4¼	Lbs.
Length of Handles	34	34	34	Inches
Handled				Per Dozen
Un-handled				Per Dozen

CONNECTICUT PATTERN



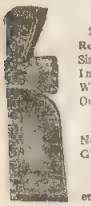
No. 1—French Bead Oval Handle				
Weight Heads, Asstd	3 to 3½	3 to 3½	3¾ to 3¾	Lbs.
Length of Handles	30	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen
Weight Heads, Asstd	3¼ to 3¾	3 to 4	3 to 4	Lbs.
Length of Handles	32	36	36	Inches
Handled				Per Dozen
Un-handled				Per Dozen

Handled Axes—One-half dozen in crate.
Un-handled Axes—One-dozen in a box.

GENUINE UNDERHILL LATHING HATCHETS

Made by Underhill Bros., Boston, Mass.

Forged From Solid Crucible Steel. Tempered Bit. Hardened Steel Poll. Full Polished, Checkered Square Head. White Second Growth Hickory Handles.



California Pattern

2¼ Inch Cut, 12 Rows of Scoring Size of Head, 1¾ Inches Square Weight Each, 19 Ounces.

Per Dozen

No. GV12 Each

Weight per dozen, about 17 lbs.

Chicago Pattern

"The Most Popular Style"

2¼ Inch Cut, Size of Head, 1¾ Inches Square. Weight Each, 18 Ounces. Per Dozen

No. GV8—8 Rows of Scoring. Each

GV9 9 Rows of Scoring. Each

Weight per dozen, about 17 lbs.

GENUINE UNDERHILL BOX HATCHET

Made by Underhill Bros., Boston, Mass.

Forged From Solid Crucible Steel. Tempered Bit. Hardened Steel Poll Full Polished, Checkered Square Head. White Second Growth Hickory Handles.

A Great Hatchet San Diego Pattern

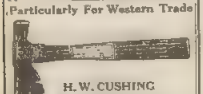
3 Inch Cut 13 Rows of Scoring.

Per Dozen

No. CV16

Weight of Head 18 Ounces.

Particularly For Western Trade



H. W. CUSHING LATHING HATCHET

Hand Forged Hatchet, Made of the Best Tool Steel, Absolutely Free from Flaws and Perfectly Tempered.

Full Polished Deep Etched Hexagon Head with Polished Flat Head Thin Blade Shaped Handle 2½ In Cut Per Dozen

No. 050

Half dozen in a box.

ORIGINAL UNDERHILL LATHING HATCHETS

Forged From One Piece Crucible Steel. Thin Tempered Blades. Hardened Mill Head. Full Polished. Special Shape Second Growth Hickory Handles.

Regular Pattern

Kelly

2 Inch Cut, 8 Rows, 64 Points Length of Handle 13 Inches

Per Dozen

No. 20.....

Half Dozen in a Carton.

Chicago Pattern

Kelly

2¼ Inch Cut. Square Milled Head. 9 Rows 81 Points.

Per Dozen

No. 40

California Pattern

Kelly

2 Inch Cut, 12 Rows, 144 Points. Length of Handle, 13 Inches.

Per Dozen

No. 60

Half Dozen in a Carton

Kelly

ORIGINAL UNDERHILL BOX HATCHET

Forged from One Piece Crucible Steel. Thin Tempered Blades. Hardened Milled Heads. Full Polished. Special Shape, Second Growth Hickory Handles

Per Dozen

No. 65—2 Inch Cut, 12 Rows Scoring

No. 75—2¼ Inch Cut, 16 Rows Scoring

Half Dozen in a Box

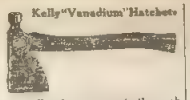
FARRIER'S HAMMERS

Heller Bros.

Solid Drop Forged, Crucible Cast Steel Perfectly Tempered, Selected Second Growth Hickory Handles

Nos.	Wt Inched. Unless Otherwise Ounces.	Per Dozen
7/16	12	
7/16	13	
7/16	14	

Half dozen in a box



Kelly "Vanadium" Hatchets

This Hatchet represents the peak of development in the manufacture of High Grade Hatchets. Blades are made thinner than ordinary hatchets without sacrificing strength. Special heavy hardened head for driving.

Hexagon Neck, Round Head.

Sharp beveled Nail Slot. Per Dozen

No. 301—Size 1.....

No. 302—Size 2.....

Broad

16 Inch Handle

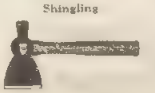
Nos.	Size	Width of Cut, Ins.	Per Dozen
501	1	4	
502	2	4½	
503	3	5	

One only in a carton, 3 dozen in a case

KELLY HATCHETS

Natural Hand Forged Finish. Well Tempered with Polished Heads and Bits. Good Grade Hickory Handle

Shingling



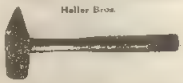
Nos.	Size	Length Width of Cut, Ins.	Over All Ins.	Per Dozen
HM51	1	3½	12¾	
HM52	2	4	13½	

Lath

Nos.	Size	Length Width of Cut, Ins.	Over All Ins.	Per Dozen
HM71	1	2½	12	
HM72	2	2¾	13	

BLACKSMITH'S HAND HAMMERS

Heller Bros.



Head Made of Special Crucible Tool Steel Hardened and Polished Good Quality Hickory Handles.

No. 300 Size O—Weight without Handle 1¾ lbs.

Quarter Dozen in a box.

Weight Per Dozen about 38 lbs.

KELLY "STANDARD" BRAND HAMMERS

Made of Drop Forged Crucible Steel. Full Polished Second Growth White Hickory Handles.

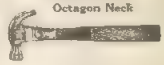
NAIL

Plain Face

Nos.	Size	Wt Head Ozs.	Hdle Ins.	Per Dozen
8000	0	28	13	
8001	1	20	14½	
8001½	1½	16	13½	
8002	2	13	13½	

Half dozen in a box

Octagon Head, Octagon Neck



Nos.	Size	Wt Head Ozs.	Hdle. Ins.	Per Dozen
201	1	20	14½	
201½	1½	16	13½	
202	2	13	13½	

Half dozen in a box

Bell Face

Nos.	Size	Wt Head Ozs.	Hdle Ins.	Per Dozen
8111	1	20	14½	
8111½	1½	16	13½	
8112	2	13	13½	
8113	3	7	12½	
8114	4	5	12½	

Half dozen in a box

KELLY AXES

Fireman's Axes

Standard

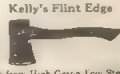
Made of Best Grade Tool Steel, Handle Painted Red. Made with Hardened Face, Point Polished Pick and Bit, Poll Painted Red. Used by Fire Companies, on Boats and Railway Trains; in Factories, Warehouses, Theatres, Hotels and Other Public Buildings

Per Dozen

No. 120

Weight, 5 lbs One half dozen in a crate

Kelly's Flint Edge



Made from High Grade Iron Steel, Special Chrome Black Finish with Cutting Edge Honed. High Grade No. 1 White Hickory Handles. 18½ Inch Handle Weight of Head 2¼ Lbs

Per Dozen

No. 310

Weight about 18 lbs Half dozen in a crate

KELLY HATCHETS AND HAMMERS

"Standard" Brand

Gold Bronze Finish, Polished Blade, Second Growth Hickory Handles

HATCHETS

Shingling

Nos.	Size	Width Cut Ins.	Per Doz.
1161	1	3½	
1162	2	4	

Half dozen in a box.

Half

Nos.	Size	Width Cut Ins.	Per Doz.
1361	1	3¼	
1362	2	3½	
1363	3	4	

Half dozen in a box

Single Bevel Half

Nos.	Size	Width Cut Ins.	Per Doz.
2361	1	3¼	
2362	2	3½	

Flooring

Nos.	Size	Width Cut Ins.	Per Doz.
[illegible]	2	4¼	

Half dozen in a box.

Broad

Nos.	Size	Width Cut Ins.	Per Doz.
1561	1	4	
1562	2	4¼	
1563	3	4½	
1564	4	4¾	

Half dozen in a box.

Lathing

Nos.	Size	Width Cut Ins.	Per Doz.
1261	1	3¼	
1262	2	3½	

Half dozen in a box.

Claw

Nos.	Size	Width Cut Ins.	Per Doz.
1461	1	3½	
1462	2	4	

Half dozen in a box.

Haines Pattern—Half

Solid Crucible Steel Hand Tempered. Full Polished and Finished. Round Neck and Head

Nos.	Size	Width Cut Ins.	Per Doz.
31	1	3¼	
32	2	3½	

Half dozen in a box.

Car Builders

Gold Bronze Finish Blade and Head Polished Octagon Neck and Round Poll.

Nos.	Size	Width Cut Ins.	Per Doz.
762R	2	3½	

Half dozen in a box.

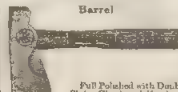
Thin Bit Half

Full Polished Round Head, Octagon Neck

Nos.	Size	Width Cut Ins.	Per Doz.
1761R	1	3	
	2	3½	

Half dozen in a box.

Barrel

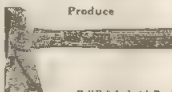


Full Polished with Double Shot Checkered Head

Nos.	Size	Width Cut Ins.	Per Doz.
45	1	2½	
46	2	2¾	

Half dozen in a box

Produce

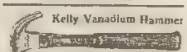


Full Polished with Double Slot Checkered Head.

Nos.	Size	Width Cut Ins.	Per Doz.
[illegible]1	1	2½	

Half dozen in a box

Kelly Vanadium Hammer

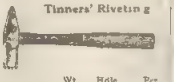


The hexagon neck and reinforced claw make a distinctive design which appeals at sight as having unusual merit. Blue-light claw holds firm on any nail, small or large. Hexagon neck, round head reinforced. Extra high polish finish. 16 ounces head, 13½ in. handle

			Per Dozen
No. 5621½			
No. 5622	2	13 oz.	13½ lbs
No. 5622½	2½	10 oz.	13½ lbs

HAMMERS

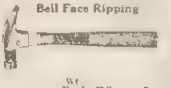
Tinners' Riveting



Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
6812	2	13 Oz.	13½	

Half dozen in a box.

Bell Face Ripping



Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
5911	1	20	14½	
5911½	1½	16	13½	

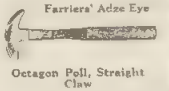
Half dozen in a box

Tinners' Paneling

Nos.	Size	Wt. Head Ozs.	Hdle. Ins.	Per Dozen
6912	2	12	12	

Half dozen in a box

Farriers' Adze Eye

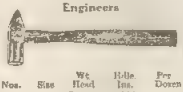


Octagon Poll, Straight Claw

Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
102	1	12 Oz.	12½	

Half dozen in a box

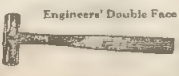
Engineers



Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
6411	1	1 lb. 10 oz	15½	
6412	2	2 lbs.	16½	
6413	3	2½ lbs.	16½	
6414	4	3 lbs.	16½	

Half dozen in a box

Engineers' Double Face



Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
6612	2	2 lb. 6 oz.	16½	

Half dozen in a box.

Bricklayers' Plain Eye

No.	Size	Wt. Head	Hdle. Ins.	Per Dozen
7311	1	1 lb. 2 oz.	11½	

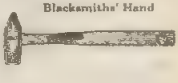
Half dozen in a box

Bricklayers' Adze Eye

Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
7411	1	1 lb. 2 oz.	11½	

Half dozen in a box.

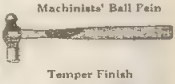
Blacksmiths' Hand



Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
6311	1	2 lb.	10½	
6312	2	2 lb. 10 oz.	10½	
6313	3	3 lb.	12½	

Half dozen in a box

Machinists' Ball Pein

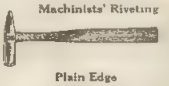


Temper Finish

Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
	0000	6 Oz.	12½	
	000	8 Oz.	13½	
	00	12 Oz.	14½	
No.	0	16 Oz.	15	
16	1	1 lb.	16½	
	2	1¼ lb.	16½	
	3	1½ Lb.	17	
	4	2 Lb.	17½	
	6	2½ Lb.	17½	

Sizes 0000 to 0 half dozen, larger sizes, third dozen in a box.

Machinists' Riveting



Plain Edge

Nos.	Size	Wt. Head	Hdle. Ins.	Per Dozen
6710	0	4 oz	12½	
6711	1	7 oz	12½	
6712	2	9 oz	13½	
6713	3	12 oz.	13½	
6714	4	15 oz.	14½	
6715	5	1 lb. 2 oz.	14½	

Half dozen in a box

Child Improvement Outfits

(PATENTED IN THE UNITED STATES AND CANADA)

Building Fun
Funny Face
Game
Wonder Garden
Wonder Speller
Playland
Reader
Wonder Nature
Stories
Garden Speller
Bird Wonder
Speller
Ideal Speller
Playtime Game
Wonder
Numbers

Printed in English, Spanish and Portuguese

FULL SIZE, 12½x8½ INCHES, BOXED ..... RETAIL PRICE, $1.00 EACH
HALF SIZE, 8½x8 INCHES, BOXED ..... RETAIL PRICE, $ .75 EACH

IDEAL BOOK BUILDERS, Publishers

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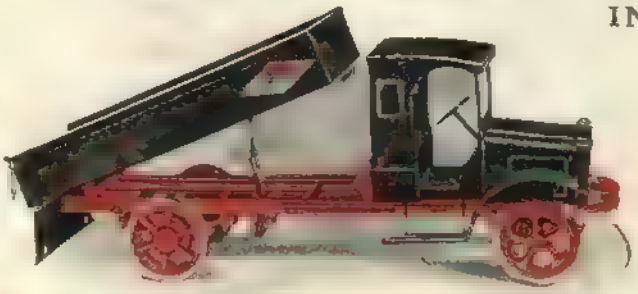
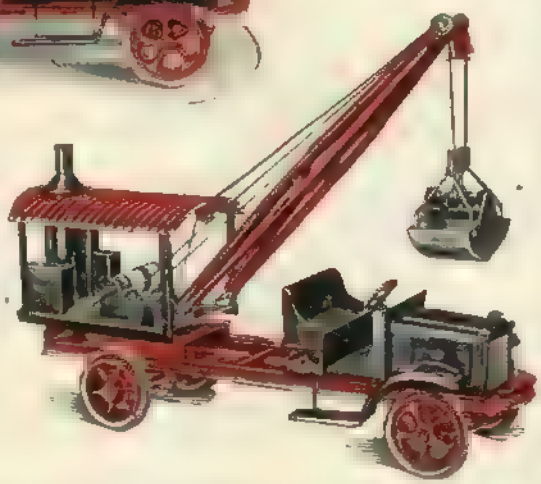
CONSTRUCTION EQUIPMENT
IN MINIATURE

"TRUMODEL" TOYS

"BIG BOY" TOYS



Send for catalog illustrating the complete assortment of "Construction Equipment" toys along with the attractive merchandising and demonstration plans.



KELMET CORP., 200 Fifth Ave., NEW YORK

"KENTONTOYS"

New Combination Lock. All Three Dials Operate

ONE OF OUR MANY NEW TOYS THIS YEAR

THE KENTON HARDWARE CO.
Kenton, Ohio, U. S. A.

New York Office
RIEMANN SEABREY CO., INC.
215 Fourth Avenue — New York City
Salesroom for the United States and Canada

GEO. P. PAINE
718 Mission Street
San Francisco, Cal.

AMERICAN TOYS

W. G YOUNG & SON
116 Bedford Street
Boston, Mass

HOME TOWN PLATES

26 gauge steel; finished to match license plate. Letters are 1½ inches high embossed.

When ordering give name of town and color of plates wanted. Width 2½ inches; length to accommodate name of town, city or state.

Complete with clamps for attaching to license plate.

	Each
No. A-10—Less than 100 plates	$0 33
No. A-100—100 to 499 plates	30
No. A-500—500 or more plates	27

Packed in cartons; wt each ½ lb.

Aluminum Script Plate.

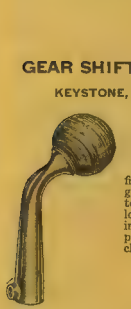
Stamped from aluminum, polish finish. Height of slogan letter 1 inch; height of letters in city name 1½ inches; height of capital letters 3 inches. When ordering specify name of town city or state.

	Each
No. A-B-50—50 in carton	$3 60
No. A-B-100—100 in carton	3 45
No. A-B-500—500 in carton	3 30

Packed in cartons; wt each 1¼ lbs.

GEAR SHIFT EXTENSION LEVERS

KEYSTONE, With Genuine Onyx Balls.



Metal lever, nickel plated and polished, fitted with genuine Arizonyx theftproof gear shift ball. Extension lever screws on to main gear shifting lever and securely locked into position by a set screw making the unit firm, substantial and theftproof. Designed to fit cars shown in chart. Length of extension 5 inches.

Nos.	A-11	A-12	A-13	A-14	A-15	A-16
Each	5 85 *$3 00*					

Nos.	A-17	A-18	A-19	A-110	A-111
Each	5 85 *$3 00*				

One in cardboard box; wt each 1¼ lbs.

✚Nos. A-10 to A-500—F. O. B. Kentucky Factory Only.

✚Nos. A-B-50 to A-B-500—F. O. B. Tennessee Factory Only.

GEAR SHIFT BALLS

ONYX

Round, genuine Pedrara Onyx, highly polished. Mined from the famous California Onyx Region. Adds to the attractiveness of car and is much better to handle than the ordinary iron or composition ball regularly furnished on cars. Designed to fit cars shown in chart below. Diameter 1 5/16 inches.

Nos.	A-1	A-2	A-3	A-4	A-5	A-6	A-7
Each	4 05 *$2 00*						

Nos.	A-8	A-9	A-10	A-11	A-12	A-15	A-16
Each	4 05 *$2 00*						

10 in cardboard box; wt each 6 ozs.

CHART FOR GEAR SHIFT BALLS AND EXTENSION LEVERS

Car	Gear Shift Ball Nos.	Ext. Lever Nos.
Ajax	A- 3	A- 13
Anderson	A- 2	A- 12
Auburn	A- 7	A- 17
Buick	A- 1	A- 11
Case	A- 5	A- 15
Cadillac	A- 5	A- 15
Chalmers, 23	A- 2	A- 12
Chandler, 24 and later	A- 1	A- 11
Chrysler Six	A- 6	A- 16
Chrysler Four	A- 2	A- 12
Chevrolet, 23 and later	A- 1	A- 11
Cleveland	A- 5	A- 15
Cole	A- 7	A- 17
Columbia	A- 2	A- 12
Cunningham	A- 2	A- 12
Davis, 25 & 26 all models	A- 3	A- 13
Davis, 24 & earlier	A- 6	A- 16
Dodge	A- 3	A- 13
Durant	A- 1	A- 11
Elcar	A- 3	A- 13
Essex	A- 4	A- 14
Flint	A-10	A-110
Ford, Perfection Axle	A- 3	A- 13
Franklin	A- 5	A- 15
Gardner	A- 5	A- 15
Gray	A- 3	A- 13
Haynes	A- 6	A- 16
H. C. S. to 23	A- 7	A- 17
Hudson Super Six	A- 4	A- 14
Hupmobile Four	A- 2	A- 12
Hupmobile Six	A-15	A-115
Hupmobile-Eight	A-11	A-111
Jewett, 23 and earlier	A- 6	A- 16
Jewett, 24 and later	A- 3	A- 13
Jordan Six	A- 5	A- 15
Jordan Line 8	A- 3	A- 13
Jordan Gt. Line 8	A-10	A-110
Kissel Kar, 22 and Sport	A- 7	A- 17
Kissel Kar Six	A- 3	A- 13
Kissel Kar Str. 8	A- 3	A- 13
Lincoln	A- 3	A- 13
Lexington	A- 7	A- 17
Locomobile 48	A- 6	A- 16
Locomobile Jr. 8	A-11	A-111
Marmon	A- 5	A- 15
Maxwell	A- 2	A- 12
McFarlan Str. 8	A- 3	A- 13
McFarlan Big Six	A- 2	A- 12
McFarlan Small 6	A- 3	A- 13
Moon, 25 and later	A- 3	A- 13
Moon, 6-40, 23	A- 6	A- 16
Moon, 6-58, 24	A- 2	A- 12
Nash	A- 3	A- 13
Oakland, 23 and earlier	A- 1	A- 11
Oakland, 24 and later	A- 3	A- 13
Oldsmobile Eight	A- 1	A- 11
Oldsmobile Six	A- 3	A- 13
Overland	A- 3	A- 13
Packard, 6 and 8	A- 7	A- 17
Packard, 12 Cyl	A-16	A-116
Paige, 23 and earlier	A- 6	A- 16
Paige, 24 and later	A- 3	A- 13
Peerless 6-72	A- 2	A- 12
Peerless 6-80	A-14	A-114
Pierce Arrow Big Six	A- 5	A- 15
Pierce Arrow Little Six	A- 2	A- 12
R. & V. Knight	A- 2	A- 12
Reo	A- 2	A- 12
Rickenbacker Six	A- 6	A- 16
Rickenbacker Eight	A- 3	A- 13
Roamer	A- 6	A- 16
Rollin	A-10	A-110
Star	A-11	A-111
Stearns - Knight 24	A- 1	A- 11
Stephens, 23	A- 5	A- 15
Studebaker, 25 and later	A- 9	A- 19
Studebaker, 24 and earlier	A- 8	A- 18
Stutz	A- 3	A- 13
Velie	A-11	A-111
Wills St Claire	A- 3	A- 13
Willys-Knight	A- 3	A- 13

Keystone Heavy Duty Toys Equipped With Rubber Tires

MOVING VAN

(Mfr's No. 58). **Covered Body Truck** in very elaborate red color made to appear like real Moving Vans. A real substantial look with key for full paneled doors in the rear. Plenty of room for doll house furniture, etc. Van is 26½ inches long, 11½ inches high, 7½ inches wide. Packed each in carton.

No. 82N53. Each..... 4.20

U. S. MAIL TRUCK

(Mfr's No. 45). **Covered body with heavy grill work** that enables you to see the load contained therein. Rear doors fit tightly and can be fastened with substantial lock and key that is provided. Each truck is equipped with mail bags and has an enameled olive drab green body as is used by the United States Government. 26 inches long, 10½ inches high and 7½ inches wide. Packed each in carton

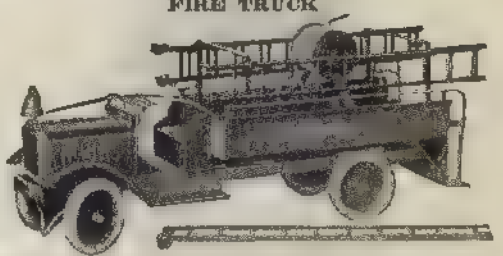
No. 82N52. Each 4.50

SPRINKLER TANK

(Mfr's No. 53). **The tank on the Keystone Chassis** is extra large, measuring 5½ inches by 12 inches. The water actually sprays and does not just drip down. The tank will hold 4 quarts of water and has a large brass valve faucet. The improved sprinkling arrangement hooks on to the back of the chassis in a very simple manner. Tank is made of heavy perforated curved brass tube with enameled green steel hangers and machine is 25½ inches long, 10½ inches high. Packed each in carton.

No. 82N56. Each..... 4.80

FIRE TRUCK



(Mfr's No. 48). **Equipped with 4 extension ladders,** extra large hose reel with 20 feet of non-curling hose cord with a heavy brass screw machined nozzle and coupling. Has brass railing in front and sides. Bracket on rear foot step allows extending of the ladders 5 feet, 6 inches high. Swinging brass bell on front. The truck has red enameled finish. Is 27½ inches long, 11 inches high and 8½ inches wide. Packed each in carton

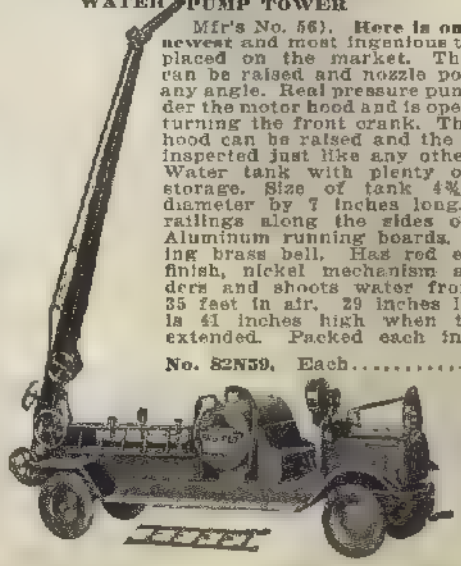
No. 82N54. Each 5.40

CHEMICAL PUMP ENGINE

(Mfr's No. 57) **Real pressure pump** is under the motor hood which can be raised and is operated by turning the crank and will shoot water from 20 to 35 feet in air. Real rubber hose with brass nozzle. Extension ladders that will attain a height of 5½ feet. Brass railings along the sides of truck to the back step. Water tank with brass connection. Size of tank 4¾ inches diameter by 7 inches long. Swinging brass bell on front. Engine is 27½ inches long, 10¾ inches high and 8½ inches wide. Has red enameled finish. Packed each in carton.

No. 82N60. Each..... 7.20

WATER PUMP TOWER



Mfr's No. 56). **Here is one of the newest** and most ingenious toys ever placed on the market. The tower can be raised and nozzle pointed at any angle. Real pressure pump is under the motor hood and is operated by turning the front crank. The motor hood can be raised and the "motor" inspected just like any other truck. Water tank with plenty of water storage. Size of tank 4¾ inches diameter by 7 inches long. Brass railings along the sides of truck. Aluminum running boards. Swinging brass bell. Has red enameled finish, nickel mechanism and ladders and shoots water from 20 to 35 feet in air. 29 inches long and is 41 inches high when tower is extended. Packed each in carton.

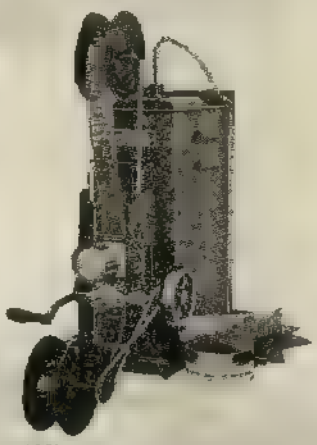
No. 82N59. Each..... 9.00

Keystone Moviegraph

Equipped with a reel of Tom Mix standard gauge non-inflammable movie film. This is a combination machine. Simple to operate. Every machine guaranteed. Just ordinary electric house current and ordinary bulbs are required. Catalog of additional films with every machine together with compartment slides, advertising slide, a supply of tickets, bill posters, usher's arm bands, and a sheet of simple instructions. The machine of steel construction, crystallized leather finish, wooden base with rubber tips on the bottom so that it will not scratch the furniture.

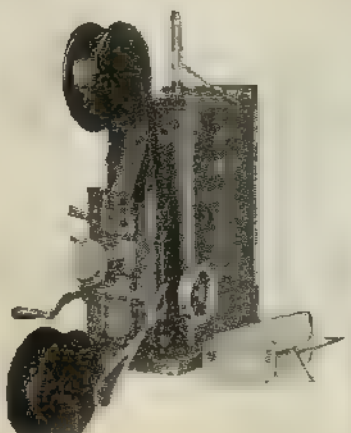
(Mfr's No. 575) **Size 5¾x8¾x10 inches** (exclusive of film spool illustrated). Equipped with 4 ft. new Tom Mix film. Adjustable lens, fixed electric socket, six feet of cord with plug, also play equipment. Packed in carton.

No. 82N80. Each..... 3.35



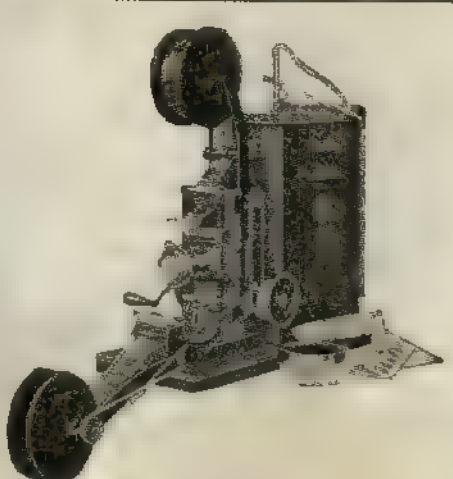
(Mfr's No. 195). **Size 6¾x14¾x19 inches.** Equipped with 10 ft. new Tom Mix film. Adjustable electric light socket. 6 feet of cord with plug, large adjustable lens, nickeled film guide. Each in carton.

No. 82N81. Each..... 6.67



(Mfr's No. 261) **Size 6¾x14¾x19 inches.** Equipped with 37 feet of new Tom Mix film. This reward arrangement will accommodate 200 feet of film. Electric socket adjustable to any size bulbs, geared adjuster on fancy powerful set of lenses, nickeled polished fly wheel, highly polished reflector. Each in carton.

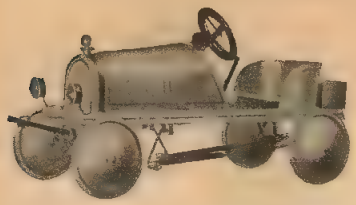
No. 82N82. Each..... 10.00



(Mfr's No. 154). **Size 6¾x14¾x19 inches.** Equipped with 50 feet of new Tom Mix film. This is the best model made by the manufacturer. While this is a toy it is very often purchased by adults for practical use. Has three sprocket barrels, an advance sprocket, a driving sprocket and a take-up sprocket, releasing all tension of the film. The reel arms are a stationary part of the machine and do not need to be assembled. Three high power french lenses, double convex. Highly polished reflector. Nickeled brass pulleys, chains, etc. Will show life size pictures. Each in carton.

No. 82N83. Each..... 16.67

CHILDREN AUTOMOBILES



Body—Length overall 45 in. Wheelbase 32 in.

Finish—Red, striped and decorated in yellow and black. Wheels enameled red.

Equipment—Auto type molded steering wheel with gas control lever. Horn. Instrument board. Motometer. Bumper. License tag. Drum type metal headlights. Hood vents. Gear shift. Trunk. Rubber pedals.

Wheels—10 in. double disc, plain bearings with ¾ in. rubber tires, nickel plated hub caps.

No. M60—Shipping w't each 46 lbs.....each $14.35

ONE IN A CARTON

Body—Length overall 45 in. Wheelbase 32 in. Easy riding springs on rear.

Finish—Tan, striped and decorated in red and black. Wheels enameled red.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Bumper. Metal license plates. Drum type metal headlights with bar. Hood vents. Gear shift. Rubber pedals. Nickel plated radiator shell of beautiful design. Trunk.

Wheels—10 in. double disc, plain bearings, with ¾ in. rubber tires, nickel plated hub caps.

No. M72—Shipping w't each 48 lbs.....each $17.75

ONE IN A CARTON

Body—Length overall 42 in. Wheelbase 30 in.

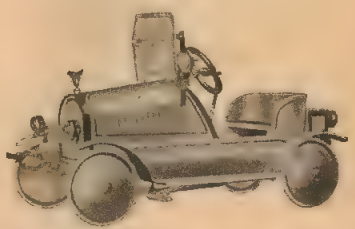
Finish—Red, striped and decorated in yellow and black. Fenders red. Wheels red with green center and yellow stripes.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Bumper. Metal license plates. Drum type metal headlights with bar. Hood vents. Gear shift. One-piece windshield. Upholstered seat. Gas tank. Large rubber pedals. Fenders and tail-light.

Wheels—10 in. double disc, roller bearings with ¾ in. rubber tires, nickel plated hub caps.

No. M57—Shipping w't each 60 lbs.....each $21.35

ONE IN A CRATE



Body—Length overall 45 in. Wheelbase 32 in. Easy riding springs on rear.

Finish—Royal blue, striped and decorated in yellow and black. Fenders black. Wheels red with green center and yellow stripes.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Nickel plated double bumper. Metal license plates. Drum type metal headlights with bar. Hood vents. Gear shift. One-piece windshield. Spotlight. Upholstered seat. Trunk. Large rubber pedals. Fenders and tail-light.

Wheels—10 in. double disc, roller bearings, with ¾ in. rubber tires, nickel plated hub caps.

No. M61—Shipping w't each 70 lbs.....each $24.45

ONE IN A CRATE

CHILDREN AUTOMOBILES

No. M52

Body—Length over all 34 in. Wheelbase 24 in.

Finish—Royal blue, striped and decorated in yellow and black. Wheels enameled red.

Equipment—Auto type wood steering wheel. Motometer. License tag. Rubber pedals.

No. M52—With 10 in. double disc, plain bearing, 1¾ in. rubber tires, nickel plated hub caps, shipping w't each 29 lbs.....each $10.00

No. M052—With 10 in. wire wheels, plain bearing, ¾ in rubber tires, shipping w't each 26 lbs.....each $8.20

ONE IN A CARTON

Body—Length over all 35 in. Wheelbase 24 in.

Finish—Tan, striped and decorated in red and black. Wheels enameled red.

Equipment—Auto type wood steering wheel with gas control lever. Instrument board. Motometer. Bumper. License tag. Metal lamps. Rubber pedals.

Wheels—10 in. double disc, plain bearing, with ¾ in. rubber tires, nickel plated hub caps.

No. M53—Shipping w't each 32 lbs.....each $12 00

ONE IN A CARTON

OUR VERY BEST

Our Very Best for Fifty Years

Has Stood the Test

CHILDREN AUTOMOBILES

Body—Length over all 36 in. Wheelbase 24 in.

Finish—Red, striped and decorated in gold. Wheels enameled red.

Equipment—Auto type wood steering wheel with gas control lever. Bell. Instrument board. Bumper. License plate. Metal lamps. Gear shift. Gas tank. Rubber pedals. Fenders and tail-light.

Wheels—10 in. double disc, roller bearings, with ¾ in. rubber tires, nickel plated hub caps.

No. M69—Shipping w't each 43 lbs.....each $16.20

ONE IN A CRATE

WHEELS FOR COASTER WAGONS

FOR Hibbard ROADSTER

No. D15—10 in. R. B., rubber tired, disc wheels for No. M315 .....each $1.55

FOR Hibbard BALL BEARING COASTER

No. D16—8 in. B. B., rubber tired disc wheels for No. M8905 .....each $1.90

No. D17—10 in. B. B., rubber tired disc wheels for Nos. M8906, M8916 and M8926 .....each $2 20

FOR Hibbard FLYER

No. D20—9 in. R. B., double disc wheels with 1 in. rubber tires for No. M200.....each $1.35

FOR WORLD'S FLYER WAGONS

No. D27—9¼ in. double disc, plain bearing wheels, each $1 45

FOR WORLD FLYER WAGON

No. D28—10 in. double disc, plain bearing wheels for No. M1925 .....each $1.45

FOR Hibbard DE LUXE

No. D30—10 in., double disc rubber tired wheels for No. M1926 .....each $1.90

FOR Hibbard PREMIER

No. D31—10 in., double disc rubber tired wheels for No. M666 .....each $1.90

FOR Hibbard GO GETTER WAGON

No. D40—10 in., double disc rubber tired wheels for No. M100 .....each $155

FOR Hibbard ALL STEEL RACER

No. D50—10 in., double disc rubber tired wheels for No. M500 .....each $1.55

FOR ROLL-A-WAY FLYER WAGON

No. D65—10 in., double disc rubber tired wheels for No. M265 .....each $145

FOR DAN PATCH WAGON

No. D67—10 in., double disc rubber tired wheels for No. M176 .....each $1.00

FOR DAN PATCH STEEL WAGON

No. D70—10 in., double disc rubber tired wheels for No. M17 .....each $1.00

FOR Hibbard HUSTLER WAGONS

No. D72—10 in., double disc, ¾ in., rubber tired wheels for No. M1228.....each $1.45

No. D74—10 in., double disc, 1 in., rubber tired wheels for No. M1434.....each $1.45

FOR BADGER COASTERS

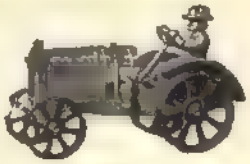
No. D032—8 in., extra heavy metal bearing, round spokes, steel tired .....per dozen $11.65

No. D033—10 in., extra heavy metal bearing, round spokes, steel tired .....per dozen $11.65

Mechanical Dump Truck

Live Stock Delivery Truck

Ice Cream Delivery Truck



Tractor with Driver

The Kilgore Line SELLS—

To boys and girls of all ages. For indoor and outdoor play. In summer and winter. Bright colors—high finish—durable—appealing—year 'round toys. There are many other numbers in the KILGORE Complete Line. Send for literature

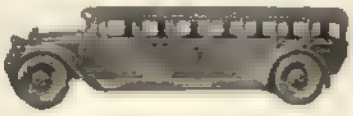
THE KILGORE MANUFACTURING CO.
Division of American Toys, Inc.
Westerville, Ohio, U. S. A.

Permanent New York Sales Office and Display Rooms: Room 418, 5th Ave. Bldg. 200 5th Avenue "The Toy Center" J. WARREN WILEY, Representative

Canadian Representative: ALFORD & COMPANY Northern Ontario Bldg., Toronto, Ont. Shelly Bldg., Vancouver, B. C.

E Z FLY Folding Tailless Kites are produced in a great variety of sizes and colors—made of toughest paper — durable — good looking — Perfect Flyers.

Department Store Delivery Truck



Pierce-Arrow Motor Bus

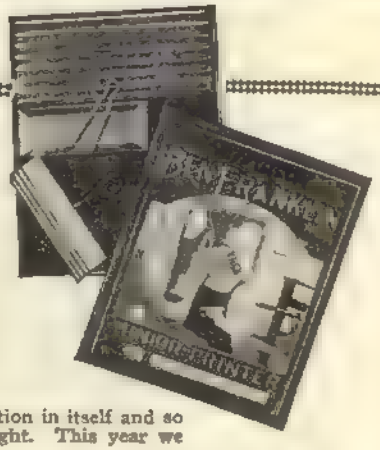
The Invincible Repeater—leader of a complete line of Toy Paper Cap Pistols including the Long Boy Trooper — and many others, both single shot and repeating. Safe and harmless—sell readily

AMERICAN TOYS, INC.

KILGORE

THEY LAST QUITE

THE ARTISTAMP SERIES



FULTON PRINTING TOYS

Each set of these profitable, year 'round sellers is a fascinating education in itself and so attractively packed in beautifully colored boxes that they sell on sight. This year we offer several new numbers that you just can't afford to miss.

Visit Our Permanent New York Showrooms at

200 FIFTH AVENUE, ROOM 457

MR. ARTHUR H. ROSE, Representing

PICTURE MAKERS
1927 Best Sellers
ARTISTAMP SERIES
National Holidays 300A
Farm & Jungle 302A
Yankee Circus 532A
Wild West 541A

Samples promptly sent.

FULTON
SPECIALTY COMPANY
ELIZABETH, N. J

PRINTERS AND SIGN WRITERS
Everyday Sellers

The "Little Brother" Pool Table

Here is something more than a toy—it is a real pool table—a little brother of the table grown-ups play on—it appeals to every youngster who sees it

Dad gets a real kick out of playing with the youngsters on a Little Brother because he can place his shots and make the balls behave just like he does on the big tables.

Keep the balls and cues on a Little Brother table and watch the grown-ups play on it, and they will be quick to buy when you name the low price it sells for.

You'll find that the Little Brother will be the best seller in your toy department.

The Little Brother Pool Table is 19 inches long, 13 inches wide and 4½ inches high It is made of heavy steel—full-finish, coated stock with gold finish lacquer back. It stands on six sturdy legs that will support a weight of more than 75 pounds. The entire top is pressed from a single piece of steel—it has no notched corners to weaken it

A Real Pool Table NOT a Flimsy Toy

Quick Sales Good Profits

The LITTLE BROTHER is an all year round seller. Display creates instant desire to purchase and its low price is within reach of all.

A trial order will convince you.

Prompt shipments now being made

Retails at $1.25

RELIANCE MANUFACTURING & SUPPLY CO.

1407 BRIGHTON ROAD **N. S. PITTSBURGH, PA.**

Furniture Is Not Included.

Wayne Doll House No. 20

Retails @ $2.50

16" high—18" long—12" wide, 6 rooms, stairway and hall closet. Multi-color oil paint finish.

Substantially made to last for years.

Packs in flat carton. 1 dozen in corrugated case. Wgt. 64 lbs.

Wayne Doll House No. 25

Retails @ $1.00

10½" high—12" long—8¼" wide, 4 rooms, stairway and hall closet. Printed in 5 bright colors.

Packs in flat carton. 2 dozen in corrugated case. Wgt. 75 lbs.

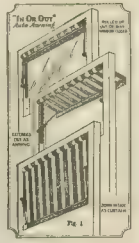
Send for samples now.

WAYNE PAPER GOODS CO., Manufacturers, Ft. Wayne, Ind.

Dunn In or Out Auto Awning and Window Shades

Dunn Mfg. Co.
Clarinda, Iowa

THE above company announces a combination awning and window shade which can be used inside or outside the glass. It is mounted on the inside of the window frame with a black enameled metal fitting. The upper end supports the shade roller, while the lower end carries the offset curtain rod. The shades are made from a heavy striped awning duck in various color combinations with a fringed edge to match. The automatic tension control prevents the awnings from flapping in the wind, yet does not interfere with instantly winding it on the roller. It holds the drawn shade snug against the glass. It lists at $2.50 a curtain



Safe-Turn Signal

Safe Turn Signal Co., Buffalo, N. Y.

THE above company announces the Safe-Turn Signal for signalling the driver's intention of turning, stopping, etc. The signal is fastened to the frame of the windshield under the sun

visor. A touch on a lever in front of the driver causes the arm of the signal to shoot out a sufficient distance to the left so that it can be plainly seen by cars coming from both directions. When it shoots out, it flashes three times and stays lit. The light flashes can be seen clearly in the daytime

Gas Soldering Furnace

Yost Mfg Co., Meadville Pa.

THIS company announces its gas soldering furnace for the garage and battery service station. The inner lining is made of fire brick covered with sheet metal. The adjustable mixers can be regulated so that with the usual

pressure it will consume 92 per cent air and only eight feet of gas per hour. It is made in two sizes, single and double burner. The furnace can be supplied for either natural or manufactured gas and with pipe or hose connection

Porter-Cable Kwicksaw

Porter-Cable Machine Co.
Syracuse, N. Y.

THE product announced by the above company is a light electrically driven hand saw for wood cutting which operates at high speed. It is mounted directly on a special motor armature which runs in two precision ball bearings,

packed in grease. The outfit weighs ten pounds and can be operated with one hand. Standard equipment consists of 10 ft. of rubber covered conductor cable with duplex plug and one 7 in. combination saw which may be used for both ripping and cross cutting.

Ever-Easy Cushion

Motor City Spring Co.
Detroit, Mich.

THE Ever-Easy cushion, manufactured by the above company, is made in a variety of leather and upholstery fabrics and can be had to match the car interior. High grade Marshall springs are used, each spring wrapped in a fabric cell and heavy felt padding on both sides gives remarkable softness. The design and construction prevents packing.

Manley Inside Water Station

Manley Mfg. Co.
York, Pa.

ANNOUNCEMENT is made by the above company of the inside water station which may be attached to a post, a wall or any desirable place in the garage. It does not require special support to bolt it. It provides a clean and practical method of supplying water for radiators. It is equipped with an automatic faucet. Special pulleys take care of the water hose and keep it up out of the way when not in use. Price is $2.50.

De Luxe Radiator Ornaments

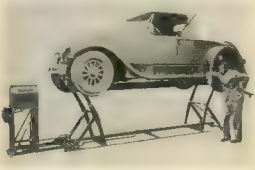
Kingsley - Miller Co., Chicago, Ill.

THE above company announces its new series of de luxe radiator ornaments. They can be used equally well with or without the Moto Meter. The ornaments are in five designs, one being illustrated.

Manley Auto Elevator

Manley Mfg. Co., York, Pa

THIS is an electrically operated, mechanically driven elevator that is said to require a space of only 3 ft. by 17 ft. It raises the car in a vertical plane, the lifting being done at the front and rear axles which rest on two longitudinal rails. The elevator is self-locking in any position even when the electricity is turned off, the operating chain disconnected, or the driveshaft unloosened. The elevator is built throughout of steel. The capacity is 6000 lbs. with a margin of safety. Height in lowest position is 7½ in. and at full height the car is raised to 48 in. Weight approximately 1500 lbs. The open work construction and quick centering of car enable the elevator to be used as a wash rack, and for changing tires, greasing, etc. The drive assembly is completely enclosed and includes a 5 hp. motor available in any voltage. Prices range from $445 for the 60 cycle, 3 or 3 phase A.C., to $560 for the 115, 230 volt D.C. outfit



Williams Start-O-Matic

Williams Bros. Aircraft Corp.
San Francisco, Cal.

THE above company announces its Start-O-Matic which automatically takes care of automatic cranking. The re-cranking feature is under the influence of a feeble current from the generator which releases a small armature allowing a spring to close a circuit to the main switch only when the engine comes to a dead stop, at which point the main switch of the Start-O-Matic comes into action,cranking or re-cranking the engine. If the engine fails to continue its rotation, the operation of cranking is repeated and continues until the engine is running on its own power. The device requires about thirty minutes to install and lists at $9.50.

Jumbo Kleenaire Heater and Ventilator

Price-Hollister Co., Rockford, Ill.

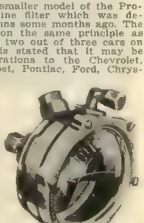
THIS is a combination heater and ventilator and is claimed to be the only air draft type heater that operates successfully on cars equipped with radiator shutters. The heating element is of close grained cast iron guaranteed against cracking and leaking. The control valve is patented and of the duplex type with all moving parts made of bronze. The register unit is cast aluminum and is featured by the cam control, which at the half open position is for heat and full open for ventilation. It is claimed that the heater will not fog windows. Three models fit all cars. The No. 60 fits cars with exhaust pipes of 1¼, 1⅝ and 1½ in. and No. 61 fits cars with pipes up to and including 2¼ in. Both of the models are priced at $10. The No. 65 is a de luxe model with oversize heating element and is priced at $20. The No. 100 is a Twin register sedan type providing one register for front and one for rear compartment and is priced at $20.

Junior Model Protex-A-Motor

Protex-A-Motor Mfg. Co.
Pittston, Penna

THIS is a new and smaller model of the Protex-A-Motor gasoline filter which was described in these columns some months ago. The new model operates on the same principle as the standard and fits two out of three cars on the road today. It is stated that it may be applied without alterations to the Chevrolet, Dodge, Essex, Whippet, Pontiac, Ford, Chrysler "50," Erskine, Flint, Falcon, Maxwell, Oakland, Oldsmobile and Star cars

In the first operation of the filtering circuit the fuel comes in contact with a deflector which breaks up the heavier-than-gas water particles which drop into the sump by the force of gravity. The gas then passes on into the separating chamber. Here it is strained through a fine screen which is set at an angle, after which it is filtered through a chamois and allowed to enter the vacuum tank.



Jumbo Tow Cable

Price-Hollister Co.
Rockford, Ill.

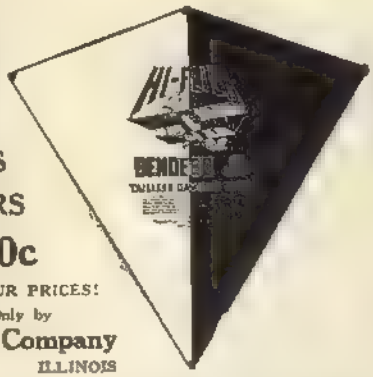
THE above firm announce a tow cable guaranteed to pull 5 tons. The cable has a double line at each end for fastening and is provided with patented non-slip malleable iron cable hooks. A rubber chafing guard or covering at each end protects the car and three wire clips keep the cable in a neat coil when not in use. The over-all length of the tow cable is 15 ft and the material used in construction is a high grade steel. List price is $3.50.

KITES

BIG VALUES
LOW PRICES
SURE FLYERS

5c and 10c

JOBBERS! GET OUR PRICES!
Manufactured Only by
The Hi-Flier Company
DECATUR ILLINOIS



Tinsel Products

Garlands, Cord
Ribbons, Thread
Novelties

Highest Quality
Attractive, Compact Packages

THE LEONIC COMPANY
FORT WAYNE, INDIANA

IN THE SPOTLIGHT OF THE
TOY WORLD!

TOY CORPORATION of AMERICA
Toy, Nursery and Juvenile Furniture

Kaufman, Levenson & Co.
7 EAST 17th STREET, NEW YORK
FACTORY: APPLETON, WIS.

Building More Profits for You

Another National
Advertising Campaign
Starts in March to
Create Summer Sales for
THE NEW RUBBER SOLE

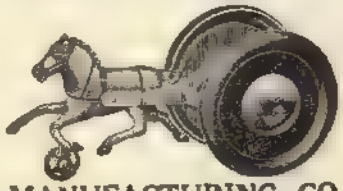
KANGRU-SPRINGSHU

(Kangaroo Springshoes)

Write Today for Full Details
LITTLEFIELD MFG. CO., 702 N. Halsted St., CHICAGO

TOYS WITH BELLS ON

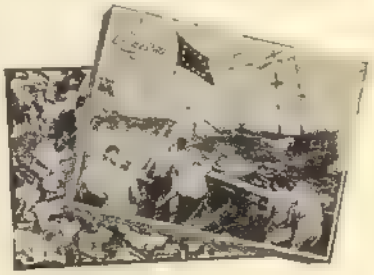
CHIMES, REINS, RATTLES
JUMP ROPES, BABY LEADERS
CARNIVAL HATS, SHAKERS
WHEELBARROWS



N. Y. Salesroom
566 Fifth Ave.

THE KIRBY MANUFACTURING CO.
153 HUBBARD STREET MIDDLETOWN, CONN.

INCREASE
YOUR
SALES
WITH
PICTURE
PUZZLES



Write for Catalog

Madmar Quality Co., Utica, N. Y.

At The Sixth Annual Gift Show,
August 1st to 6th

Our Line Will Be Shown by
THE CHICAGO TOY HOUSE
Rooms 617-A and 618-A, Stevens Hotel

The following well-known jobbers represent us in the Mid-West.

CHICAGO:—A. C. McClurg & Co., Carson-Pirie-Scott & Co., Chicago Toy House, L. Gould & Co.
DULUTH, MINN.—Marshall-Wells Co.
FT. WAYNE, IND.—Fred D. Bell Co.

LA VELLE MFG. CO.
NEW HAVEN, CONN.

KING
AIR RIFLES and POP-GUNS

No. 25 King Rapid Fire Pop-Gun makes a hit with boys because its rapid pump action sounds like a real machine gun. No flying corks. Safe, reliable, well made. Twenty-seven inches long. Retails at $1.00. Write your jobber.

The Markham Air Rifle Co., Plymouth, Mich.

LINEN BOOKS

We are pleased to announce a line of Linen Books that are entirely different from any line ever made. Lithographed in full colors on every page.

Fourteen numbers to sell at

35c, 50c and $1.00

Send for Catalog and Sample.

PLATT & MUNK CO. Inc.
200 Fifth Ave., New York

STEELCRAFT

ALL STEEL

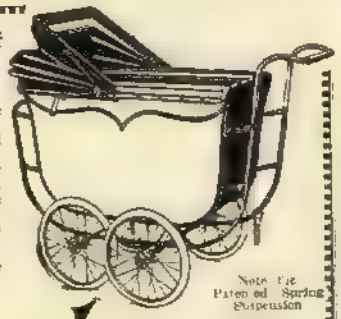
Juvenile Automobiles
Airplanes—Scooters
Coaster Wagons—Pull Toys

THE MURRAY-OHIO MFG. CO.
CLEVELAND, OHIO

New Marmets at New Prices

Easily within the buying range of the thousands who have always wanted the beauty and utility found only in the Genuine Imported Marmet. Our new models are selling at n leading stores everywhere. Be the first in your town to show these incomparable English Made Coaches.

Catalog and Details Promptly Sent



Note the Patented Spring Suspension

Marmet
NEEDS HANDS TO STEER—THATS ALL
BABY CARRIAGES

F. D. TRYON
Exclusive U. S. Sales Agent
6 East 39th Street
New York

"CHARLOTTE" DOLLS

AND

National French Animals

"CHARLOTTE" DOLLS offer one of the market's finest lines featuring slim body dolls with wigs, moving eyes and dainty costumes.

National French Fancy Novelty Co.
Factory: 2858 Pitkin Ave., Brooklyn, N. Y.
Salesrooms: 215 4th Ave., New York

Exquisite Beauties To Brighten Your Doll Dep't

Nothing in all Dolldom can compare with them. Many popular-priced numbers. Shipments from our N. Y. stock. Write for catalog No. 12.

MESSINA-VAT
58 West 45th St., New York
Other N. Y. C. Display Rooms:
Bush Terminal Sales Bldg., 8th Floor;
130 W. 42nd St.

ITALIAN DOLLS
MADE IN TORINO, ITALY

MASKS

"Let us be known by our Quality"

Luloups
Gauze Masks
Curtain Masks

Wigs
Beards
Moustaches

Hoodwinks, Mask Fasteners, Grease Paints

NEWARK MASK CO., Inc.
272 Ellis Avenue IRVINGTON, N. J.

MODERN DOLLS

WALKING TALKING SLEEPING

Wide Assortment of Styles, Embracing New Numbers of High Quality. Experienced Doll Buyers Know What Modern Quality Means—And That We Always Have Some Exclusive Features for the Jobbing Trade.

Modern Doll Co., Inc.
288 Stone Avenue, Brooklyn, N. Y.

SILK PLUSH
ANIMALS
of Every Variety

A high grade, popular priced line for Jobbers and Dealers.

Samples on Request

NEW YORK STUFFED TOY CO.
162 Wooster Street New York, N. Y.

Our NEW *IMPROVED* KITCHEN CABINETS

★ READ THESE * FEATURES! *Exactly the same as a famous advertised brand—we leave off the brand and LOWER the prices! *Genuine INDIANA oak, NORTHERN built. *Joints mortised and tenoned. *Doors and drawers finished inside; dustlip (dust-tight) construction. *Refrigerator style hardware with mirror finish polish. *3-Ply panel backs—do not check or warp. *Rounded corners and edges. *The finest cabinet work we have seen anywhere at prices so low!

Utility Cabinet

Wonderful storage place for all kinds of kitchen and household utensils.

Interior White Enameled—Solid oak, [illegible] high base [illegible] for [illegible] opening [illegible] Each [illegible]

P2783—Golden glass finish ..... Each **$16.50**

P2784—White enameled exterior ..... Each **17.50**

20x24 Base—Porcelain Top—Two Finishes

SIZE [illegible] high. Base 20x24 in.

MATERIAL—Solid INDIANA oak.

FEATURES—Genuine porcelain sliding top, stationary metal flour bin with [illegible] sugar bin with lid [illegible] special grip for [illegible] block, sliding handled bread board, [illegible] drawer [illegible] dovetailed [illegible] dustproof construction.

EQUIPMENT—[illegible] jars, 1 tea and 1 coffee canister.

P2785—[illegible] ..... Each **$23.00**

P2786—White enameled inside and outside. Crated, 240 lbs. ..... Each **$25.50**

26x40 Inch Base—Porcelain Top—Two Finishes

SIZE—[illegible] high. Base 26x40 in.

MATERIAL—Solid INDIANA oak.

FEATURES—Genuine porcelain sliding top, flour metal flour bin with sifter [illegible] bread board drop [illegible] bread [illegible] block, metal [illegible] sliding [illegible] dustproof [illegible] dovetailed [illegible] dustproof casters.

EQUIPMENT—[illegible] jars, one tea and one coffee canister, [illegible] and [illegible] bottle.

P2788—Golden glass finish. Each [illegible] Crated, 340 lbs. Each **$29.50**

P2789—White enameled inside and outside. Crated, 340 lbs. ..... Each **32.50**

26x40 Base—Porcelain Top—Two Finishes

SIZE—70 in. high. Base 26x40 in.

MATERIAL—Solid INDIANA oak.

FEATURES—Genuine porcelain sliding top, [illegible] white enameled [illegible] flour bin with [illegible] sugar bin with [illegible] special bracket and [illegible] for [illegible] grinder, [illegible] bread board, [illegible] cake and bread drawer with [illegible] metal [illegible] and [illegible] drawer with [illegible] white enameled [illegible] tray and [illegible] bottle shelf and [illegible] [illegible] [illegible]

6 WALL ICE PALACE

All Our Refrigerators are Made in Grand Rapids in America's Largest Refrigerator Factory

White Enameled Galvanized Steel Lined

Selected materials used throughout, have perfect insulation, constructed according to the best established principles of refrigeration. Wool felt and asphalted felt insulation.

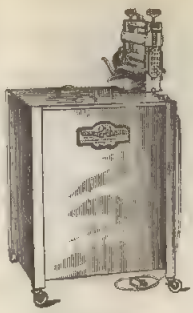
WARNING — *About Capacities*

DO NOT be misled by [illegible] frequently quoted by others. When describing their refrigerators [illegible] cubic [illegible] to 250 to 400 MORE than we do. [illegible] capacity [illegible] [illegible] [illegible]

WASHING MACHINES

O. K. ELECTRIC

Cabinet Washer



CYLINDER—Eight-sheet capacity; made entirely of hard maple. The clothes are contained in the cylinder, and do not come in contact with any metal parts; therefore no danger from rust or corrosion.
CYLINDER ACTION—Cylinder reverses itself at each complete revolution, which gives the best washing action known to the cylinder type washer. Keeps the clothes constantly in motion, without wadding or twisting.
WRINGER—May be adjusted to any desired position; has twelve-inch rolls.
MOTOR—One-quarter H. P., which supplies abundance of power to operate both wringer and washer at the same time.
DRIVING MECHANISM—Gears machine cut, which insures long service without noise; tooled bearings, which insure perfect fit. Entire driving mechanism is mounted on a solid metal base which is set into the frame. There is no possibility of the mechanism getting out of alignment should machine be set on an uneven floor.
BELT DRIVE—Drives direct from motor to driving pulley, with adjustment on motor base for belt tension.
SPECIAL SAFETY DEVICE—This machine cannot be started until the door of the cabinet is closed. When door is opened machine will stop.

		Each
No. OK9	Heavy Galvanized Tub	
No. OK10	Heavy Copper Tub, Tinned	

High Speed Vacuum

Tub Made of Louisiana Red Cypress, Grooved, Dovetailed and Glued Bottoms. Double Reinforced Lid. All Natural Finish.

Rotary Movement, occasioned by the practically Frictionless Application of the Ball and Socket Swivel Joint attached to the Gear Drive Centering Direct on Vacuum Cup Driving Shaft which by means of Attachment, Simultaneously gives the Vertical, as well as the Spiral Rotary Movement to the Vacuum Cup.

The Automatic Action of the Air Valve, produces the greatest Cleansing Force, which reaches to the Bottom of the Tub, as well as the Extreme Outer Edges. The Direct Drive Power Applied by Operating Lever to Vacuum Cup Driving Shaft Works with Ease. Handle is Adjustable to suit convenience of Operator.

All gears and Working Parts protected.

Flat Fly Wheel Surface Permits Hand Machine Convertible to Belt Power Drive.

Each

No. H.S.V. . . . . .

REGAL

Simple Gearing Construction. Carefully Machined Working Parts Operating Lever Provided with Two Sockets. Can be Operated Either Standing or Sitting. Gear at Top of Dolly Post Fully Protected. Non-tearing Dasher or Agitator. Selected Louisiana Red Cypress, Natural Finish Tub. Hardwood Legs, Bolted to the Chime of Tub. Firmly Braced and Reinforced by Steel Rods. Wringer-board Held in Place by two Heavy Galvanized Bolts. Heavy Two-ply Overlapping Lid. Tub Trimmings Galvanized.

Each

No. 1025 . . . . . .

One in a crate

WATER QUEEN

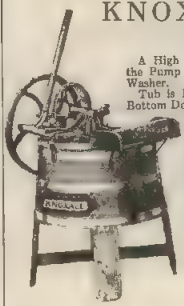
Dolly Type Washer. Substantially Built. Tub is Made of Selected Louisiana Red Cypress, Thoroughly Seasoned. Bottom and Sides of Tub are Corrugated. Solid Stave Legs. Braced Wringer Box. Lid Clamp.

Piston Type Water Motor. Compact—Efficient—Operates the Wringer in Most Direct Way Possible.

Each

No. W.Q. . . . . .

KNOXALL



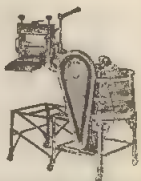
A High Grade Hand Washer, that Combines the Pump Handle Type and the Upright Lever Washer.

Tub is Made of Louisiana Cypress, Top also Bottom Dove Tailed Together, Sides and Bottoms Corrugated. Lid of Double Thickness. Solid Stave Legs. Special Designed Gears Permit Operator to Exert an Enormous Leverage with Little Effort. Fly Wheel Provided with Two Ball Bearings. Braced Wringer Box. Lid Clamp.

Each

No. O.K.K. . . . . .

BLACKSTONE ELECTRIC



Best Selected Stock Tub, Built with 2 Ply Large Overlapping Cover. Reversible Swinging Wringer, Supplied with Cog Wheel Shields and a Patent Release Which Takes Pressure Off Rolls. Safety Dasher Prevents Tearing Clothes. Steel Bench with Folding Extension Rack for Extra Tub or Clothes Basket. Cut Gears Eliminate Noise. Drain has Threaded Connection for Garden Hose. Inclosed Motor, Fitted with Electric Cord and Socket that Can be Screwed to Any Electric Light Socket. Tub Capacity, 22 Gallons. Dimensions, 23 Ins. at Bottom, 21¾ Ins. at Top. 11 Ins. Deep.

Each

No. 1901 . . . . . .

One in a crate

Rotarex Electric Clothes Washers

The ROTAREX Quickly Does a Washing, and Does it Beautifully, Carefully and without the Slightest Wear or Harm to Even the Most Dainty Things. The ROTAREX Cylinder (patented) is All-Aluminum, Light in Weight, and Full Eight-sheet Capacity.

The Washing is Done on a Smooth, One-piece, Silvery Surface. There are no Holes Upon Which the Clothes Fumble and Wear. There are No Wooden Ribs to Splinter and Warp. There is Only an Aluminum Surface Upon which the Clothes are Lifted, Dipped and Turned Without the Slightest Wear or Injury to Even the Finest Fabrics.

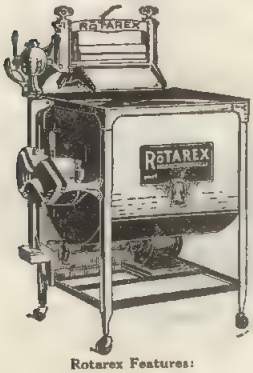
Most Washing Machines Depend Entirely on the Action of the Water to Wash the Clothes In the ROTAREX there is an Unexcelled Water Action, and in Addition, the Clothes are Lifted, Dipped and Turned, the Same as by Hand Washing. This Principle Does Beautiful Washings and is the Easiest Method on Clothes. Dainty and Fragile Laces, Curtains and Other Like Materials are as Safely Washed in the Rotarex as When Carefully Done by Hand.

Both Ends of the Cylinder are Made of Cast Aluminum, light and Durable. The Ends are Perforated to Give an Advantage Found Only in the ROTAREX. The Holes in the Ends of the Cylinder Permit the Dirt that is Washed Out of the Clothes to be Washed Out of the Cylinder That is Why the ROTAREX is the Only Washer that Does Not Wash the Dirt Back and Forth Through the Clothes.

Speed! Capacity! Speed Depends on Capacity The Big Capacity of the ROTAREX Cylinder Makes it Safe and Thorough and Fast Because it Washes a Big Tubful of Clothes Carefully in a Very Short Time It Must be Remembered that what is a Comfortable 15 Minute Cylinder Load to the ROTAREX is Two or Three Loads to the Small Capacity Washer. No Hurry, No Flurry, No Worry, and No Wear on Either the Clothes or the Machine. Just a Delightful, Easy to Get Along with, Everlasting Electrical Servant, that Finishes the Washing Early Every Monday Morning—that is the ROTAREX.

ROTAREX WASHER

COPPER TUB



All Aluminum Cylinder 8 Sheet Capacity

Rotarex Features:

TUB—The Tub is Made of Heavy Copper Nickel-Plated on the Inside. No Bolts or Rivets on Inside Every Drop of Water Can be Drained Through the Non-Rusting Liberty Silver Drain Faucet Brass Water Line.

SWITCH Waterproof, Marine Type Switch. Placed in Handy Position on Side of Machine.

CONTROL LEVERS—All Constructed of Non-Rusting, Non-Tarnishing Liberty Silver

WORKING PARTS—All Gears and Working Parts are Enclosed.

WIRING—Lead Covered for Insulation.

MOTOR—Direct Drive. ¾ H. P. Capacity for 100% Overload. The Motor is Manufactured in the Big Apex—Rotarex Motor Plant. Can be Reached by Removing Spring Held Panel.

AUTOMATIC CLUTCH—Disengages Gears when Machine is Overloaded

FRAME—Welded Angle Steel Frame. As Strong and as Durable as a Solid Piece of Steel

CASTINGS—Aluminum.

CASTERS—Extra Large and Strong. Brass Bearings Will Not Rust or Stick.

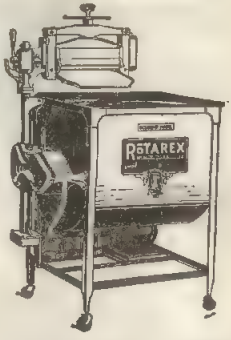
List Each

No. 100.....$155.00

One in a Crate, Weight 259 Lbs.

ECONOMY ROTAREX WASHER

GALVANIZED IRON TUB



Economy Rotarex Features:

TUB—The Tub is Built of Armco Ingot Iron. Durable and Rust-Proof. Inside Free from Bolts, Rivets, Etc., as is the Copper Tube Brass Water Line.

WRINGER—Specially Constructed All Metal Wringer. Wrings in Either Direction and Operates in Five Different Positions.

DRAIN—Water is Drained Out of Tub Through a Drain Hose, Unhooking the Hose and Lowering it Permits the Water to Run Quickly Off.

DIRECT CONNECTION—The Motor Cord Connects Directly to the Lamp Socket Motor Controlled by Switch at Lamp Socket

OTHER FEATURES—Except for the Above Differences the Economy Model is the Same as the Higher Priced Copper Model.

List Each

No. 110.....$119.00

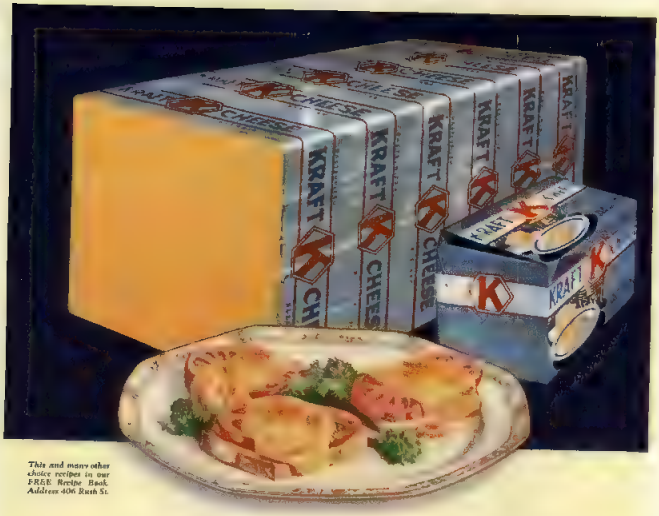
One in a Crate, Weight 239 Lbs.

Four Color Process Plates—133 Line Screen

GATHERING OF THE CLANS

A Calendar Illustration

Painting by BARNES-CROSBY ART STUDIO *Engraved by* BARNES-CROSBY COMPANY, Chicago



This and many other choice recipes in our FREE Recipe Book. Address 406 Rush St.

Dainty Luncheons

Milani's

Remember that name. It is the trade name of a most wonderful French Dressing and one spoonful of Kraft Milani has more of that exclusive, elusive, piquant French dressing-ness, that smooth, ever-almost creamy consistency that is most appetizing. No vegetable salad or cold meat is quite delicious enough if served without you well-known means, Milani's. Your dealer has it

Almost an endless variety of luncheons, both delicate and agreeable to the taste, can be prepared by the efficient use of Kraft Cheese.

Besides being simple, economical, and easily prepared, each dish will possess that singular deliciousness of ripe, mellow cheese that true, unvarying flavor made possible by Kraft.

Kraft Cheese has won such great favor because it is *always* good—its quality is staple.

Not only is it good, but its protein, butterfat, vitamines and mineral salts are good for you.

And when you see the Kraft Label just remember it is our guarantee of this supreme excellence

KRAFT CHEESE COMPANY, *General Offices*, CHICAGO

KRAFT K CHEESE

It Slices . . . . It Cooks . . . . It Keeps

Courtesy Kraft Cheese Company

Four Color Process Plates with Line Negative of Type inserted

MAGAZINE ADVERTISEMENT

Engraved by Barnes-Crosby Company, Chicago

PATENT PROCESS **Lloyd** REG U.S. PAT OFF

LOOM WOVEN FURNITURE

Combining grace, beauty, durability and luxury—AT LOW PRICES. Fiber furniture in the very latest designs and colors. IN STOCK, READY TO SHIP.

Your Trade Will Like These Lloyd Points

They make selling easy and mean satisfied customers.

Woven Trim

Not painted on the surface, but woven permanently into fabric. Correctly placed by a skilled designer to give most pleasing effect.

Fine Strands

Actual size strand compared with reed commonly used.

Wire Centers

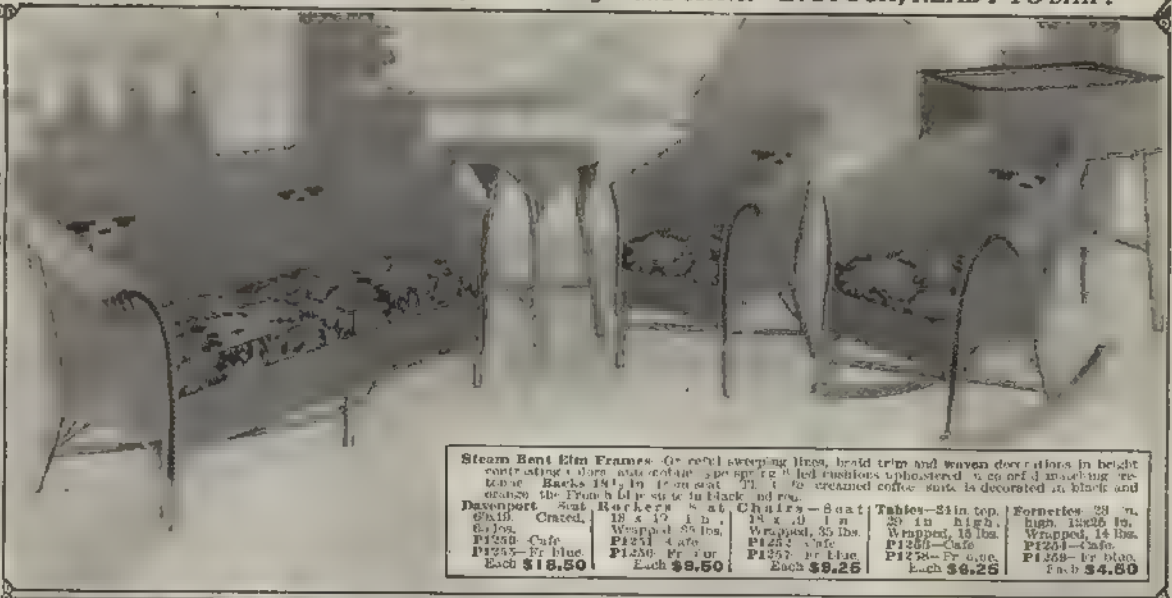
EVERY upright strand has a strong tough wire core flexible for comfort, yet prevents sagging.

Built To Last

LLOYD suites are reinforced internally well braced so they look good when new and keep their good looks.

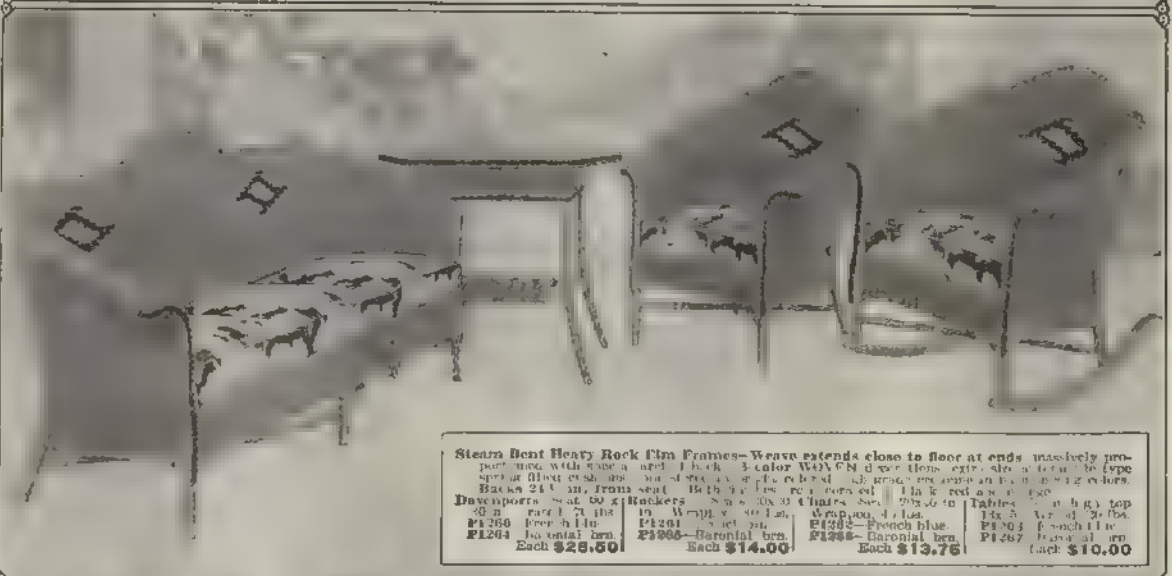
This Loom

—with utmost human ingenuity weaves 30 TIMES FASTER than human hands and does the work better.



Steam Bent Elm Frames—Overall sweeping lines, braid trim and woven decorations in bright contrasting colors, automobile type spring filled cushions upholstered to overall matching tones. Backs 18½ in. from seat. The three creamed coffee suits is decorated in black and orange, the French blue suite in black and rose.

Davenport—Seat 60x19. Crated, 6 lbs.	Rockers—Seat 18 x 17 in. Wrapped, 35 lbs.	Chairs—Seat 18 x 17 in. Wrapped, 35 lbs.	Tables—21 in. top, 20 in. high. Wrapped, 18 lbs.	Fernettes—28 in. high, 19x26 in. Wrapped, 14 lbs.
P1250—Cafe	P1251—Cafe	P1252—Cafe	P1253—Cafe	P1254—Cafe
P1255—French blue.	P1256—French blue.	P1257—French blue.	P1258—French blue.	P1259—French blue.
Each $18.50	Each $9.50	Each $9.25	Each $6.25	Each $4.60



Steam Bent Heavy Rock Elm Frames—Weave extends close to floor at ends, massively proportioned with extra wide back. 3-color WOVEN decorations extra size cushions, spring filled cushions, upholstered to match. Backs 21½ in. from seat. Both davenports and rockers are of extra

Davenports—Seat 60 x 30 in., packed 70 lbs.	Rockers—Seat 30x30 in. Wrapped, 40 lbs.	Chairs—Seat 28x30 in. Wrapped, 40 lbs.	Tables—24 in. high, top 14x 36 in. Wrapped, 30 lbs.
P1260—French blue.	P1261—Cafe	P1262—French blue.	P1263—French blue.
P1264—Horizontal brn.	P1265—Baronial brn.	P1266—Baronial brn.	P1267—Horizontal brn.
Each $28.50	Each $14.00	Each $13.75	Each $10.00

Extra Heavy Steam Bent Rock Elm Frames—Weave extends almost to floor at front, sides and backs, over 1½ in. thick, 3-TONE effects produced exclusively for Butler Brothers, in the form of an ample type spring cushion, wrapped in bright colors. Backs 28 in. from seat. Choice cane & gold, cane & rose gold rod, gray & gold cane & gold in new shapes.

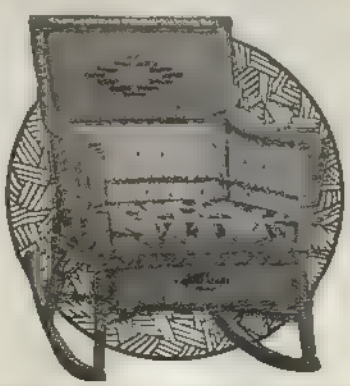
Davenports—Seats 60x 25 x 20 in. Crated, 75 lbs.	Rockers—Seats 30x30 in. Wrapped, 40 lbs.	Chairs—Seats 28x30 in. Wrapped, 40 lbs.	Tables—30 in. high top 24x36 in. Wood, 20 lbs.
P1240—Choc. & gold.	P1241—Choc & gold.	P1242—Choc. & gold.	P1243—Choc & gold.
P1244—Gray & gold.	P1245—Gray & gold.	P1246—Gray & gold.	P1247—Gray & gold.
Each $35.00	Each $18.00	Each $17.75	Each $13.75

ONCE MORE, we are able to announce a greater line of Reed and Fiber Furniture—new designs, greater values and the very latest finishes. Standard construction.

ALL Pieces on THIS Page Shipped IMMEDIATELY from Stock

Reed and

ALL Pieces on THIS Page Shipped IMMEDIATELY from Stock



Our "Leader" Value

We have made many record sales in our reed and fiber furniture but no one item has ever closely approached the volume sales of this number.

Close Woven Fiber

Stout Hardwood Frame—Seat 20x20 in., back 36 in. high, slightly curved, of close woven cane; panel effect back; roll cushion; spring edge seat. Spacious and comfortable. Will stand any reasonable weight. Attractive black enamel finish. Wrapped for shipment.

P1225—Golden brown. Each **$8.75**

FIBER—LOW PRICED!

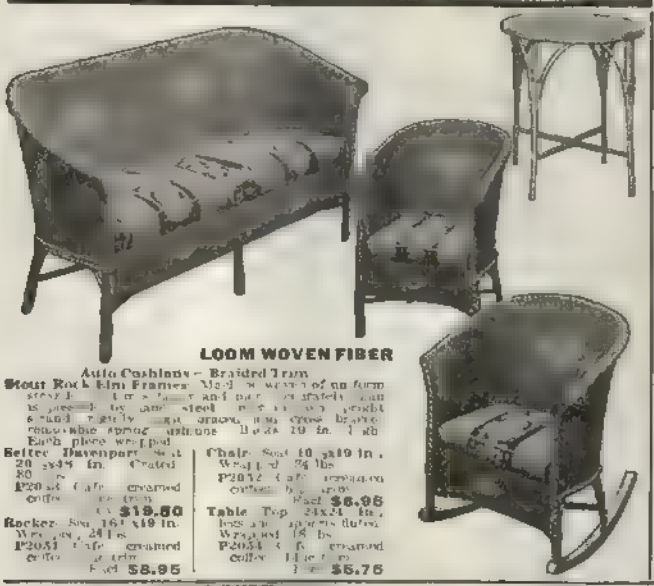
but Strong, Attractive, Comfortable.

Heavy Maple Frames—Standard size seats, rigidly braced. Attractive lattice weave panel and basket weave motif in backs. Flare arms. Backs 34 in. high.

Settee—Seat 20x40 in. Crated 53 lbs.
P744 Golden brown. Each **$12.50**

Rocker—Seat 20x20 in. Wrapped 25 lbs.
P742 Golden brown. Each **$6.75**

Chair—Seat 20x20 in. Wrapped 25 lbs.
P743 Golden brown. Each **$6.75**



LOOM WOVEN FIBER

Auto Cushions—Braided Trim

Stout Rock Elm Frames—Made of weaves of an open mesh. Reed is used and panels are artistically cane inserted by hand. Steel rod is used to reinforce backs and arms, giving great strength and close to bear. Removable spring cushions. Backs 19 in. high. Each piece wrapped.

Settee Davenport—Seat 20 x 34 in. Crated 80 lbs.
P2032 Cane; cream color. Each **$19.80**

Rocker—Seat 16½ x19 in. Wrapping, 20 lbs.
P2033 Cane; cream color. Each **$8.95**

Chair—Seat 16 x19 in. Wrapped 25 lbs.
P2032 Cane; cream color. Each **$6.95**

Table—Top 24x24 in., base with spreading feet. Wrapped 18 lbs.
P2034 Cane; cream color. Each **$5.75**

LOOM WOVEN FIBER

Upholstered Backs. Auto Cushions

Heavy Rock Elm Frames—Very sturdy and closely braced throughout with lattice panels, cane and basket, panel effect back, reeded mahogany cushions. Basket weave doors are at front. Weave extends close to floor. Back 21 in. high.

Davenports—Seats 21x40 in., reed spring.
P1206 Mixed brown
P2037 Cane; mahogany. Each **$26.00**

Rockers—Seats 19x21 in. Wrapped 40 lbs.
P1204 Mixed brown
P2038 Cane; mahogany. Each **$12.00**

Chairs—Seats 19x21 in. Wrapped 40 lbs.
P1210 Mixed brown
P2029 Cane; mahogany. Each **$12.00**

Table—Oak top 18x34 in. Wrapped 40 lbs.
P805 Fumed mahogany. Each **$9.00**

HAND WOVEN FIBER

Auto Cushions. Braided Trim. Massive

Heavy Elm Frames—Large size seats and backs. Panel effect backs of close weave reed with wide open spacing. Oak rod braced arms, extremely well braced. Back 39 in. high.

Davenport—Seat 20x60 in. Wrapped 150 lbs.
P2005 French gray. Each **$33.50**

Rocker—Seat 20x20 in. Wrapped 45 lbs.
P2006—French gray. Each **$13.25**

Chair—Seat 20x20 in. Wrapped 45 lbs.
P2007 French gray. Each **$13.25**

Table—Quartered oak top 30x60 in. Wrapped 80 lbs.
P2009 French gray. Each **$10.00**

LOOM WOVEN FIBER

Padded Backs. Auto Cushions. Braided Trim

Heavy Rock Elm Frames—Very sturdy and closely braced throughout with lattice panels, cane and basket, panel effect backs, reeded mahogany cushions. Basket weave doors are at front. Weave extends close to floor. Cane reinforced spring. Back 21 in. high. Cushions are reversible.

Davenport—Seat 19x40 in. Crated 110 lbs.
P2012 Cane; mahogany. Each **$38.50**

Rocker—Seat 19x21 in. Wrapped 40 lbs.
P2010 Cane; mahogany. Each **$18.50**

Chair—Seat 19x19 in. Wrapped 40 lbs.
P2011 Cane; mahogany. Each **$18.50**

Table—Oak top 36x36 in. Wrapped 60 lbs.
P2015 Cane; mahogany. Each **$15.75**

BATHING SUITS

FLAPPER MODEL

Genuine spring needle knit, ribbed, heavy weight close fitting model. Pure wool and worsted yarns; reinforced double gusset; large neck; narrow shoulder straps. Will not shrink, sag or get out of shape.

Furnished in the following sizes: 34, 36, 38, 40 and 42.

	Per Doz
No. 113P—Purple	$132 00
No. 113N—Navy blue	132 00
No. 113G—Green	132 00
No. 113C—Cardinal	132 00

One in cardboard box.

CALIFORNIA STYLE

Pure worsted elastic ribbed; with belt; round neck; regular arm holes. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 23-2RL—Solid color Pond Lily (Green)	$132 00

One in cardboard box.

CALIFORNIA STYLE

Jacquard figured pure worsted elastic ribbed; round neck; regular arm holes. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 23-4JL—Green and pearl	$148 50

One in cardboard box.

LADIES

Genuine spring needle pure worsted high grade wool suit, attractive skirt stripe; round neck; regular arm holes. In following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 5526BLK—Black, with orange and white stripes	$148 50
No. 5526R—Jockey red with white and kelly stripes	148 50
No. 5526B—Peacock blue with pearl and orange stripes	148 50
No. 5526K Burnt orange with canary and maroon stripes	148 50

One in cardboard box.

NOTE—When ordering be sure to state size wanted.

BATHING SUITS

MEN'S

Genuine spring needle, knit, ribbed. Pure wool and worsted yarns; correctly sized; reinforced double gusset; round neck; low cut arm holes. Fits the body snugly, will not shrink, sag or loose shape. Furnished in the following sizes: 36, 38, 40, 42 and 44.

	Per Doz
No. 4100N—Navy blue	$126 00
No. 4100B—Black	126 00
No. 4100C—Cardinal	126 00
No. 4100G—Green	126 00

One in cardboard box.

MEN'S CALIFORNIA STYLE

Pure wool and worsted yarns with fibre silk chest and skirt stripes.

Furnished in the following sizes; 34, 36, 38, 40 42 and 44.

	Per Doz
No. 2341NC—Navy, with old gold silk chest stripes	$108 00
No. 2332N—Navy, with peacock and cord stripes	108 00
No. 2332B—Black, with orange and Kelly stripes	108 00
No. 2332G—Kelly green, with black and white stripes	108 00

MEN'S ATHLETIC STYLE

Pure wool and worsted yarns; white body with Navy blue trunks and skirt; with belt straps. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 8—Without belt	$126 00

Two in cardboard box; wt per doz 5 lbs.

NOTE—When ordering be sure to state size wanted.

BATHING SUITS

MEN'S

Worsted, with cotton back; one piece suit with attractive skirt stripe; round neck; regular arm holes. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 15016—Oxford, with cerise and golden rod stripes	$88 50
No. 15018—Brown heather with cerise and golden rod stripes	88 50

Two in cardboard box.

CALIFORNIA STYLE
Life Guard.

Pure worsted yarn; round neck, regular arm holes. Furnished in the following sizes: 28, 30, 32, 34 and 36.

	Per Doz
No. 2315—White top, with navy blue skirt and trunks	$85 50

Two in cardboard box; wt per doz 4½ lbs.

GIRLS

Genuine spring needle knit, ribbed. Pure wool and worsted yarns; correctly sized, reinforced double gusset; round neck; regular arm holes. Fits the body snugly, will not shrink, sag or loose shape. Furnished in the following sizes; 28, 30, 32, 34 and 36.

When ordering be sure to state size wanted.

	Per Doz
No. 109N—Navy blue	$108 00
No. 109C—Cardinal	108 00
No. 109B—Black	108 00

One in cardboard box

GIRLS'

Pure wool and worsted yarns; pure fibre silk skirt stripes.
Furnished in sizes 28, 30, 32, 34 and 36.

	Per Doz
No. 2313PC—Peacock, with buff and white stripes	$84 00

NOTE—When ordering be sure to state size wanted.

BATHING SUITS

BOY'S

Genuine spring needle knit, ribbed. Pure wool and worsted yarns; correctly sized, reinforced double gusset; round neck, regular arm holes. Fits the body snugly, will not shrink, sag or loose shape. Furnished in the following sizes; 28, 30, 32, 34 and 36.

When ordering be sure to state size wanted.

	Per Doz
No. 110N—Navy blue	$108 00
No. 110R—Red	108 00
No. 110B—Black	108 00

One in cardboard box

BOY'S

High grade worsted, with cotton back; attractive skirt stripe; round neck; regular arm holes. Furnished in the following sizes: 28, 30, 32, 34 and 36.

	Per Doz
No. 501 FG—French gray, with chinese blue and torreador stripes	$69 00
No. 501A—Autumn with khiva and golden rod stripes.	69 00

Two in cardboard box.

SWIMMING SHIRTS

Pure wool and worsted yarns; V shaped neck; deep arm holes; form fitting. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

	Per Doz
No. 2335W—White	$54 00

Two in cardboard box; wt per doz 4 lbs.

MEN'S
JOCK STRAP STYLE

Pure worsted yarn; V neck; regulation arm holes. Will not work out of pants. Furnished in the following sizes: 34, 36, 38, 40 and 44.

	Per Doz
No. 2337W—White	$63 00

Two in cardboard box; wt per doz 3 lbs.

Note—When ordering be sure to state size wanted.

How

will you Merchandise Wheel Toys this Summer?

8 different models for wheel toys of all kinds.

Will you give wheel toys every opportunity to sell—without giving up to them more display space than they should have?

When the season swings into its stride on golf, tennis, baseball, swimming, camping—all the summer sports—and you need plenty of room to feature seasonable merchandise—you can still give your wheel toys a good chance to swell your profit—if you display them on Lamson Display Racks.

Then, you save two-thirds the floor space ordinarily devoted to them—and display them *better*—get them up where people can *see* them—protect them from damage—make them look *inviting*.

Lamson Display Racks are strong, durable, handsome. Moderate in cost, they will earn good profit over their cost of hire.

Send in the coupon for descriptive booklet and prices.

THE LAMSON COMPANY
Syracuse, N. Y.

THE LAMSON CO.
Syracuse, N. Y.
Please send your descriptive booklet on your Display Racks and quote prices
Name .....
Firm .....
Address .....

LAMSON DISPLAY RACKS

Mention PLAYTHINGS when you write—it identifies you.

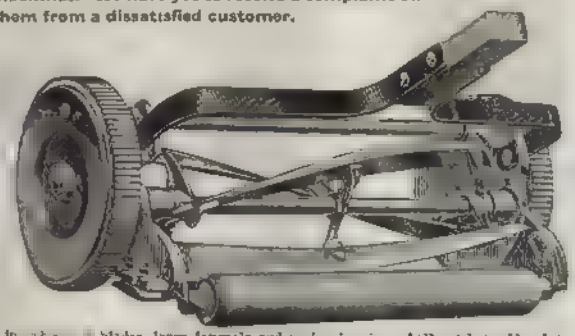
LAWN MOWERS

Several mowers on the market of quality equal to ours sell for twice the money. Other mowers half as good match our prices. **It will pay you to make a comparison for yourself.**

On request with orders for 12 or more lawn mowers, any kind or assorted, your name or store name will be stenciled on handles, without extra charge. On such order, please allow extra time for this stenciling.

"ELECTRIC" BALL RATCHET MOWERS

Unusual value has sold thousands of these machines. We have yet to receive a complaint on them from a dissatisfied customer.



8 in. wheels, 5 blades, large journals and tubular bearings, ball ratchet, side plate adjustment, extra heavy handle and frame, 4 wheel drive, 4 cutting blades. Cuts grass up to 5 in. high. 1 in case, about 30 lbs.

2H7851	10 in. cut	Each	4.95	2H7856—16 in. cut	Each 5.85
2H7852	12 " "	"	5.15	2H7857—18 " "	" 6.50
2H7853	14 " "	"	5.50		

"BELMONT" MOWERS

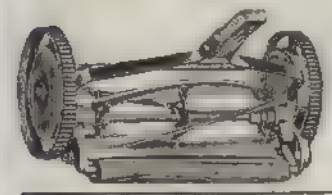
Self-sharpening blades, fitted for grass catcher, hand painted and striped, varnished handles. Adjustable for cutting grass long or short.

"Liberty"—4 in. wheels, 5 blades, steel wheel bearings, side plate adjustment, white body, black and gold trim, weighs 2 to 3 lbs. more than similar types. Cuts grass up to 5 in. high. 1 in case, 44 lbs.

2H7852—14 in. cut. Each Out

"Red Peerless"—9 in. wheels, 4 blades, knife bar, side plate adjustment, white body, black and gold trim. Cuts grass up to 6 in. high. 1 in case, about 48 lbs.

2H7862	10 in. cut	Each	$7.50
2H7863	12 " "	"	8.25
2H7864	14 " "	"	8.50



LIMITED QUANTITY

"Park"—10 in. wheels, 4 blades, adjustable cutter eliminates lateral motion, heavy malleable iron frame, ball bearing, 4 wheel drive, 5 blade reel type. Cuts grass up to 10 in. high. 1 in case, about 55 lbs.

2H9850—18 in. cut Each

"MOHAWK" BALL-BEARING MOWERS

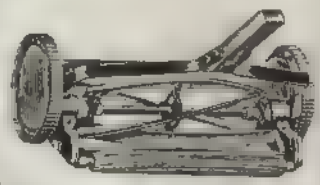
Best quality steel cones, cups and balls, guaranteed not to wear or require adjusting for life of mowers. Self-sharpening blades, fitted for grass catcher, hand painted and striped varnished handles. Adjustable for cutting grass long or short.

"Grass King"—7 in. wheels, 4 cross-cut steel blades, side plate adjustment, oil cups on all bearings, full ball bearing heavy cutter bars, smooth running, quiet, gold bronze finish, red and black trim. Cuts grass up to 7 in. high. 1 in case, about 40 lbs.

2H11042—16 in. cut. Each Out

"Aero"—4 wheels, 6 blades, steel bearings, extra long wheel bearings on cones, silver bronze body, gold bronze cutter, red and black stripes. Cuts grass up to 7 in. high. 1 in case, about 50 lbs.

2H7859	16 in. cut	Each	$11.25
2H7860	18 " "	"	12.00
2H9845	20 " "	"	Out



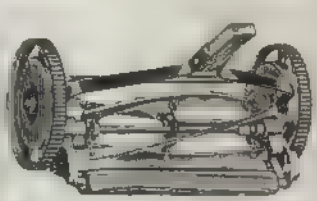
"Superior"—8 in. wheels, 4 blades, ball-bearing cutter, journal heavy bronze bearings, ball bearing gears, oil cups on all, high grade heavy silver and red zinc, 1 in grass up to 6 in. high. 1 in case, about 45 lbs.

2H7486—14 in. cut		Each	Out
2H7487—16 " "		"	8.75
2H7868—18 " "		"	9.00

STAR VALUE

"Majestic"—10 in. wheels, 5 extra heavy blades, triple gears, drives from both ends, extra long wheel base, grooved patented knife bar, automatic ball-bearing drive wheels and reel, white enameled black stripes and gold bronze trim. Cuts grass up to 8 in. high. 1 in case, about 86 lbs.

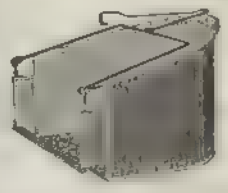
		In cut	Each
2H7872—18	" "	"	17.00
2H7850—20	" "	"	18.00



"Standard"—9 in. wheels, 4 blades, geared gear automatic ball bearing cups and cones, heavy bronze frame, adjustable cutter bar, oil cups on all bearings, tool and screw rod side plate adjustment, ring bronze gears, steel rear roller. Cuts grass up to 10 in. high. 1 in case, about 55 lbs.

2H7851	14 in. cut	Each	$10.25
2H9847	16 " "	"	11.00
2H7870	20 " "	"	12.50

"PERFECTION" GRASS CATCHERS



18 in. deep, heavy white canvas, galvanized iron bottom, special flange to fit over roller, galvanized wire frame and handle, adjustable galvanized steel hooks, wt. 3 lbs. Open stock.

Doz

—Fits 12 to 16 in. mowers

2H5534— " 16 " 20 " " $7.95

POULTRY SUPPLIES

"RELIABLE" OIL HEATED COLONY HOVERS

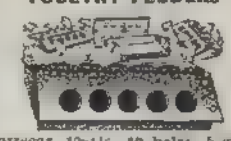
Galvanized steel, with tank, burner, wick, automatic ventilator controls fire. Consumes little oil, saving fuel. 1 in crate, about 100 lbs.

		Capacity	Each
2H8225		500 chicks	$14.75
2H8226—52	"	1,000 "	16.75

RELIABLE "BABY GRAND" INCUBATOR

2H6440—30 eggs, hot air, brown enameled sheet metal, insulated drainage top and side walls, glass door, and moisture regulator, thermometer, and thermostat for maintaining even temperature, wick burner and kerosene tank. 1 in crate, about 100 lbs. Each $8.26

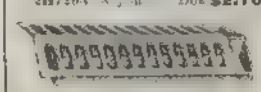
POULTRY FEEDERS



2H8625—10x15, 10 holes, 5 cents each, galvanized steel, 4 doz. to carton. Doz Out

Round, Galvanized steel, removable top, 4 in. mesh for water or milk. 1 doz. in pkg.

5 Holes		
2H6262	5 in.	Doz $1.25
15 Holes		
2H7294	8 in.	Doz $2.10



Moon. Double best quality galvanized iron, accurately stamped, smooth edges. 1 doz. in carton, 16¾ and 23¾ lbs.

	Length		Doz
2H8785	16 in.	20 holes	Out
2H8786	24 "	30 "	Out

CHICK JAR FOUNTS AND FEEDERS

Fit Mason jars (without jar). Can be used for dry food or liquids.

2H3912—Heavy tern plate, rust-resisting. 1 doz. in pkg. Doz Out. 6 doz. in carton. Doz Out

2H9746—Galvanized steel Chick can't get into it. 1 doz. in pkg. Doz 80c

2H7955—Sheet steel, tinned, blue enamel finish. 1 doz. in carton. Doz Out

2H8168—8 holes, galvanized iron. 1 doz. in pkg. Doz $1.33

WHEELBARROWS—TRUCKS

WHEELBARROWS

2H2077—Full size, seasoned wood legs, sides and panel, galvanized tank, 10 cu. ft. crated, 1 in pkg. Each $3.25

2H2040—Full size, heavy steel tray, wood frame and handles, double braced angle iron legs, 15 in. steel wheels. 1 in pkg. Each $4.10

2H2081—"Champion," handle 18½ in. wide, wheel 8 in. at handle, 5 cu. ft. capacity, steel frame, seasoned wood panel, front leg, steel wheel, frame firmly bolted and braced. 1 in pkg. Each $4.95

TRUCKS

2H2000 2H2001

2H2006—"More," 39 in. tubular steel frame, aluminum finish, malleable wheels, capacity 300 lbs., wt. 11 lbs. Each $2.25

2H2001—Seasoned wood frame, 4 ft. handles, 12 in. steel base extends 4 in. length of handle, 17 in. wide at apron, reeded, 3 in. rubber wheels, capacity 400 lbs., 1 in pkg., 21 lbs. Each $5.25

We are ready to assist you on big contracts for these popular bulbs.

FALL PLANTING BULBS

Orders Taken Now to be Shipped About September 15th

Write for special quotations for quantities that run over 1,000 bulbs.

An exceptional business can be worked up on these bulbs if they are properly displayed in your store. You ought to be able to sell a lot of them to your Municipal Government.

1. Grown by the world's largest bulb grower.
2. The stock is of the finest quality.
3. All bulbs guaranteed true to name and to color.
4. In great demand for public parks and grounds.

Tulip, Single Early—100 in bag
2H10584 White.
2H10585 Pink.
2H10586 Red.
2H10587 Yellow.
Per 100 **$2.90**
Per 1000 **22.75**

Tulips, Darwin—100 in bag
2H10588 Red
2H10589 White.
2H10590 Pink.
2H10591 Yellow
2H10592 Lavender
Per 100 **$2.90**
Per 1000 **22.75**

Crocus—60 in bag
2H10683—Mixed
Per 100 **$1.65**
Per 1000 **14.00**

Narcissus, Paperwhite—100 in box
2H10684—Grande Plora
Per 100 **$6.75**
Per 1000 **58.50**

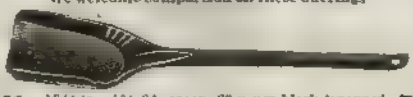
Hyacinth—50 in bag
2H10580 White
2H10581 Blue
2H10582 Pink
2H10583 Red
Per 100 **$8.10**
Per 1000 **72.50**

Jonquils—100 in bag
2H10685 Mixed
Per 100 **$6.75**
Per 1000 **58.50**

STORE SUNDRIES

FIRE SHOVELS

We welcome comparison on these offerings



2H56—18½ in. 4¾x6½ scoop, 20 gauge black japanned steel, round handle. 1 doz. in bdl. ..... Doz **72c**

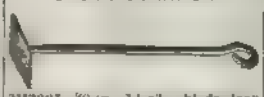
2H256—18½ in. [illegible] scoop, 20 gauge galvanized steel round handle. 1 doz. in bdl. ..... Doz **84c**

STOVE COVER LIFTERS

2H3301 [illegible] copper finish, half round handle. 2 doz. in box. Doz **42c**

2H3006 Arctic, 18½ in. oil tempered spiral cool coiled wire handle. 1 doz. in box. Doz **72c**

STOVE SCRAPER



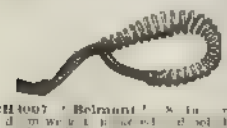
2H2993 20 in. 1¼x1¼ blade loop handle. 1 doz. in box. Doz **45c**

STOVE TRAYS

Heavy gauge steel, hard baked white porcelain finish, smooth edges. ½ doz. in carton.

2H2280—12x24 ..... For 2 burner hot plate. Doz **$6.75**

2H2284—15x20½ ..... For 3 burner hot plate. Doz **$9.00**

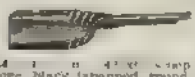


2H4007 "Belmont" 8 in. malleable iron wrought nickeled spiral coil coiled wire bag, one coil. Doz **78c**

STOVE PIPE WIRE

2H2631 20 x 48 in. soft tempered finish, 50 ft. in coil. 1 doz. coils in box. ..... Doz coils **45c**

JAPANNED FIRE SHOVEL



2H54 [illegible] 4½ x 9 scoop, 20 gauge, black japanned, round handle. 1 doz. in bdl. ..... Doz **69c**

EMBOSSED FLUE STOPS

2H9427—8¼ in., brassed tin, embossed landscape center, assorted colors, adjustable steel back spring. Assrtd. 1 doz. in box. Doz **79c**

2H8446—8 in. [illegible] weight tin, embossed enameled finish landscape center, assorted colors, steel spring. Assrtd. 1 doz. in box. Doz **84c**

GREASE ABSORBER

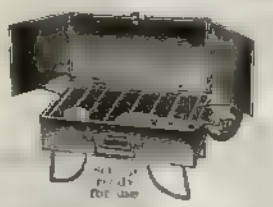
For Gas Stoves

Keeps grease and odors from going into rooms.

2H2603 ..... in., nickel plated steel with steel wire, fits round and oblong collars, each in box. ½ doz. in carton. ..... Doz **$8.00**

CAMP STOVES

"KAMPKOOK" No. 3 GASOLINE CAMP STOVE



Set up ready for use

Folded for carrying

2H8140 "American" [illegible] 3 burner, [illegible] nickeled gasoline tank, folding steel [illegible] cover with folding [illegible] with [illegible] pump, wrench and [illegible] of 3 pieces. Folds up [illegible] space. Looks like [illegible] case. 1 in carton. [illegible] Each **$4.35**

"COLEMAN" GASOLINE CAMP STOVES

Nationally Advertised

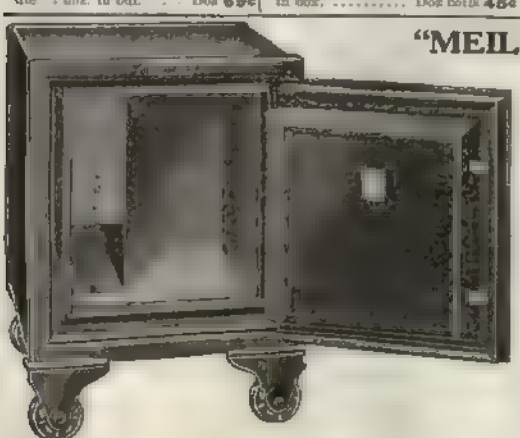
2H8079—18x11x14 in., folded, two 4 in. burners, [illegible] drip pan, removable [illegible] tank, [illegible] for [illegible] of fuel, [illegible] with [illegible] cut-off, [illegible] for [illegible] burner, large [illegible] folding wind baffle. Weight 18 lbs. Each **Out**

Closed for carrying

As set up

2H8080—18x11x14 in., folded, two 4 in. burners, [illegible] drip pan, removable [illegible] tank, [illegible] over 1 qt. gasoline. Double pump [illegible] cooking cabinet, sheet steel windshield [illegible] burners with one filling. Weight 18 lbs. Each **$7.50**

"MEILINK" STEEL STORE SAFE



Fire resistance tested to stand 1850 degrees of heat, as specified by Underwriters [illegible] [illegible] [illegible]

FOOT BALL SHOULDER PADS

RAWLINGS

Best quality white wool felt, reinforced with heavy sole leather over the shoulders and along spine and chest. Shoulder flaps extend well over the shoulder caps which are of moulded sole leather and white wool felt, elastic under the arms, laced back and front with linen lace. Each

No. 17—Wt each 1½ lb. ---------- **$8 10**

One in carton.

Heavy grey wool felt, covered with heavy strap leather that extends over shoulder caps that are moulded to shape. Caps are constructed of strap leather, fibre and grey wool felt, rubber tubing feature covers elastic preventing chafing, special lacing feature. Each

No. 44—Wt each 1 lb ---------- **$10 20**

One in carton.

FOOT BALL PANTS

When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee.

8 ounce olive army duck white felt hip and kidney pads, reinforced with flexible fibre around waist of kidney pad; felt padded back center piece; white felt hip pads; thigh guards inserted in pockets and made of three sections flat fibre covered with canvas, backed with felt. Felt lined moulded sole leather knee caps; adjustable. Double felled and sewn seams throughout. Per Pair

No. 0—Wt per pair about 5 lbs ---------- **$31 50**

One pair in cardboard box.

8 oz olive drab army duck with Notre Dame style hip and kidney pad of heavy grey felt, one piece cushion thigh guard in pocket, grey felt knee pads reinforced with leather, knees in addition are reinforced with chrome tanned leather on outside. Illinois crotch, Notre Dame style legs, close fitting from thigh to knee, 7 tunnel loops with tie strings at waist, leather reinforced at crotch. Per Pair

No. 25—Sizes 28 to 42 in. waist; wt per pair about 3¾ lbs ------ **$23 10**

One pair in cardboard box.

Best quality sage green duck, special light weight felt padding. Notre Dame style, close fitting at knees; kidney and hip pads of best white felt, elastic back with white felt spine protector, reinforced with vertical, flexible fibre pieces, thigh pads, four pieces flexible fibre, padded, adjusted to the proper place and sewed in thigh of pants; knee pads grey felt, reinforced with leather knee piece; kidney, hip, thigh and knee pads so adjusted as to make pads all connected without any open spaces; fly front, cut high; leather reinforcement at crotch and bottom of fly; belt loops in front with tunnel belt loop in back; kidney pad sewn to pants at waist. Per Pair

No. GV—Sizes 28 to 42 in. waist; wt per pair about 3 lbs.. **$17 70**

One pair in cardboard box.

F. O. B. Missouri Factory Only.

FOOT BALL PANTS

Best quality 8 ounce olive color duck, kidney pads gray felt covered with 8 oz olive duck; grey felt hip pads; three piece flat fibre reinforced thigh guards, with quilted inside stuffed knee pads. Per Pair

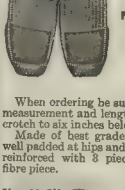
No. 5—Sizes 28 to 42 in. waist; wt per pair about 2¾ lbs..... **$13 20**

One pair in cardboard box.

8 ounce olive color, duck. Kidney pads gray felt covered with 8 ounce olive duck. Hips well quilted, with mattress felt, in pocket of drill. Padding will not shift. Three piece flat fibre reinforced thigh guards with knees padded like hips. Per Pair

No. 4—Sizes 28 to 42 in waists.. **$11 55**

One pair in cardboard box.



When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee. Per Pair

No. 3½ T—Men's tan drill, padded hips and knees, canet high guards **$7 50**

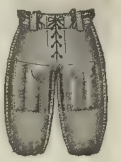
One pair in cardboard box.

When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee.

Made of best grade tan khaki cloth; well padded at hips and knees; thigh pads reinforced with 8 piece curved flexible fibre piece. Per Pair

No. 12-0K—Wt per pair about 5 lbs ---------- **$8 70**

One pair in cardboard box.



FOOT BALL SHOES

Special selected black tanned stock; one piece leather inner sole; brown arrangement of cleats; ankle pads. When ordering be sure to specify size. Per Pair

No. 409L—Sizes 6, 7, 8, 9 and 10 **$15 00**

One pair in cardboard box; wt 2 lbs.

F. O. B. Missouri Factory Only.

FOOT BALL GOODS

HEAD HELMETS

Brown leather, lined and padded with best white felt, thoroughly ventilated. Elastic chin strap. Extra long in back to protect base of brain. Adjustable.

Per Doz

No. 2—Wt per doz 10½ lbs **$70 50**

One in cardboard box.

HEAD HARNESS

Brown grain leather, well padded with felt and thoroughly ventilated; elastic chin strap. The best on the market at the price; adjustable.

Per Doz

No. 4—Wt per doz 9 lbs **$55 50**

One in cardboard box.

REFEREE'S WHISTLES

Nickel plated heavy metal whistle for basket ball, foot ball, etc.

Per Doz

No. PW—Wt per doz ¾ lb **$13 20**

One doz in cardboard box.

RAWLINGS' SUPPORTERS
All Elastic.

Made from specially woven fabric of best grade Egyptian cotton and pure Para rubber. 13 inch elastic waist band; special deep crotch features.

Per Doz

No. 5—Waist sizes 26 to 40 ins.; wt per doz 2 lbs ..... ✤**$21 75**

REACH SUPPORTERS

All elastic; made of best grade material. Can be cleaned by boiling without injury to the rubber.

Furnished in 3 sizes; small to fit waist 22 to 28 inches; medium, 30 to 38 inches; large 40 to 48 inches.

Note—Give waist measurement when ordering.

Per Doz

No. 34X—Wt per doz 2 lbs **$16 50**

One doz in cardboard box

—BELKNAP'S— SUPPORTERS

Made from finest elastic webbing, with perfectly flat seams; cool and comfortable to wear, cannot bind or chafe. Special method of construction permits all seams to stretch with the webbing and conform to the shape of the body without ripping or breaking.

Furnished in sizes; small to fit waist 22 to 28 inches; medium, 30 to 38 inches; large 40 to 48 inches.

With 3 Inch Band.

Per Doz

No. 10S—Small **$12 00**
No. 10M—Medium **12 00**
No. 10L—Large **82 00**

One in cardboard box; one doz in carton; average wt per doz 2½ lbs.

With 5¾ Inch Bands. Per Doz

No. 25S—Small **$18 00**
No. 25M—Medium **18 00**
No. 25L—Large **18 00**

One in cardboard box; one doz in carton; average wt per doz 3½ lbs.

✤F. O. B. Missouri Factory Only.

FOOT BALL GOODS

BIKE SUPPORTERS
Clean, Comfortable, Porous, Elastic. No Buckles.

Furnished in three sizes; small to fit waist 22 to 28 inches; medium 30 to 38 inches; large 40 to 48 inches. Give waist measurement when ordering.

Per Doz

No. 50—Elastic; made of mercerized cotton, interwoven with covered rubber thread **$22 05**
No. 51—Elastic; made of specially woven fabric; best grade of cotton thread used; waist band made of one continuous piece **15 75**

One doz in cardboard box; wt per doz 3½ lbs.

BIKE WRIST BANDAGES

Per Doz

No. 69—Elastic; made of cotton thread, interwoven with covered rubber thread **$6 30**

Packed loose; wt per doz about 1 lb.

BIKE KNEE BANDAGES

Per Doz

No. 61—Elastic; made of cotton thread, interwoven with covered rubber thread **$15 75**

Packed loose; wt per doz about 2 lbs.

BIKE ANKLE BANDAGES

Per Doz

No. 67—Elastic; made of cotton thread, interwoven with covered rubber thread; covers the foot except the toes and heel **$15 75**

Packed loose; wt per doz about 1¾ lbs.

FOOT BALL SHOULDER PADS

HEISMAN MODEL

Adjustable to any size. Made with two-plies of heavy white felt with sections of hard fibre between to protect the shoulder blades and collar bone. Heavy russet leather moulded shoulder cap with moulded hard fabric between the felt and leather; heavy curved sole leather shoulder piece to protect the bone process on shoulder. The shoulder caps are laced to the pads and are adjustable. Heavy elastic bands hold the pad together, making it adjustable; elastic web passing through rubber tubing under the arms prevents chafing.

Each

No. E5—Wt each 1 lb ..... ✤**$21 00**

One in carton.

COLLEGE MODEL

Made of finest white felt; covered with heavy tan strap leather which extends over moulded fibre shoulder caps. Caps joined to pad with leather hinge. The lacing feature prevents metal eyelets from coming in contact with wearer.

Each

No. 63—Wt each 1 lb ..... ✤**$14 85**

One in carton.

✤F. O. B. Missouri Factory Only.

Courtesy—Kellogg Company

"PEP"

Painted by J. F. Kernan *Engraved by* Gage Printing Co., Ltd.

PRINTED FROM DUPLICATES PRODUCED BY THE LEAD-MOLD PROCESS

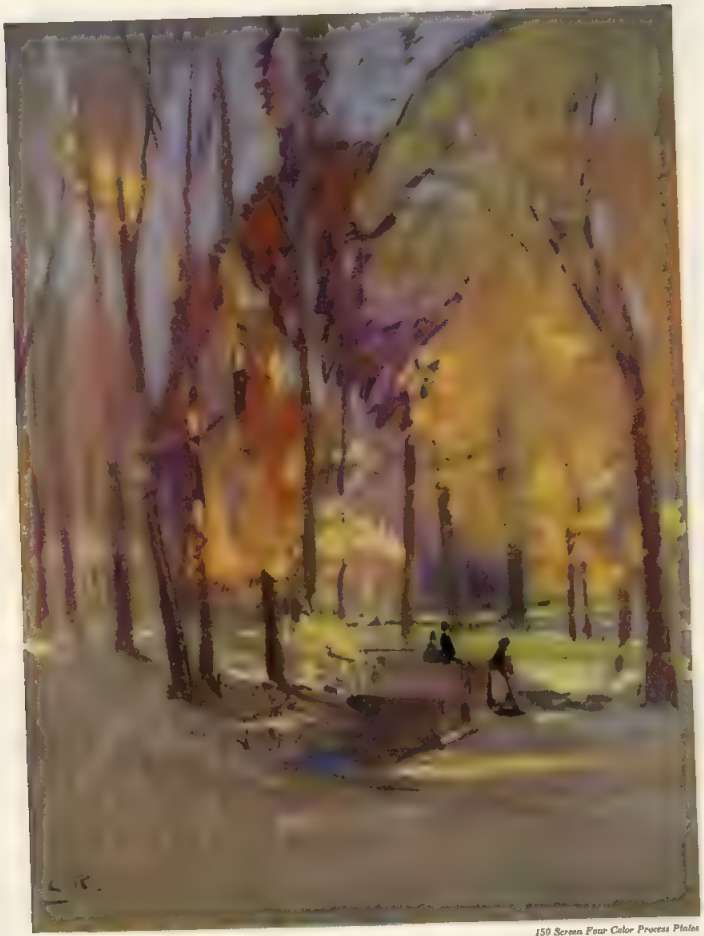
Made by Gage Printing Co., Ltd., Battle Creek

Courtesy—Kellogg Company

"PEP"

Painted by J. F. Kernan *Engraved by* Gage Printing Co., Ltd.

PRINTED FROM ORIGINAL THREE-COLOR PROCESS ENGRAVINGS



Pastel Painting by Leonard Richmond, R. O. I. - R. B. A. *150 Screen Four Color Process Plates*

A UNIVERSITY YEAR BOOK PAGE

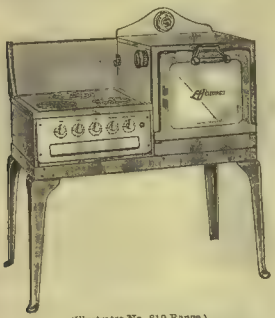
Engraved by BURGER-BAIRD ENGRAVING COMPANY, KANSAS CITY, MO.

ELECTRIC RANGES

LINDEMANN & HOVERSON

"See Dept. 6, Page 1540."

The rapid development of hydro-electric power with the corresponding reduction in the cost of current has created a universal interest in electric ranges wherever this power is available. The wholesomeness, convenience and safety of electric ranges have an appeal that we feel safe in predicting will make them the most popular of cooking appliances in the near future.



(Illustrates No. 819 Range.)

TRIM—Full white and gray porcelain enamel finish.

OVEN—One piece rounded corners, seamless lining, full porcelain enameled inside, boltless type construction. Oven element made to insure even, steady heat, insulated with highest grade refractory porcelain; heavy steel bridge work frame, removable.

COOKING ELEMENTS—Double spiral coil type.

SWITCHES—All of the three-heat reciprocating type, can be turned either to the right or left to the heat desired.

CONSTRUCTION—Cast iron cooking top, oven door frame and legs.
Convenient outlet on back of range will take either rigid or flexible 1 inch conduit.
Operates on 110-125 volts, alternating or direct current; 7500 watts.

MEASUREMENTS—
Floor space 42x21 inches
Cooking surface 22¼x20¼ inches
Cooking height 33 inches
Height over all 43 inches
Oven size 16x14x18 inches
3 Surface units, one 1750 watts, one 1500 watts and one 1250 watts
Oven units { Top 1500 watts / Bottom 1500 watts

Oven on Right Side.

	Each
No. 819-A—Equipped with automatic electric time and temperature control	$420 00
No. 818-A—Equipped with automatic temperature control	378 00
No. 817-A—Equipped with new improved electric thermometer	315 00

Crated; shipping wt each 230 lbs.

(Illustrates No. 809 Range.)

TRIM—Semi-porcelain finish, black rubberoid with gray and white porcelain enamel door, black porcelain enamel cooking top, white porcelain splasher, oven side and switch panel.

OVEN—One piece, rounded corners, seamless lining, full porcelain enameled inside, boltless type construction. Oven element made to insure even, steady heat, insulated with highest grade refractory porcelain; heavy steel bridge frame, removable.

COOKING ELEMENTS—Double spiral coil type.

SWITCHES—All of the three-heat reciprocating type, can be turned either to the right or left to the heat desired.

CONSTRUCTION—Cast iron cooking top, oven door frame and legs.
Convenient outlet on back of range will take either rigid or flexible 1 inch conduit.
Operates on 110-125 volts, alternating or direct current; 7500 watts.

MEASUREMENTS—
Floor space 42x21 inches
Cooking surface 22¼x20¼ inches
Cooking height 33 inches
Height over all 43 inches
Oven size 16x14x18 inches
3 Surface units, one 1750 watts, one 1500 watts and one 1250 watts.
Oven units { Top 1500 watts / Bottom 1500 watts

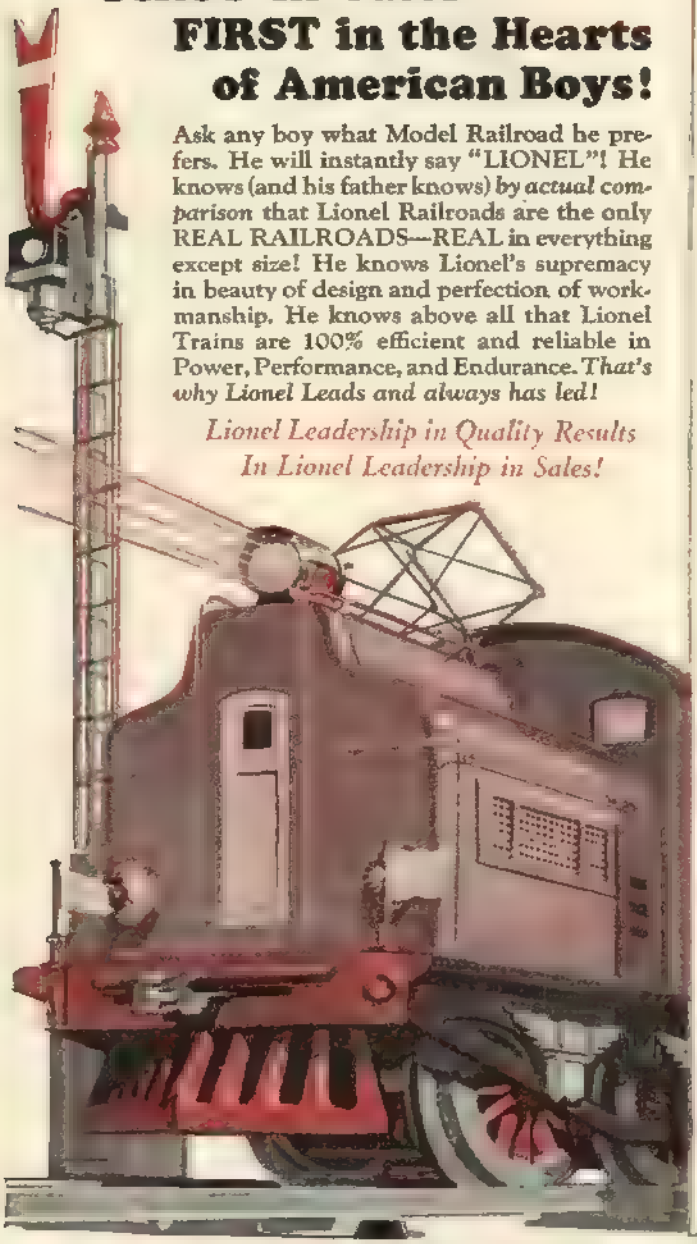
Oven on Right Side.

	Each
No. 809-A—Equipped with automatic electric time and temperature control	$369 00
No. 808-A Equipped with automatic electric temperature control	327 00
No. 807-A—Equipped with new improved electric thermometer	264 00

Crated; shipping wt each 213 lbs.

LIONEL 1927

FIRST in Quality—
FIRST in Sales—
FIRST in the Hearts of American Boys!



Ask any boy what Model Railroad he prefers. He will instantly say "LIONEL"! He knows (and his father knows) *by actual comparison* that Lionel Railroads are the only REAL RAILROADS—REAL in everything except size! He knows Lionel's supremacy in beauty of design and perfection of workmanship. He knows above all that Lionel Trains are 100% efficient and reliable in Power, Performance, and Endurance. *That's why Lionel Leads and always has led!*

Lionel Leadership in Quality Results In Lionel Leadership in Sales!

Season of 1927

THE LIONEL LINES

BIG SALES ROUTE

Just a few of Lionel's outstanding achievements for this year:—

TRACK "O" (1¼" Gauge)—Lionel offers the only efficient 100% Electrically controlled Railroads both for "O" Gauge and "Lionel Standard" Track. Lionel's new "O" Gauge Super-Motor Locomotives haul twice as many cars as any other make.

TRACK "LIONEL STANDARD" (2¼" Gauge)—New Powerful Super-Motor Locomotives, new Passenger and Freight Trains, in many different models and sizes, incorporating numerous new and exclusive Lionel features.

FREIGHT TRAFFIC DIVISION—29 new types of Freight Cars, both for "O" Gauge and "Lionel Standard" Track,—real rolling stock in miniature.

ACCESSORY SPECIALS—New Traffic and Crossing Signals with "Banker" Light—New Accessory Sets attractively boxed—And the marvelous new Lionel Semaphore-Train-Control. They will make model railroads more thrillingly real.

DE LUXE FINISH—The finest automobiles have no better finish than Lionel Products, all hand-enameled in gorgeous, lasting colors by Lionel's exclusive process.

LIONEL TERMINAL—Visit Lionel's New York showroom, "Model Train Headquarters of the World". A real Railroad Terminal, alive with useful merchandising and display suggestions for dealers.

Place Your Lionel Order NOW!

Send for the handsome new Lionel 1927 catalog and interesting dealer proposition

THE LIONEL CORPORATION
15-17-19 East 26th Street, New York, N.Y.

Western Coast Office—M. Sueyd Representative
788 Mission Street, San Francisco, California

"STANDARD OF THE WORLD SINCE 1900"

LIONEL ELECTRIC TRAINS

MODEL RAILROAD ACCESSORIES

"MULTIVOLT" TRANSFORMERS

Lionel Train Outfits Retail from $5.75 to $300

Good business and good fellowship suggest mentioning PLAYTHINGS.

Are you getting ahead fast enough?

This book tells about a better place to succeed and enjoy life

WITHIN five years four hundred and [illegible] to California. They [illegible] in a degree, but they realized that California and especially the Great Central Valley and [illegible] Are they [illegible] their success, their life, their [illegible] Their letters [illegible]

Farmers come to this vast valley region for the greater opportunities, to work, to live and [illegible] markets, co-operative associations, and a hundred other important things you [illegible] agriculture has about the diversity of farming activities in the fertile Central Valleys. Here can be grown many different crops [illegible]

Diversified farming a reality

Double cropping and intercropping [illegible] We intercrop peaches with grapes, possibly. And an interesting [illegible] and diversified crops, farming here is less of a gamble and more of a worth-while business, less of a "breaking even" proposition and more of a [illegible]

[illegible] send for the booklet "Farming in California." It will be sent free. This book is published by CALIFORNIANS Inc., a non-profit organization of citizens and businessmen [illegible] solely in the sound development of the state

Come to San Francisco

[illegible] San Francisco, the industrial and commercial center of the state and the headquarters of [illegible] Farmers' booklet and free coupon [illegible] CALIFORNIANS Inc., San Francisco, C[illegible]

They came, they saw, they stayed

More thousands of newcomers find about life in California in reading of the classic [illegible] success stories in Californians Inc. If [illegible] send [illegible]

MAIL *this coupon for* FREE BOOKLET *about life in California*

Californians Inc

Headquarters, San Francisco,
140 Montgomery Street, Room 900

Please send me the booklet "Farming in California"

Name

Address

Town and State

Courtesy of H. K. McCann Co.

133 Screen Combination Line and Halftone Plate

PICTURING AND SELLING A STATE * R *

Reproduced from Wash drawing of background, Retouched photograph of Map and photograph of sky line and Five separate Pen drawings and proofs of type, all stripped into position

Engraved by GRAPHIC ARTS ENGRAVING COMPANY, SAN FRANCISCO

JEWELS OF EXCEPTIONAL DISTINCTION

Superior workmanship imparts to our jewels the rich appearance that bespeaks character and dignity. Each detail in construction is effectively produced with precision and skill.

The jewels are heavy and substantial. The hard enamels are clear and even. The diamonds are perfect brilliant stones of first quality. Our designs are original and officially correct. Other designs will be drawn for you upon request.

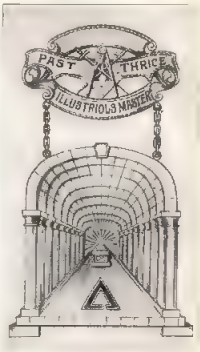
Shrine Jewel

1 fine diamond 40 ct. Selected genuine tiger claws and sardonyx sphinx head. 14K white and yellow gold. A hand modeled Mystic Shrine jewel, very handsome in appearance.

DS33.	**$145.00**
DS34. With out diamond	**165.00**

Each is and [illegible] enameled [illegible] example to in [illegible] with appropriate [illegible] jewels.

DS35. [illegible] 14K	**$150.00**
DS36. [illegible] 10K	**135.00**



Council Jewel

A handsome Council Jewel carefully proportioned and of neat design. The arches are modeled suggesting depth. Raised square and compass emblem. Appropriately enameled.

DS37. 14K solid gold	**$100.00**
DS38. 10K solid gold	**120.00**

Past Exalted Ruler—Elks

A substantial jewel of 14K solid gold. Raised P E R. A hand matted [illegible] border naturally hand tooled and modeled. Set with [illegible] diamond.

DS39. Complete with 1 ct. blue white diamond	**$1300.00**
DS40. Jewel without diamond	**200.00**

[illegible] Raised letters. Heavily [illegible] [illegible] Antique finish [illegible]

DS41. [illegible] 14K	**$145.00**
DS42. [illegible] 10K	**130.00**

Past Dictator—Moose

The beauty of this heavy, solid gold jewel is effected by the skillful hand modeling of each detail. The raised head and antlers are natural showing refining grades, the enameled background. Heavy deeply carved 15k Green Gold formed wreath.

DS43. In 14K solid gold.	**$270.00**
DS44. In 10K solid gold	**200.00**

Diamonds of any desired size can be supplied for above jewels. Each jewel is actual size of design. Packed complete in leather presentation case

BASE BALL BATS.

LOUISVILLE SLUGGERS.

Base Ball Bats are Not Guaranteed.

No. 24. No. 43.

No. 24. Willow Fungo. Made of willow, a light wood for fungo hitting only. Length, 34 to 36 inches. Golden finish, with dark burnt handle; highly polished. One dozen in a crate. Wt. crate, 25 lbs.....Each **$1 00**

No. 43. Ash Fungo. Made of Selected ash; well seasoned. A light well balanced bat; assorted lengths, 32 to 36 inches. One dozen in a crate. Wt. crate, 28 lbs.....Each **$1 00**

No. 42. No. 9.

No. 42. Junior Slugger. Made of second growth ash with patented burnished finish; 32 inches long; 1 dozen in a crate, weighing about 25 lbs. .....Each **$0 75**

No. 9. Leader. Brown finish, assorted models. Lengths, 32 to 36 inches. Packed in crate of 3 dozen assorted weights, each bat in paper bag. Wt. crate, 100 lbs.....Each **$0 75**

No. 8. No. 4. No. 02.

No. 8 Champion. Flame burnt natural finish; assorted models. Lengths, 32 to 35 inches. Packed in crates of 3 dozen, assorted weights, each bat in paper bag. Wt. crate, 100 lbs.....Each **$0 50**

No. 4. Junior League. Youth's bat. Golden flame burnt finish; made of hardwood. Length, 32 inches. Packed 3 dozen in crate. Wt. crate, 75 lbs. .....Each **$0 35**

No. 02. Hillerich's Crackerjack. Boys' bat. Made of hardwood, golden flame burnt finish. Length, 28 inches. Packed three dozen in crate. Wt. crate, 50 lbs. .....Each **$0 25**

CATCHERS' MASKS.

REACH.

No. JP. The frame is made of one solid piece of light weight, special composition metal, guaranteed to withstand any shock or blow of ordinary use. This mask is lighter than the average professional style of wire frame construction. Greater expanse of vision is posible and less shadow in the catcher's eyes. Fitted with the Reach Special full length face padding. These pads are laced to the frame nad can be removed or adjusted as may be required. Wt. each, 2 lbs...Each **$13 50**

No. 6W—Professional Model. Finest tempered steel wire; double frame with cantilever reinforcement wires. This model embodies the "Spitter" and Open Vision features. Side extended to protect the ears. Pads are adjustable by means of strap and buckle fastenings. The strongest wire mask made. Wt. each, 2 lbs.....Each **$8 00**

CATCHERS' MASKS.

REACH.

No. SL—"Spitter" Model. Heavy tempered steel wire reinforced joints; extended sides to protect ears; adjustable pads fastened to frame by means of strap and buckle attachments. Head straps are adjustable. Wt. each, 2 lbs. .....Each **$7 00**

No. 400—Diamond Special Model. Heavy steel wire. Constructed to embody superior strength and to include the "Spitter" Open Vision and transparent sun shade features; adjustable pads and head straps. Wt each, 1¾ lbs. .....Each **$6 00**

No. 20S—Club Special. Made of tempered steel wire; reinforced joint; open vision feature; adjustable leather pads and adjustable head straps; equipped with removable transparent sun shade. Wt.each, 1⅝ lbs. Each **$5 00**

CATCHERS' MASKS.

REACH.

No. 30S—Association. Extra strength steel wire; welded joints; open vision model; fitted with removable sun shade; adjustable pads and head straps. Wt. each, 1½ lbs..Each **$4 00**

No. 40S—League. Strong steel wire; open vision model; has removable sun shade; leather pads and adjustable head straps. Wt.ea.,1¼ lbs. Each **$3 00**

No. XX—Amateur. Made of black enameled steel wire; leather face and chin pads; adjustable head straps. Wt. each, 1⅛ lbs.....Each **$2 50**

CATCHERS' MASKS.

REACH.

No. 3M—Youths'. Black enameled steel wire; fitted with leather face pads and adjustable head straps. Wt. each, 1 lb... ... ...Each **$2 00**

No. CM—Boys' Special. Made of gun metal finished steel wire; leather face pads; adjustable head strap. Wt. each, ¾ lb. .....Each **$1 50**

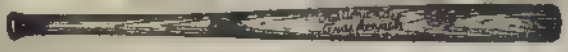
UMPIRES' MASKS.

REACH.

No. RU. Extra strong tempered steel wire. Trussed frame construction with hinged ear pieces and neck protecting extension; pads are adjustable by means of strap and buckle fastenings; adjustable head straps. Wt. each, 2½ lbs. .....Each **$10 00**

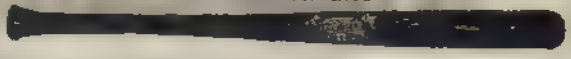
Hillerich & Bradsby Standard Branded Bats

CRACKERJACK BAT



Baseball Bat, Hillerich's "Cracker Jack." A substantial bat for boys, made of hard wood, golden flame burnt finish. Length 28 inches. Three dozen in crate.
No. 8R2. Per dozen..... **1.98**

CHAMPION BAT



Baseball Bat, "Champion," made of seasoned wood flame burnt, natural finish. Made in assorted standard models and assorted lengths from 32 to 35 in. Each in paper bag. Three dozen assorted weights in crate.
No. 8R5. Per dozen..... **3.92**

JUNIOR LEAGUE BAT

Baseball Bat, "Junior League." A well made youth's bat, made of hard wood, golden flame burnt finish. Length 32 inches. Each in paper bag. Three dozen in crate.
No. 8R4. Per dozen..... **2.94**

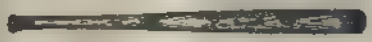
SEMI-PRO BAT

Baseball Bat, "Semi-Pro." Dark brown stained body, golden oak. Taped handle, transfer on end. Lengths 32 to 36 inches. Each in paper bag. Three dozen in crate, assorted lengths.
No. 8R7. Per dozen..... **7.06**

INDOOR BAT

Indoor Bat, made of fine quality ash wood, golden flame burnt and highly polished. Length 33 inches. Four dozen in crate.
No. 8R15. Per dozen..... **5.88**

Miniature Sluggers



Baseball Bat, miniature size, 14 inches long, made of hard wood, golden oak finish. A dandy "little fellows" bat.
No. 8R13. Per dozen..... **1.36**

Baseball Bat, child's size, length 22 ins., flame burnt, golden finish, autograph of some famous baseball player on each bat.

No. 8R14. Per dozen..... **3.92**

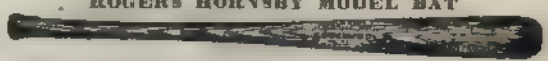
Louisville Slugger Base Ball Bats

Autograph Models, exactly duplicating baseball bats used by famous sluggers, turned by hand by experts from extra selected, second growth mountain ash.

BABE RUTH MODEL BAT

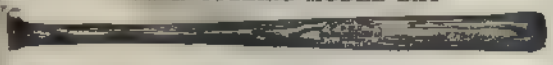
Baseball Bat, "Babe Ruth" Model, small handle, medium size barrel. Same as used by Babe Ruth in making 59 home runs in 1921. Registered trade mark signature of Ruth on barrel end. Lengths 32 to 36 inches. Each in paper bag. One dozen in crate, assorted lengths.
No. 8R17. Per dozen..... **15.88**

ROGERS HORNSBY MODEL BAT



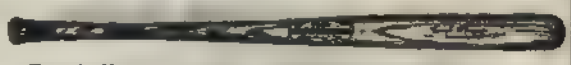
"Rogers Hornsby" Bat. Extra large barrel with pronounced taper to medium handle and knob. Weight, concentrated in barrel. Popular among professionals. Registered trademark autograph of Rogers Hornsby burnt in barrel end. Lengths 33 to 36 inches. Packed in crates of one dozen assorted weights, each bat in paper bags.
No. 8R16. Per dozen..... **15.88**

EDDIE COLLINS MODEL BAT



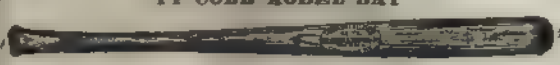
Baseball Bat, "Eddie Collins" Model, new brown flint finish highly polished small handle and well proportioned. Exact duplicate of model used by Collins. Lengths 33 to 36 inches. Each in paper bag. One dozen in crate, assorted lengths.
No. 8R18. Per dozen..... **15.88**

HARRY HEILMANN MODEL BAT



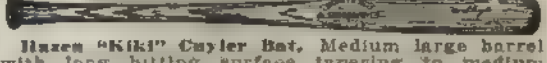
Baseball Bat, "Harry Heilmann" Model. Old ash finish, highly polished. Thin taped handle, fairly small handle. Exact duplicate of model used by Heilmann. Lengths 33 to 36 inches. Each in paper bag. One dozen in crate, assorted lengths.
No. 8R21. Per dozen..... **15.88**

TY COBB MODEL BAT



Baseball Bat, "Ty Cobb" Model, highly polished golden finish. Thin handle with gradually tapering barrel. Exact model used by Cobb for 19 years. Lengths 33 to 36 inches. Each in paper bag. One dozen in crate, assorted lengths.
No. 8R10. Per dozen..... **15.88**

"KIKI" CUYLER MODEL BAT



Hazen "Kiki" Cuyler Bat, Medium large barrel with long hitting surface tapering to medium handle and extra large knob. Used by Cuyler in making hit that won World's series of 1925. Registered trademark autograph H. S. Cuyler burnt on barrel end. Lengths 33 to 36 inches. Packed in crates of one dozen assorted weights, each bat in paper bag.
No. 8R24. Per dozen..... **15.88**

KORK GRIP

Baseball Bat, "Kork Grip" oil tempered finish. The yielding character of the Kork gives a perfect grip. Made in assorted models of famous sluggers. Each bat autographed. Lengths 32 to 36 inches. Each bat in paper bag. One dozen in crate, two each of the above slugger models.
No. 8R23. Per dozen..... **20.88**

Wilson Baseball Uniforms

Wilson-Western baseball uniforms are famous wherever baseball is played. They are preferred and worn by many of the leading American and National league teams as well as by scores of minor and semi-pro leagues and hundreds of scholastic teams throughout the country.

Complete Baseball Uniforms

Wilson baseball uniforms are made over large and roomy patterns from an improved specially constructed uniform flannel. Double stitched throughout, and reinforced at all points where the greatest strain comes. The comfort, fit and workmanship are unexcelled. Uniform consists of shirt, pants, cap, hose and short stationary adjustable belt of same material as uniform.

SHIRT—Made in V neck style, with two rows of silk cordage trimming around neck, down front and on sleeves. Ventilated under arms.

PANTS—Made roomy to allow for freedom of action. Finished with plain tunnel belt loops.

CAP—Brooklyn style. Unbreakable buckram visor, green underneath.

HOSE—Cotton ribbed.

COLOR—Gray with green stripe. Trimmed in green. Green button on cap.

SIZES—Chest 36, 38, 40, 42, and 44. Each set in box.

No. 8R50. Complete outfit..... ..... **6.50**

Baseball Shoes with Spikes

Baseball Shoes. Latest design, finest of materials and skilled workmanship are responsible for the popularity of these shoes.

Good quality leather, straight soles, stitched throughout. Quality steel spikes. Unusually light with excellent wearing qualities. Each pair in box. Sizes and half sizes, 6 to 12. State size wanted.

No. 8R36. Per pair..... **2.50**

A good low priced sprint shoe. Good quality leather uppers, oak leather soles and heels, flexible leather shank, steel spikes. Each pair in box. Sizes and half sizes, 6 to 12. State size wanted.

No. 8R37. Per pair..... **3.35**

Baseball Caps

New York Style Cap. Deep crown. Good quality flannel. Leather sweatband. Taped under seams. Unbreakable buckram visor, green underneath. Color: gray with navy visor, button and corded seams. One dozen assorted sizes in box. No less sold.

No. 8R46. Per dozen..... **6.00**

EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE.

IMPORTED REVOLVERS AND PISTOLS.

All Use American or Imported Cartridges.

"MODEL" AUTOMATIC PISTOLS

Spanish

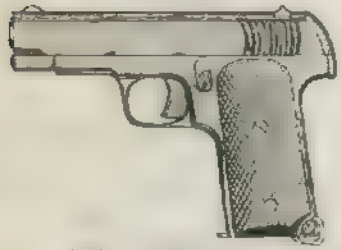
"MODEL" OR "PROTECTOR."

NO. MOD25—25 calibre (6.35 m/m.), shoots 25 Colts automatic cartridge, single safety.....Net each $10.50

ASTRA—25 calibre, plain grip, shoots 25 Colts automatic cartridges. 11.00

MILITARY AUTOMATIC PISTOLS.

Spanish.



With Extra Magazine. Net each

*NO. MIL32—Military, 32 caliber (7.65 m/m.) shoots 32 Colt automatic cartridge, capacity of magazine 9 shots, length of barrel 3¾ in., total length of pistol 6¼ in., weight 28 oz. $13.00

*Will Be Mailed From New York.

"ORTGIES" AUTOMATIC PISTOLS.

German.

Blued and Nickel Finishes.

Net each

NO. 250RT—25 Calibre, shoots regular 25 Colt's Auto cartridges, 125 in a case $13.00

NO. 320RT—32 Calibre, 9 shot, shoots regular 32 Colt's Auto cartridges, 75 in a case 17.50

EXTRA MAGAZINES FOR ORTGIES PISTOLS.

Net each

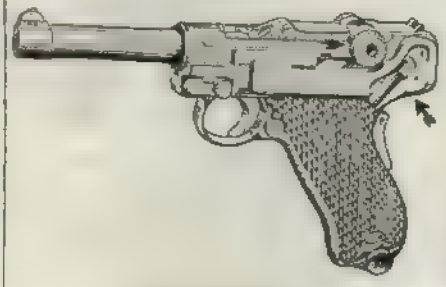
*NO. 025MAG—Magazine for 25 calibre... $3.00

*NO. 032MAG—Magazine for 32 calibre 3.00

*Will Be Mailed From New York.

"LUGER" AUTOMATIC PISTOLS.

German.



RECONDITIONED

*NO. L30—30 calibre (7.65 m/m), shoots 30 Luger cartridge, length of barrel 3¾ in., weight 1 lb. 13 oz..... $40.00

*NO. L38—38 calibre (9 m m)..... 40.00

EXTRA MAGAZINES FOR LUGER PISTOLS. Net each

*NO. 765LM Magazine complete, 30 caliber (7.65 m. m)..... $4.00

*Will Be Mailed From New York.

"MAUSER" AUTOMATIC PISTOLS.

German.

POCKET MODEL.

Net each

*NO. M25 25 calibre (6.35 m/m), shoots 25 Colt automatic cartridge, 9 shots, length 5.4 in., weight 15 oz..... $25.00

*NO. M32 32 calibre (7.65 m. m), shoots 32 Colt automatic cartridge, 8 shots, length 6.1 in., weight 21 oz..... 30.00

EXTRA MAGAZINES FOR MAUSER PISTOLS. Net each

*NO. 635MM—Magazine complete for 25 caliber $3.00

*NO 765MM Magazine complete for 32 caliber $3.00

*Will Be Mailed From New York.

AMMUNITION.

We Carry Both American and German Cartridges for these Pistols. See Page 2026.

"MAUSER" AUTOMATIC.

MILITARY MODEL.

German.

Military Model, Combination Wood Holster and Rifle Stock.

Capacity of magazine 10 shots, length over all 11⅛ in., weight 39 oz.

Net each

*NO. MRB30 30 calibre, (7.63 m/m), shoots [redacted] (7.63 m m) Mauser cartridge, length of barrel 5½ in $70.00

*NO. MRB38 38 caliber, (9 m m), shoots 9 m/m Mauser cartridge, length of barrel 5½ in. .. .. .

*Will Be Mailed From New York.

IMPORTED HAND EJECTOR REVOLVERS.

SPANISH.

MODEL 31—1926

Double Action, Solid Frame, Swing-Out Cylinder, 6 Shot., Lug Under Barrel.

The above arm is produced of the highest quality steel, is mechanically perfect and embraces all the features of the higher priced arms

Net Each

NO. 3132—32-20 Winchester, 4, 5 or 6 in. blued barrels..... ..... $23.00

NO. 3138S—38 S. & W. Special, 4, 5 or 6 in. blued barrels..... ..... 23.00

Specify length of barrel wanted.

ALL ONE ONLY IN A BOX

PISTOLS.

EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE.

STEVENS.

STEVENS SINGLE SHOT PISTOL.

Caliber, 22 long rifle RF.; length of barrel, 8 in., length over all, 13½ in.; weight, about 2½ pounds. Finish, blued, checkered hard rubber stocks, sights, 10 inches apart. Bead front and open rear with elevation and windage adjustments.

Net each

NO. 10—22 cal., blued finish, 8 in. barrel, weight 2¼ lbs. .. List each $15 00 **$24.00**

ONE ONLY IN A BOX

DERRINGERS.

REMINGTON U. M. C.

Two shots, 3 in. barrel, checkered rubber stock, length over all 4¾ in.

A very compact and excellent arm for close defense

Double Barrel. Net each

NO. 95—41 calibre, blued finish, rubber handle, shoots .41 short rim fire cartridges weight 11 oz. List each $11.50 **$18.40**

ONE ONLY IN A BOX.

25 IN A CASE, WT. 50 LBS.

STEVENS OFF-HAND TARGET PISTOL.

The Hunters' and Trappers' Friend.

Round barrel with octagon breech; selected black walnut stock, sporting rear-sight and bead front sight

CALIBRE, 22 LONG RIFLE.

Net each

NO. 35228—6 in. barrel, blued ..... List each $12.50 **$16.60**

NO. 35228 —8 in. barrel, blued ..... List each $13 25 **20 00**

410 GAUGE.

No Tax on 410 Gauge

NO 364108—8 in. barrel, full choke, shoots 2 or 2½ in. shell loaded with shot or ball..... List each $12.00 **$18.00**

NO. 3541012—12¼ in. barrel ..... List each $12 00 **18.00**

ONE ONLY IN A BOX

The liquid fuel stove has come to stay. We distribute the Queen, which is outstanding in this field. Speak to our salesman relative to territory.

Imported China Sets and Novelty Goods

Pretty styles and shapes, dainty patterns and colors, just the thing to brighten up the home. Chinaware always makes an acceptable gift. It has that rare combination of being both useful and ornamental. From a standpoint of value, you will go a long way to duplicate the quality of this merchandise for anywhere near the price.

No. H120810—Imported 23-Piece China Tea Set. Blue or tan with white centers. Attractive conventional border design in gold. Consists of 6 teaplates, 6 teacups, 6 saucers, teapot, covered sugar bowl and cream pitcher. A very good grade of imported ware that compares favorably with many higher priced sets on the market. This set has that dainty appearance which immediately stamps it as excellent quality and splendid value for the money. It is the product of one of the best known potteries across the water. You will never regret buying this set in either blue or tan color. Specify color desired when ordering. Per set $20.90

Imported 23-Piece Lustre China Tea Sets. Consists of 6 teaplates, 6 teacups, 6 saucers, teapot, covered sugar bowl and cream pitcher in beautiful lustre effect. Choice of three color selections.

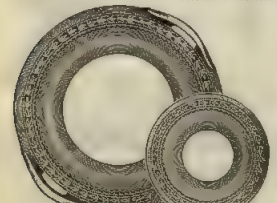
No. H12085—Two-tone effect blue and opal lustre with black stripe between. Per set $12.75

No. H12085—Two-tone effect tan and opal lustre with black stripe between. Per set $12.75

No. H8085—Plain blue color, inside of cups and cream pitcher in pleasing tan color. Lustre effect inside and outside. Per set $11.75

No. H6974—23-Piece Lustre China Tea Set, consisting of 8 tea plates, 6 tea cups and 6 saucers, teapot, sugar bowl and cream pitcher, in three-color lustre effects as follows: Nile green with canary lining, tan with ecru lining and blue with mocha lining. Slovakia, very desirable service for six persons, open stock matchings may be obtained to replace breakages or to increase the service from six to eight persons or more. The appealing set with its three color selections offers a choice that will blend in with perfect harmony with any color scheme. Thousands of these sets have been sold and they are giving perfect satisfaction. Price, per set $11.75

No. H120812—Imported China Wall Pockets, assorted floral designs in gay colors, very natural in appearance and color effects that will harmonize with most any surroundings. Height 7½ inches; has hole for hanging on nail or hook. Many people are using these attractive wall pockets in pairs, one on each side of mantel with artificial flowers. Makes a very pleasing decoration at a low cost. Each $1.40

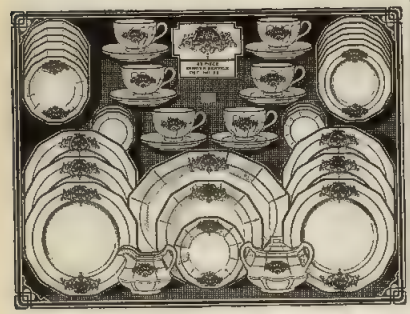


No. H120811—Imported 7 Piece China Cake Service Set. Consists of 1 handled cake plate 10 inches in diameter and 6 serving plates 6½ inches in diameter. Blue or tan with white center conventional border design in gold that gives it just that atmosphere of high quality. Made in a good grade of ware that will give complete satisfaction. For gift purposes this seven piece set has a lasting wonderful possibility. Regardless of how many fine sets a housewife may have she is always glad to receive an attractive cake set. Per set $2.10

No. H12083 Imported China Salt and Pepper Shakers. Made as two bird designs colored in a way that attracts attention. The colors are natural and quite appealing. A pair of these unique birds on the table adds a dash of color to the other fittings that creates a pleasing effect. Average height 2 inches. Has cork at base which can be removed to fill the shakers. Dozen pair $3.80

No. H6976—23-Piece Two-Tone Lustre China Tea Set. The popular Tangerine Color and Opal, edges trimmed with black and has black handles which makes it a very attractive set, made by one of the best China factories of Czecho-Slovakia. This set has to be seen to be appreciated. Consists of 6 cups, 6 saucers, 6 tea plates, teapot, sugar bowl and cream pitcher. The above set is carried in stock, on special orders we can furnish green or blue color sets with same trimmings. Per set $18.00

High Grade Dinner Sets — Attractive Patterns



No. H15387 42-Piece Dinner Set Here we offer good quality semi-vitreous china with first quality ware, beautiful Colonial shape with floral wreath and gold bow-knot band border set. It consists of six cups, six saucers, six dinner plates 9½ inches, six dessert plates 6½ inches, six fruit dishes 5½ inches, six cereal dishes 5½ inches, six individual butters and one meat platter 13½ inches. Set shipped in two parcel post packages on receipt of $15.80 per set.

No. H15385—52-Piece Dinner Set Same pattern as above, consisting of six cups, six saucers, six cereal dishes 5½ inches, six pie plates 6½ inches, six fruit dishes 5½ inches, one meat platter 13½ inches and one vegetable dish 9½ inches. Set shipped F. O. B. pottery, Illinois, in one package, charge for packing $10.70 per set.

No. H15389—100-Piece Dinner Set, same pattern as above, consisting of 12 cups, 12 saucers, 1 dinner plate, 9 inches, 12 per plate, 12 B. & B. plates 6 inches, 12 soup plates 8 inches, 12 fruits, 1 sugar, 1 cover, 1 cream, 1 cover, 1 covered sugar, 1 covered butter, 1 meat platter 13½ inches, 1 platter 15½ inches, 1 platter 17½ inches, 1 gravy boat and 1 covered vegetable dish. Set shipped in two parcel post packages, charge for packing $41.20 per set. Shipped F. O. B. pottery, Illinois, in one package, charge for packing $41.20 per set.

No. H15383—100-Piece Dinner Set, as Floral to Pattern strictly first quality white semi-vitreous china, beautiful floral decorated border with dainty line and handles in 22k gold. A fine set that may be bought at any time. Set consists of twelve cups, twelve saucers, twelve after dinner coffee cups, twelve after dinner saucers, twelve bread and butter plates, six cereals, six fruits, one vegetable dish, one cream, one sugar, one open, one meat platter, 13 inches, one meat platter, 15 inches, one platter, 17 inches, one gravy boat and one covered vegetable dish. Set shipped in two parcel post packages, charge for packing $38.20 per set.

No. H15381—42-Piece Dinner Set The attractive pattern shown is beautiful floral wreath with a dainty wide band border. Colonial shape, ivory white semi-vitreous china. This is a most desirable one of the greatest assortments in high grade dinner sets that has ever been offered. The set consists of six cups, six saucers, six breakfast plates 9½ inches, six fruit dishes 6½ inches, six individual butters and one platter, 13½ inches. Set shipped F. O. B. pottery, Ohio, no package charge. We offer this pleasing pattern in the 31 piece set only. If your customer wants a set with a dozen each of the essential pieces we suggest that you order two sets. Per set $7.40

No. H15383—100-Piece Dinner Set, as Floral to Pattern strictly first quality white semi-vitreous china, beautiful floral decorated border with dainty line and handles in 22k gold. A fine set that may be bought at any time. Set consists of twelve cups, twelve saucers, twelve after dinner coffee cups, twelve after dinner saucers, twelve bread and butter plates, six cereals, six fruits, one vegetable dish, one cream, one sugar, one open, one meat platter, 13 inches, one meat platter, 15 inches, one platter, 17 inches, one gravy boat and one covered vegetable dish. Set shipped in two parcel post packages, charge for packing $38.20 per set.

No. H15381—42-Piece Dinner Set The Florentine pattern as above, strictly first quality white semi-vitreous china, beautiful floral decorated border with dainty line and handles in 22k gold. Set consists of six cups, six saucers, six dinner plates 9½ inches, six pie plates 6½ inches, six fruit dishes 5½ inches, six individual butters and one meat platter 13½ inches. Set shipped in two parcel post packages, charge for packing $10.60 per set. Shipped F. O. B. pottery, Illinois, in one package, charge for packing $10.60 per set.

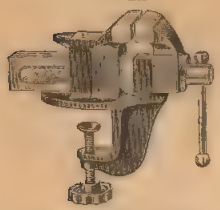
Extra Special Value

New Initial Dinner Set

No. H15385—42-Piece Dinner Set A de Luxe pattern in very choice of two floral wreath decoration and blue ribbon border. Any initial you may desire on plate or cup. Has a blue band. This is a pleasing touch to the dainty shape, ivory semi-vitreous china. A very high grade set and it is one that will please the most discriminating. Set consists of six cups, six saucers, six breakfast plates 6½ inches, six fruits 5½ inches, six individual butters, one meat platter 13½ inches, one oval platter 15½ inches, one gravy boat and one cover. Set shipped F. O. B. pottery, Ohio, no package charge. This new initial dinner ware is sure to please the housewife. Per set $14.50

VISES

LUTHER



SPECIAL FEATURES

Bronze Feed Screw Nut, made extra large and heavy.

Tool Steel Feed Screw, accurately machined from solid stock; larger and longer than used in similar vises.

Extra Wide Jaws, ⅛ to ⅜ in. wider than most vises.

Paneled Slide Bar, practically doubles the strength of the slide bar.

Nos.	91⅛	92	92½	93
Width Jaws, in.	1¼	2½	2⅞	3½
Opening Jaws, in.	1⅛	2½	2⅞	3½
W't, each, lbs.	4	6⅛	10	13
Each	$2.65	3.65	5.00	7.00

STANLEY FOUR SQUARE

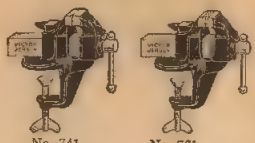
Household.

No. 416—2 in. jaws are ground and carefully fitted, vise screw with square lathe cut thread working in long malleable nut, patented split washer under head of screw to take up wear, body of vise dull black, per dozen $45.35

ONE IN A BOX

Hibbard Hardware for Hard-Wear

VICTOR PATTERN



No. 741 No. 761

ALL CLAMP BOTTOM, PLAIN IRON JAWS

Nos.	741	742	743
Width jaw, in.	1⅛	1⅝	2
W't, doz., lbs.	36	39	42
Per dozen	$20.00	22.65	33.35

Nos.	745	746
Width, jaw, in.	2⅛	3
W't, doz., lbs.	60	105
Per dozen	$45.35	70.65

ALL CLAMP BOTTOM, STEEL FACED JAWS

Nos.	761	762	763
Width, jaw, in.	1⅛	1⅝	2
W't, doz., lbs.	36	39	42
Per dozen	$34.90	39.65	46.90

Nos.	765	766
Width, jaw, in.	2⅛	3
W't doz., lbs.	60	105
Per dozen	$64.00	93 85

Fitted with loose malleable iron nut and solid steel screw. Face of jaw ground so that the jaws come up square, screw works easy and smooth. Body finished with a brown baked Japan, working parts highly polished.

No. A12 Assortment—Consisting of display stand and 12 Victor Vises, w't 65 lbs. per assortment $35.55

Consisting of the following—

2 No. 741	1 No. 744	1 No. 761
2 No. 742	1 No. 745	1 No. 763
2 No. 743	1 No. 746	1 No. 772

LUTHER VISE ASSORTMENTS

ATTRACTIVE DISPLAY STANDS FREE!
With These Assortments

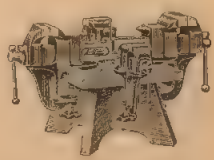
In order that you may better know the wonderful sales possibilities of this low-priced line of quality vises, we offer this special assortment, together with one of these very attractive wood and metal Display Stands at an exceptionally low price.

This Assortment consists of:

Amount	Nos.	Retail Each	Total
5 only	91⅛	$1.70	$8.50
3 only	92	2 35	7.05
2 only	92½	3 20	6.40
2 only	93	4.50	9 00
Total Retail Value			$30 95

No. A4—Per Assortment.... $44.45

ONE ASSORTMENT IN A CARTON



The sales value of this small vise assortment is unlimited. Assortment is made up of four sizes of square shoulder Luther Quality Built vises, for radio, auto and many other classes of work. With attractive hardwood display stand.

This Assortment consists of:

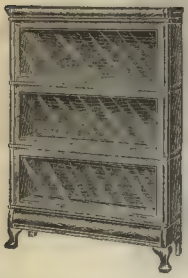
Amount	Nos.	Retail Each	Total
1 only	91⅛	$1.70	$1 70
1 only	92	2 35	2 35
1 only	92½	3.20	3.20
1 only	93	4.50	4 50
Total Retail Value			$11.75

No. A8—Per Assortment.....$17.80

ONE ASSORTMENT IN A CARTON

SECTIONAL BOOK CASES

STANDARD



Standard book case sections are made up in several sizes to accomodate different size books. All sections are 34 inches wide and 11 inches deep; interchangeable with other standard makes. A quiet easy gliding door is an important feature.

HOME LIBRARY SIZE

Height over all 49 inches; width 34 inches; height of sections 10¼, 11 and 12¼ inches.

CASE COMPLETE

	Each
No. 913GO—Quarter sawed oak; golden gloss finish	$82 50
No. 913FO—Quarter sawed oak; fumed finish	82 50
No. 913M—Birch; mahogany dull finish	82 50

Crated; shipping wt each about 96 lbs.

TOP SECTIONS ONLY

	Each
No. 93GO—Quarter sawed oak; golden gloss finish	$11 55
No. 93FO—Quarter sawed oak; fumed finish	11 55
No. 93M—Birch; mahogany dull finish	11 55

Crated; shipping wt each about 10 lbs.

BASE SECTIONS ONLY

	Each
No. 95GO—Quarter sawed oak; golden gloss finish	$14 25
No. 95FO—Quarter sawed oak; fumed finish	14 25
No. 95M—Birch; mahogany dull finish	14 25

Crated; shipping wt each about 12 lbs.

BOOK SECTIONS ONLY

Quarter Sawed Oak; Golden Gloss Finish.

	Each
No. 910GO—Inside height 10¼ ins.	$18 75
No. 911GO—Inside height 11 ins	18 75
No. 912GO—Inside height 12¼ ins.	18 75

Quarter Sawed Oak; Fumed Finish.

	Each
No. 910FO—Inside height 10¼ ins.	$18 75
No. 911FO—Inside height 11 ins	18 75
No. 912FO—Inside height 12¼ ins	18 75

Birch; Mahogany Dull Finish.

	Each
No. 910M—Inside height 10¼ ins.	$18 75
No. 911M—Inside height 11 ins.	18 75
No. 912M—Inside height 12¼ ins.	18 75

Crated; shipping wt each about 24¼ lbs.

CONSOLE TABLES AND MIRRORS

MIRROR

Size 24x12 inches; selected quality ornamental cut mirror. Burnished bronze and blue polychrome.

	Each
No. 11CM—Mirror only	$16 50

Crated; shipping wt each 26 lbs.

TABLE

Size top 28x13 inches; height 29 inches. Turned columns with scroll feet. American walnut veneered, two tone finish.

	Each
No. 11CS—Table only	$31 50

Crated; shipping wt each 60 lbs.

MIRROR

Size 28x14 inches; selected quality plain plate mirror.

	Each
No. 453-MM—Brown mahogany veneered, dull finish	$48 75

One in crate; shipping wt each 27 lbs.

TABLE

Size top 30x13 inches. Handsomely turned columns and feet; strong brace between columns.

	Each
No. F453CW American walnut veneered; dull rubbed finish	$33 75
No. 453CM—Brown mahogany veneered; dull finish	33 75

One in crate; shipping wt each 60 lbs.

COMBINATION BOOKCASE AND DESKS

Height 58 inches; width 27 inches; depth 15 inches; one large drawer; hinged front opens forming writing bed. Desk part made with pigeon holes for filing letters etc. Cabinet fitted with glass panel doors. Each

No. F536M—Hardwood, imitation mahogany finish $62 25

One in crate; ship wt each 94 lbs.

Height 65 inches; width 35 inches. Commercial Quality plain plate mirror, 10x12 inches. Hinged front opens forming writing desk. One large drawer, hat compartment and five book shelves. Each

No. F541—Genuine quarter sawed oak veneered golden gloss finish $66 00

Crated; shipping wt each 126 lbs.

Height 64 inches; width 30 inches; depth 15 inches. One large drawer; hinged front opens forming writing bed. Desk part made with pigeon holes for filing letters, etc. Upper and lower cabinets fitted with glass panel doors. Each

No. F535GO—Quarter sawed oak veneered, golden gloss finish $81 00

No. F535M—Hardwood, imitation mahogany finish 81 00

One in crate; ship wt each 114 lbs.

LIBRARY CASES

GRAND RAPIDS

Double strength glass in doors; adjustable shelves with moulded edges and nicely finished. Casters furnished.

A neat plain pattern, well made and finely finished. Height 54 inches; width 34 inches.

Each

No. GR11-GO—Plain oak with quarter sawed front, polished golden finish $87 75

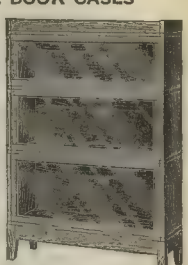
No. GR11-M—Hardwood, mahogany, dull finish 87 75

One in crate; shipping wt each 130 lbs.

SECTIONAL BOOK CASES

COMMERCIAL AND HOME SIZE

MACEY



Plain oak, golden gloss finish. Fitted with easy gliding doors. Case sections are made in several sizes to accomodate different size books. All sections are 34 inches wide and 11 inches deep, inter-changeable with other standard makes.

Height over all 49 inches; width outside 11⅝ inches, inside 32⅛ inches.

Each

No. F513SC—Case Complete: Consists of top section, sanitary leg base and three book sections sizes 11⅛ x8⅝ ins; 13⅛x11 ins and 16⅛x12⅝ ins $66 15

Crated; ship wt complete 125 lbs.

Each

No. F513T—Top Section only; height outside 2¼ ins $9 45

Crated; ship wt each 13 lbs.

Each

No. F513B—Sanitary Leg Base only; outside height 8 ins $9 45

Crated; ship wt each 13 lbs.

Book Sections.

Each

No. 49—Height outside 11⅛ ins; inside 8⅝ ins $15 75

No. 411—Height outside 13⅛ ins; inside 11 ins 15 75

No. 413—Height outside 16⅛ ins, inside 12⅝ ins 15 75

Crated; shipping wt each 24½ lbs.

MAH-JONG SETS.

A PIROXLOID PRODUCT.

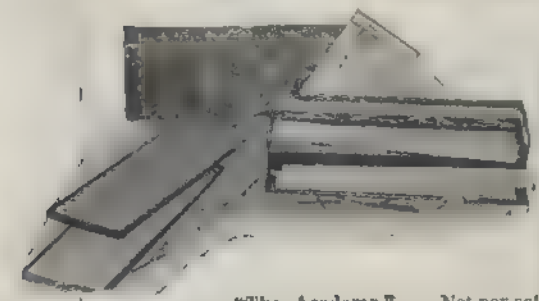
"THE ANCIENT GAME OF THE MANDARINS."

The famous "Ancient Game of the Mandarins" Sets, manufactured of Piroxloid, give you an exclusiveness, in display of the Chinese Game, which is not obtainable under any other method of manufacture

The tiles are all hand painted, guaranteed to retain their brilliancy and not fade, and can be kept clean by washing with any ordinary soap and water.

"The Educator." Net per set

NO. 2000X/1 Set—Though listed as inexpensive, this set is really of exceptional merit, comprising highly varnished wood tiles of uniform size, embossed in three vivid Chinese shades. Size of tiles 1⅞ inches x ⅞ inch, and ⅜ inch in thickness. Packed in a Skytogen box with four drawers and four individual money trays, complete with celluloid counters, celluloid wind box, dice and book of instructions.....
.List per set $4.40 $5.90



"The Academy." Net per set

NO. 2000 R Set—As an added feature to the regular Educator Set is a tapestry finished "Oblong Carry All Box" with two trays, containing a set of four racks and four individual counter holders. All wood tiles highly varnished, size 1⅞ inches x ⅞ inch and ⅜ inch in thickness. Complete with racks, celluloid counters, celluloid wind box and book of instructions
..List per set $5.50 $7.40

"The Pullman." Net per set

NO. 6001 29 Set—The novel combination of **Grained Ivory Piroxloid Top and Black Base** makes this set rather unusual in appearance. The contrast of colors gives it the advantage of quick appeal when displayed on the counters. Highly finished. Size of tile, one inch x ¾ inch and ½ inch in thickness. **Packed in genuine leather traveling case**, complete with folding racks and separate compartment, containing celluloid counters, celluloid wind box, dice and book of instructions.....List per set $44.00 $58.70

TILE RACKS.

Each Set Contains Four Pieces.

Net per set

NO. 200—Double rack, 3 black and 1 red to set.....List per set $3.30 $4.40

NO. 250—Heavier wood, double rack, 3 black and 1 red ...List per set $3.85 5.90

TILE COUNTER RACKS.

H. & H. Net per set

Style C—Set consists of 4 black racks, 100 round Chinese metal counters, 1 two-color score card, East Wind indicator, 8 gun-metal finish adjustable clamps.....List per set $7.00 $7.00

ALL ONE SET IN A CARTON.

For a high grade metal ware line, nothing excels the Atlantic. This we distribute for our territory.

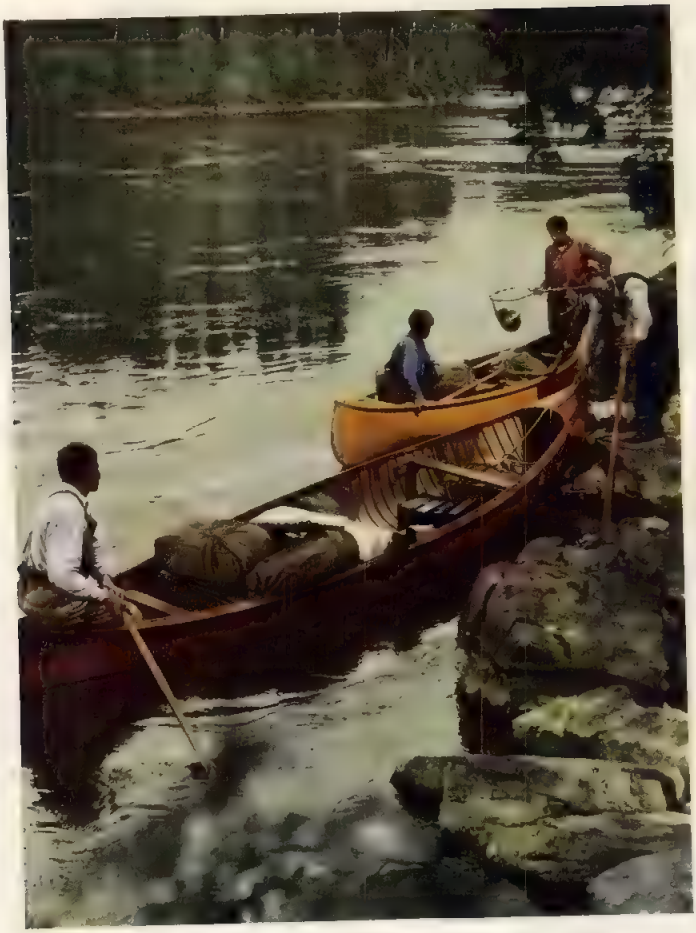


Photo by H. Armstrong Roberts *150 Screen Four Color Process Plates*

IN THE MAINE WOODS

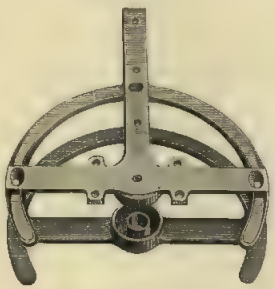
Reproduced from Unretouched Black and White photo. Colors constructed by photo-engraver

Engraved by WILBAR PHOTO-ENGRAVING COMPANY. NEW YORK

MALLEABLE FIFTH WHEELS

MALLEABLE WAGON FIFTH WHEELS

Single Reach

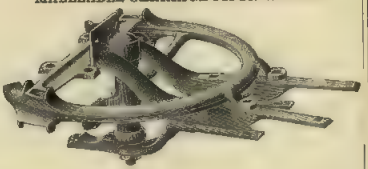


No	Dia. Circle	Width Spring	Perch	King-bolt	List Pr. Ea.
747 A	14″	1⅝″	1⅜″	¾″	$ 2.75
747 B	16″	1⅞″	1½″	⅞″	3.25
747 C	16″	2″	1⅝″	⅞″	4.25

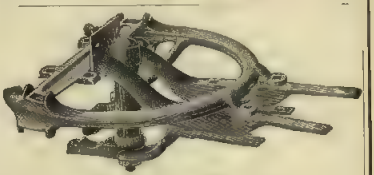
					List Pr Each
890 A	10″	1¼″	1″	¾″	$ 2.70
890 B	11″	1⅜″	1¼″	⅞″	3.40
890 C	12″	1½″	1¼″	1″	4 40
890 D	13″	1¾″	1½″	1″	6.10

					List Pr Each
947 A	10″	1¼″	⅞″	Sgl	$ 2.40
947 B	12″	1½″	1″	Sgl.	3.70
947 C	10″	1½″	¾″	Dbl	2.40
947 D	12″	1½″	⅞″	Dbl.	3.70

MALLEABLE CARRIAGE FIFTH WHEELS



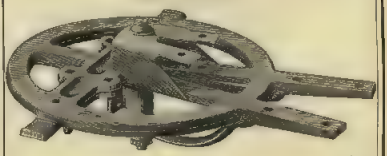
No	Dia.	Spring	Perch		List Price Ea
843 B	10″	1¼″	¾″	Dbl	$ 2.40
843 C	12″	1½″	⅞″	Dbl	3.70
843 R	8″	1¼″	¾″	Dbl	2.40



849 B	12″	1¼″	¾″	Dbl.	$ 2.80

	Diam.	Spring	Perch		List Ea
1043 K	12″	1¼″	¾″	Dbl	$ 3.10

Double Perch



					List Price Ea.
891 B	11″	1½″	1″	¾″	$ 3.80
891 C	12″	1½″	1⅛″	¾″	4.90

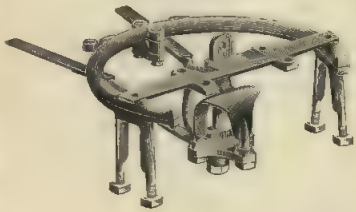
MALLEABLE FIFTH WHEELS Continued

MALLEABLE CARRIAGE FIFTH WHEELS

					Each
844 C	12″	1 1/4″	1″	Sgl	$ 3.70
440 C	10″	1 1/4″	7/8″	Dbl	2.40

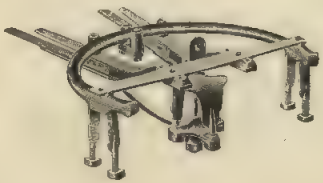
WILCOX GEAR SETS

For Bent Reaches



No	Circle	Iron	Axle	List Price Set
1903	12″	1 1/16″	1″	$ 4.50

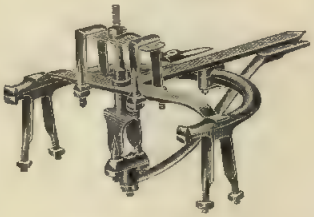
For Straight Reaches



No	Circle	Iron	Axle	List Price Per Set
1934	C—10″	5/8″	1″	$ 4.50
	H—12″	1 1/16″	1″	4.50

BREWSTER WHEELS

No. 99 BREWSTER WHEELS



WROUGHT CIRCLES ONLY

			List Price Each
No 99	7/8″x12″x1″	Dbl. Perch	$ 2.50
No 99	3/4″x12″x1″	Dbl. Perch	3.00

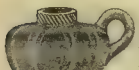
No. 9 DERBY WHEELS

				List Price Each
No 9	3/8″x10″x1″	Sgl	Perch	$ 1.90
No 9	3/4″x12″x1″	Sgl	Perch	2.10
No 9	7/8″x12″x 1″	Sgl	Perch	3.00
No 9	7/8″x14″x1 1/16″	Sgl	Perch	3.00
No 9	1″x14″x1 1/4″	Sgl	Perch	5.20

No. 14A Cincinnati Top

				List Ea
No 4	1 1/4″x12″x1″	Sgl	Perch	$ 1.90
No 14	7/8″x14″x1 1/8″	Sgl	Perch	2.80
No 14	1″x14″x1 1/4″	Sgl	Perch	4.60

KEROSENE LAMPS



LOW

One solid piece of clear glass, with glass collar, into which is moulded a threaded brass ferrule which is impossible to remove without breaking the lamp. No plaster paris to disintegrate.

Per Doz

No. LH1—No. 1 collar; height 3¼ ins; oil capacity 20 ozs $6 30

Six doz in barrel; wt per barrel 150 lbs.

PLANTATION HAND

Polished brass; burns without chimney; diameter of base 3½ inches; oil capacity 1 pint.

Per Doz

No. 2F—Flat burner and wick; height over all 2¼ ins $6 75

Half doz in cardboard box; wt per doz 5 lbs.

BRACKET

Cast iron bracket, bronzed finish, made to swing right or left, fitted with glass fount with side filler and screw cap. No. 2 Paull's all brass burner, No. 2 Blue Ribbon crimp top, lead chimney; reflector all glass, silvered, highly polished, with tin support, and adjustable to any position with a swivel joint; oil capacity one quart. Complete as illustrated.

Nos.	74	75	76
Reflector, ins.	8	9	10
Per Doz	$42 00	45 00	48 00

Packed loose; wt per doz about 60 lbs.

Cast iron bracket, bronze finish, made to swing right or left, fitted with glass fount, with side filler and screw cap. No. 2 Paulls, all brass burner, No. 2 Blue Ribbon crimp top lead chimney. Reflector all glass and silvered, with tin support, securely fastened on the back; oil capacity one quart.

Complete as illustrated.

Nos.	77	78	79
Reflector, ins.	8	9	10
Per Doz	$36 00	39 00	42 00

Packed loose; wt per doz about 90 lbs.

JAXON

Consists of glass fount, bright steel wire frame, polished tin reflector, No. 2 burner, No. 2C lamp chimney, No. 2 F wick; oil capacity 1½ pints.

Per Doz

No. J—Complete in quantities of less than 5 doz $11 70

No. J6—Complete in quantities of 6 doz or more 11 25

Six doz in barrel; wt per barrel 115 lbs.

Per Doz

No. JRB—Bracket and reflector only $2 52

Packed loose; wt per doz 3¼ lbs.

KEROSENE LAMPS

KITCHEN

Consists of glass fount, japanned metal frame, corrugated tin reflector, No. 2 burner, No. 2C lamp chimney, No. 2F lamp wick. Oil capacity 1½ pints.

Per Doz

No. 20C Complete in quantities of less than 6 doz $11 55

No. 20C6 Complete in quantities of 6 doz or more 10 80

Six doz in barrel; wt per barrel 150 lbs.

Per Doz

No. 20—Fount and frame only $5 10

No. 20F—Fount only 3 15

Packed loose.

EXTRA FOUNTS FOR BRACKET LAMPS

Heavy crystal glass; side filler; brass screw cap. Will fit any of the above Bracket Lamps.

No. 2

Per Doz $5 40

Packed loose.

MAMMOTH STORE HANGING ROCHESTER

Height of fount and burner 10¾ in.; diameter of fount 6 in.; capacity of fount 1 gallon; 20 inch corrugated shade, bright inside, green outside; No. 3 Rochester chimney and wick; length over all with harp 36 inches.

Has safety lock band, top and bottom screw, wick lift, double circular cone, patent chimney lift, detachable burner.

Each

No. 108—Brass $12 60

Fount in cardboard box, harp wrapped in paper, shade loose; wt each 4¼ lbs.

BELGIAN

Heavy brass with center draft Belgian burner, consumes about one-third less oil and creates less heat than the ordinary burner.

Height of fount and burner 10¾ inches; diameter of fount 6 inches; holds 1 gallon of oil.

Length of lamp and harp 36 inches.

Complete with 30½ in. harp, 20 inch corrugated tin shade, bright inside, green outside; No. 00 Belgian chimney and No. 2 Rochester wick and indicator to show the amount of oil in fount.

Each

No. 12B—Polished brass $12 60

Fount in cardboard box, harp wrapped in paper, shade loose; wt each 4 lbs.

KEROSENE LAMPS

ROSETTE

Stand and chimney moulded from one piece of highly colored and ornamented glass. No. 2 shrunk on collars; complete with chimney and No. 2 burner.

Assortment consists of 12 lamps, three each of assorted colors. Per Ass't

No. 812—Height over all 19 ins..... **$30 00**

One ass't in barrel; wt per ass't 75 lbs.

ORION DECORATION

Clear glass moulded stand with decorated bowl and chimney. Complete with chimney and No. 2 burner.

Assortment consists of 15 lamps as follows: 9 stand lamps, height over all 18⅛ inches; 3 stand lamps, height over all 19 inches, and 3 sewing lamps, height over all 17½ inches.

Per Ass't

No. 015—Wt per ass't 75 lbs..... **$30 00**

One ass't in barrel.

STAND AND SEWING ASSORTMENTS

Moulded in one piece of clear, white crystal glass with glass collar, into which is moulded a threaded brass ferrule which is impossible to remove without breaking the lamp. This is a new feature and greatly superior to the old style pinched or shrunk on collarswhich come loose in a very short time.

Assortment consists of 6 each of the following lamps described. Prices do not include burner and chimney.

	Stand.			Sewing.
Size Collar, No.	2	2	2	2
Height, ins	9½	9¾	10¼	8¾
Capacity oil, oz	16	18	20	21

Per Ass't

No. 65—Wt per ass't 115 lbs..... $27 60

(Sold in full assortments of 24 lamps only.)

SEWING LAMP ASSORTMENTS

Prices do not include burner and chimney. Per Ass't

No. 68—Assortment contains 6 each of above patterns; size collar No. 2; ht 8¾ ins; cap oil, 25 ozs..... **$25 20**

(Sold in full assortments of 24 lamps only.)

Nos. 65 and 68 one ass't in barrel; wt per ass't 115 lbs.

Per Ass't

No. 68-1—Assortment contains 3 each of above patterns; size collar No. 2; ht 8¾ ins; cap oil, 25 ozs..... **$13 20**

(Sold in full assortments of 12 lamps only.)

One ass't in carton; wt per ass't 42 lbs.

KEROSENE LAMPS

Moulded in one piece of clear white crystal glass; with glass collar on which is crimped a No. 2 brass threaded ferrule which can not be removed without breaking lamp. This is a new feature and far superior to the old style of pinched or shrunk on collars which soon become loose.

(C-Sewing) (A-Stand.) (B-Stand.) (C-Stand)

Assortment consists of 24 lamps, each fitted with No. 2 brass collars, 6 each of the following types and sizes: C-sewing 8¾ inches high, capacity 27 ounces, A-stand 9 inches high, capacity 16 ounces, B-stand 9½ inches high, capacity 20 ounces and C-stand 10⅛ inches high, capacity 26 ounces. Per Ass't

No. 66—Ass't complete as above described..... **$19 80**

(Sold only in full assortments of 24 lamps.)

One ass't in bbl; wt per ass't 105 lbs.

C-SEWING LAMPS

Moulded in one piece of clear white crystal glass; with glass collar on which is crimped a No. 2 brass threaded ferrule which can not be removed without breaking lamp. This is a new feature and far superior to the old style of pinched or shrunk on collars which soon become loose.

Per Doz

No. 69-1—Height 8¼ ins; capacity 27 ozs..... **$9 75**

(Sold in full cartons only.)

One doz in carton; wt per doz 40 lbs.

A-STAND LAMPS

Moulded in one piece of clear white crystal glass; with glass collar on which is crimped a No. 1 brass threaded ferrule which cannot be removed without breaking. This is a new feature and far superior to the old style of pinched or shrunk on collars which soon become loose.

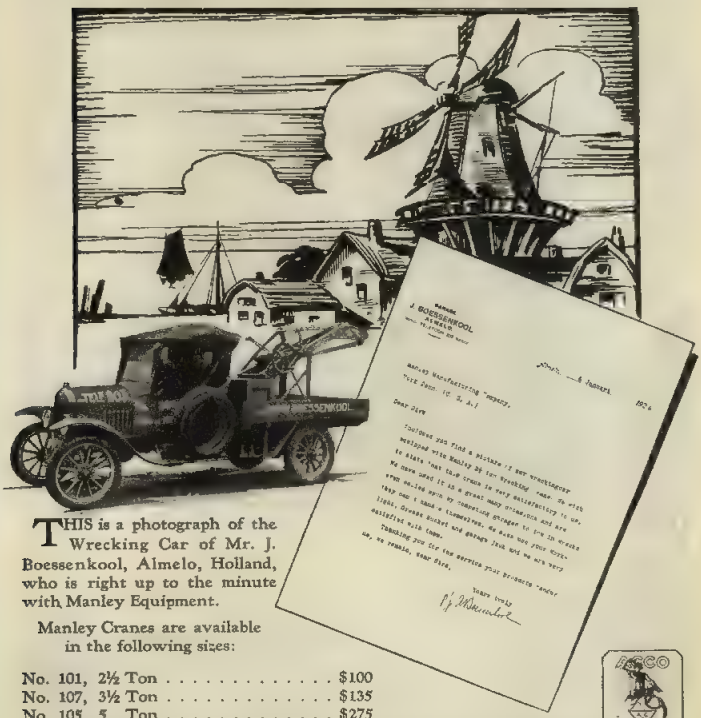
Per Doz

No. 61-1—No. 1 collar; height 7¾ ins; oil capacity 10 ozs..... **$7 05**

(Sold in full cartons only.)

One doz in carton; wt per doz 36 lbs.

In Holland they use Manley Cranes



THIS is a photograph of the Wrecking Car of Mr. J. Boessenkool, Almelo, Holland, who is right up to the minute with Manley Equipment.

Manley Cranes are available in the following sizes:

No. 101, 2½ Ton	$100
No. 107, 3½ Ton	$135
No. 105, 5 Ton	$275

MANLEY MFG. CO., YORK, PA.

AN ASSOCIATE COMPANY OF AMERICAN CHAIN COMPANY, Inc.
STANDARDS for your safety

TO THIS HOSTESS ENTERTAINING IS A DELIGHT

Her dinners or informal parties are at once the envy and admiration of her friends. Gracious, unhurried, without effort, she anticipates her guests' every want. For this excellent hostess has at instant command a corps of efficient, silent, dependable servants — her Manning-Bowman electrical appliances.

At her house, Sunday supper is a real occasion. Before her, in a stunning Manning-Bowman urn, the coffee bubbles cheerfully, intriguing the appetite with its inviting aroma. On her Manning-Bowman table stove, some unusual dish reaches a magic perfection, while by her side the waffles attain a golden delicacy that earns the praise of the most jaded epicure.

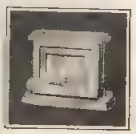
The Manning-Bowman Company have designed and manufactured electrical appliances from the viewpoint of the women who will use them. They embody the most modern elements that make for efficiency, dependability, long life and convenient use. And each one has such exquisite beauty of line, finish and workmanship that it is a most graceful addition to any table service.

Manning-Bowman Electric Waffle Iron. Exceptionally handsome and compact. Easy to keep bright and attractive.
H6394, Price.. $21.25

Manning-Bowman Electric Iron. Correctly balanced and rounded corners for greatest efficiency. Beautifully finished.
H6396, Price....$7.10

Grecian Urn Electric Percolator Set
Silver plated on nickel silver. Set complete—four pieces, nine cup urn with Ivoroid handles. Nine ounce covered sugar and nine ounce gold lined cream, 12x16 inch tray with Ivoroid handles.
H6397, Price

The Manning Bowman Electric Table Stove has many features you'll like. Handsomely designed and durable.
H6395, Price $17.70



Manning-Bowman Electric Toaster Oven type. Very efficient and handsome.
H6398, Price..$12.05

RIFLES

AMERICAN MADE

Manufactured by Page-Lewis Arms Co.

TARGET, MODEL A

Lever Action, Take Down.

Exclusive safety feature; action can not be opened while hammer is cocked; rifle can not be fired until action is locked. 20 inch round blued steel take down barrel, plain ejector, with bead front and open rear sights; oval oil finished walnut stock and fore end; length over all 34 inches.

Each

No. A-22—22 caliber; shoots 22 shorts; 22 longs and 22 long rifle; wt each 4 lbs.....$15 45

One in carton; 10 in wood case.

HAMILTON, SINGLE SHOT

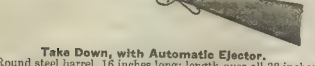
Take Down. 16 Inch Barrel.

Round steel barrel, 16 inches long; length over all 30 inches; fitted with front knife blade sight and adjustable open rear sight; plain stained stock and fore-end; blued steel butt plate. Weight 2¾ lbs.

Each

No. H2722—22 caliber; shoots **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP $6 60

Ten in a wood case.



Take Down, with Automatic Ejector.

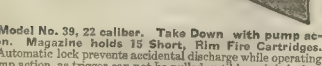
Round steel barrel, 16 inches long; length over all 30 inches; fitted with front knife blade sight and adjustable open rear sight; walnut stock and fore-end; rifle butt stock with steel plate.

Each

No. H02722—22 caliber; shoots **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP $7 56

Ten in wood case.

HAMILTON, REPEATING



Model No. 39, 22 caliber. Take Down with pump action. Magazine holds 15 Short, Rim Fire Cartridges.

Automatic lock prevents accidental discharge while operating pump action, as trigger can not be pulled until breech is locked in firing position. Pump action is automatically locked when rifle is loaded and ready to fire. A trigger lock in the gun just back of trigger may be used to prevent accidental discharge when rifle is loaded. This lock is not automatic. Barrel is bronze lined, accurately rifled, with solid steel breech. Front sight knife pattern, rear sight open and adjustable; stock and forearm genuine walnut turned. Length over all 35 inches. Length of barrel assembly when taken down, 21¼ inches. Weight about 4 lbs. each.

Each

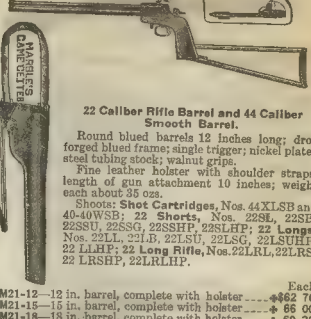
No. H3922—22 caliber; shoots 22 short rim fire cartridges.....$25 20

One in cardboard box; 10 in wood case.

GAME GETTER GUNS

MARBLE'S DOUBLE BARREL

Single Shot.



22 Caliber Rifle Barrel and 44 Caliber Smooth Barrel.

Round blued barrels 12 inches long; drop forged blued frame; single trigger; nickel plated steel tubing stock; walnut grips.

Fine leather holster with shoulder straps; length of gun attachment 10 inches; weight each about 35 ozs.

Shoots: **Shot Cartridges,** Nos. 44 XLSB and 40-40WSB; **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22 LLHP; **22 Long Rifle,** Nos. 22LRL, 22LRS, 22 LRSHP, 22LRLHP.

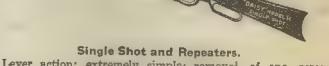
Each

No. M21-12—12 in. barrel, complete with holster....✦$62 70
No. M21-15—15 in. barrel, complete with holster....✦ 66 00
No. M21-18—18 in. barrel, complete with holster....✦ 69 30

One in wood case.

AIR RIFLES

DAISY—Lever Action.



Single Shot and Repeaters.

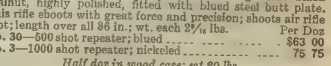
Lever action; extremely simple; removal of one screw enables user to remove all parts for inspection or replacement. Peep rear sight and Rocky Mountain front sight; black walnut stock; length over all 31½ ins; weight each 1 11/16 lbs.

Per Doz

No. 12—Single shot; shoots air rifle shot and 17/100 darts; blued finish.....$37 50
No. 11—500 shot, repeater; shoots air rifle shot only; nickel finish.....50 25

One doz in wood case; wt 26 lbs.

DAISY—Lever Action.



Magazine repeater; lever action, loads by operating the lever; shooting barrel provided with patented shot retainer that enables the user to shoot downward without losing the shot.

Steel barrel and frame; turned stock of genuine black walnut, highly polished, fitted with blued steel butt plate. This rifle shoots with great force and precision; shoots air rifle shot; length over all 36 in.; wt. each 2 1/16 lbs.

Per Doz

No. 30—500 shot repeater; blued.....$63 00
No. 3—1000 shot repeater; nickeled.....75 75

Half doz in wood case; wt 20 lbs.

✦F. O. B. Michigan Factory Only.

AIR RIFLES

DAISY

Automatic Pump Action, Repeater. Take Down Model.

A real rifle with genuine pump action, that can be fired repeatedly from the shoulder; the loading action is automatic; the smoothest and easiest action ever invented. Operates by pulling the slide toward the stock; fires rapidly from the shoulder; the magazine having a forced feed.

Blued steel barrel and frame, non-rusting; genuine black walnut stock, hand polished; adjustable sights front and rear. Magazine holds about 75 shot. Length over all 38 ins.

Per Doz

No. 25AR—Repeater, 75 shot; shoots air rifle shot only; wt each 3¼ lbs $126 00

Each

No. P25—Extra shooting barrel for No. 25AR air rifles $1 65

Six in wood case; wt 25 lbs.

DAISY, MILITARY TYPE

Lever Action, Repeater. With Bayonet.

Beautiful walnut stock; all metal parts blued finish; rear sights are open and adjustable; front sight is of the knife type; adjustable strap for carrying; rubber tipped detachable bayonet for drill use. Has forced feed so that it can be fired in any direction without losing a shot.

Per Doz

No. 40—50 shot repeater; shoots air rifle shot only; length over all, including bayonet 45 ins; wt each 3½ lbs $126 00

Half doz in wood case.

DISPLAY RACKS

FOR DAISY AIR RIFLES

Heavy cardboard rack, lithographed in twelve colors, accommodates three guns, making a very attractive display, and will greatly increase the sale of Daisy Air Rifles.

Each

No. 1DDR—Delivered free of charge to dealer ordering 12 or more Daisy Air Rifles of one No. or ass't. ..... ✤Free

✤**F. O. B. Michigan Factory Only.**

AIR RIFLES

NEW KING

Single Shot.

Lever action, loads by operating lever.

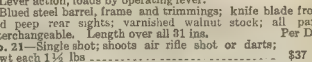
Blued steel barrel, frame and trimmings; knife blade front and peep rear sights; varnished walnut stock; all parts interchangeable. Length over all 31 ins.

Per Doz

No. 21—Single shot; shoots air rifle shot or darts; wt each 1½ lbs $37 50

One doz in wood case; wt 25 lbs.

NEW KING



500 Shot Repeater.

A well balanced repeater; shoots with force and accuracy. All parts interchangeable.

Barrel and frame one-piece blued steel; open rear sight; walnut finished stock; length over all 31 ins.

Per Doz

No. 22—Shoots air rifle shot; wt each 1⅝ lbs $44 25

One doz in wood case; wt 25 lbs.

NEW KING

1000 Shot Repeater.

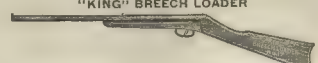
Hammerless magazine repeater, easy lever action; heavy blued steel barrel and frame; selected walnut stock; loads automatically and shoots air rifle shot with great force and accuracy. 1000 shot one at a time.

Per Doz

No. 55-AR—Length 35 ins; wt each 1¾ lbs $50 25

One doz in wood case.

"KING" BREECH LOADER



Combination Dart and Shot Rifle.

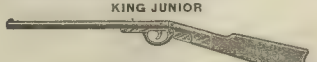
Gun blue steel barrel and all metal parts; stock select walnut, neatly finished. It breaks about the center of the rifle, and has an automatic locking device. The shot is placed in the shot seat on the front end of the rear portion of the barrel; the dart is inserted point first in the rear end of the front barrel.

Per Doz

No. 17—Length over all 32 ins $63 00

One doz in case; wt per doz 2¼ lbs.

KING JUNIOR



Single Shot.

Designed especially for the younger boys not large enough for a heavy air rifle.

Steel barrel, hardwood ebony finished stock; good sights and perfect action; length over all 29 ins.

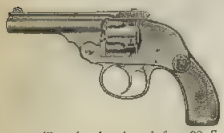
Per Doz

No. 10AR—Nickel plated barrel and frame; wt each 1½ lbs $22 80

One doz in wood case.

HARRINGTON AND RICHARDSON DOUBLE ACTION REVOLVERS

HAMMERLESS AUTOMATIC



Hinged frame; hammerless model; automatic shell ejector; independent cylinder stop; checkered rubber stocks. The .22 caliber is chambered for .22 short, .22 long and .22 long rifle rim fire cartridges. The .32 caliber is chambered for .32 S & W center fire cartridges. The .38 caliber is chambered for .38 S & W or .38 Colt New Police center fire cartridges.

No.	522	532	538
Caliber	22R.F.	32C.F.	38C F
Capacity of Cylinder, Shots	7	5	5
Length of Barrel, Inches	3	3	3¼
Weight, Oz.	13	13	17
Nickel Plate Each	$16.50	16.50	16.50
Blued Each	16.50	16.50	16.50

HAMMER AUTOMATIC

Hinged frame; hammer model; automatic shell ejector; checkered rubber stocks. The .32 caliber is chambered for .32 S & W. .32 S & W long and 32 Colt New Police center fire cartridges. The 38 caliber is chambered for .38 S & W and .38 Colt New Police center fire cartridges.

No.	632	638
Caliber	32C F	38C.F
Capacity of Cylinder, Shots	6	6
Length of Barrel, Inches	3¼	3¼
Weight, Oz.	16	16
Nickel Plated Each	$15.00	15.00
Blued Each	15.00	15.00

PREMIER HAMMER AUTOMATIC

Hinged frame; hammer model; automatic shell ejector; checkered rubber stocks. The .22 caliber is chambered for .22 short, .22 long and .22 long rifle rim fire cartridges. The 32 caliber is chambered for .32 S & W center fire cartridges.

No.	722	732
Caliber	22R.F.	32C F
Capacity of Cylinder, Shots	7	5
Length of Barrel, Inches	3	3
Weight, Oz.	13	12
Nickel Plated Each	$15.00	15.00
Blued Each	15.00	15.00

YOUNG AMERICA HAMMER

Solid frame; hammer model; hand ejector; checkered rubber stocks. The .22 caliber is chambered for .22 short and .22 long rim fire cartridges. The .32 caliber is chambered for 32 S & W center fire cartridges.

No.	922	932
Caliber	22R F	32C F
Capacity of Cylinder, Shots	7	5
Length of Barrel, Inches	2	2
Weight, Oz.	8½	9
Nickel Plated Each	$6.00	6.00

HARRINGTON AND RICHARDSON DOUBLE ACTION REVOLVERS

TARGET HAMMER AUTOMATIC

Hinged heavy frame, hammer model automatic shell ejector; blued finish; checkered walnut stocks. Cold front sight.

Chambered for .22 short, rim fire; .22 long, rim fire also .22 Long rifle cartridges.

No. 622T Capacity of cylinder, 7 shots; length of barrel, 6 inches; length overall, 10 inches. Weight, 16 ounces.....Each, $12.00

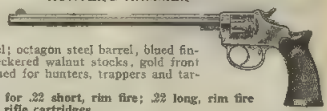
TRAPPER'S HAMMER

Solid steel frame; hand ejector; hammer model; octagon steel barrel; blued finish; hand checkered walnut stocks. Gold front sight. Especially designed for trappers; hunters; campers and target practice.

Chambered for .22 short, rim fire; .22 long, rim fire also .22 Long rifle cartridges.

No. 96 Capacity of cylinder, 7 shots, length of barrel, 6 inches; length overall, 10 inches. Weight, 12¾ ounces.....Each, $7.85

HUNTER'S HAMMER



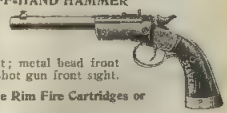
Solid steel frame; hand ejector; hammer model; octagon steel barrel, blued finish; hand checkered walnut stocks, gold front sight. Designed for hunters, trappers and target practice.

Chambered for .22 short, rim fire; .22 long, rim fire also .22 Long rifle cartridges.

No. 99 Capacity of cylinder, 7 shots; length of barrel, 10 inches; length overall, 14 inches. Weight, 14 ounces.....Each, $8.50

SINGLE SHOT TARGET PISTOLS

STEVENS OFF-HAND HAMMER

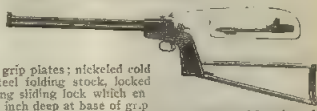


Tip up action; round blued steel barrel with octagon breech; steel frame; selected black walnut stocks with metal cap; sporting rear sight; metal bead front sight. No. 36, .410 gauge has shot gun front sight.

Chambered for .22 Long Rifle Rim Fire Cartridges or .410 Gauge Shells.

No.	35	35	36
Chambered For	.22 R.F. Ctgs.	.22 R.F. Ctgs	.410 Gauge Shell
Length of Barrel, In.	6	8	8
Length Overall, In...	9½	11⅛	11⅛
Weight, Ounces	24	27	25
Blued Each	$12.50	13.25	13.25

MARBLE'S GAME GETTER GUN



Single shot; round blued steel barrel; drop forged blued steel frame; walnut grip plates; nickeled cold rolled sheet steel folding stock, locked by a very strong sliding lock which enters a notch ⅛ inch deep at base of grip. Single trigger. Striker on hammer is adjustable to either barrel, as desired. Hammer rebounds to safety notch after firing. Ejector partially ejects from both barrels at the same time. Equipped with Marble's flexible rear peep sight and gold bead front sight. Trigger guard must be pulled back to open breech. Complete with finest quality leather holster and carrying strap.

Upper Barrel is Chambered for .22 Short, .22 Long and .22 Long Rifle Rim Fire Cartridges

Lower Barrel is Chambered for .410 Gauge (2½ in. Shell), .44—40 Shot and .44—40 Round Ball Cartridges

No.	M12	M15	M18
Length of Barrel, Inches	12	15	18
Length Overall, Inches	27	30	33
Weight, Lbs.	2¼	2⅛	2⅝
Each	$25.50	27.00	28.50

IVER JOHNSON DOUBLE ACTION REVOLVERS

Positive cylinder lock, and the famous "Hammer the Hammer" patented safety device, which makes accidental discharge impossible. Barrels and other working parts are made of carefully selected hammer forged, open hearth steel. Parts on which especially hard wear comes are made of Vanadium steel. Cylinders are milled from hammer refined steel of finest quality.

SAFETY HAMMERLESS AUTOMATIC

Hinged frame, automatic shell ejector; hammerless model; checkered rubber stocks. The .22 caliber is chambered for .22 short, .22 long and .22 long rifle rim fire cartridges. The .32 caliber is chambered for .32 S & W center fire cartridges. The .38 caliber is chambered for .38 S & W center fire cartridges.

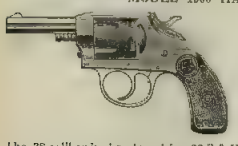
No.	122	132	138
Caliber	.22R.F.	.32C.F.	.38C.F
Capacity of Cylinder, Shots	7	5	5
Length of Barrel, Inches	3	3	3¼
Weight, Oz.	13¼	14	19
Nickel Plated Each	**$17.50**	**17.50**	**17.50**
Blued Each	**17.50**	**17.50**	**17.50**

SAFETY HAMMER AUTOMATIC

Hinged frame, automatic shell ejector; hammer model, checkered rubber stocks. The .22 caliber is chambered for .22 short, .22 long and .22 long rifle rim fire cartridges. The .32 caliber is chambered for .32 S & W center fire cartridges. The .38 caliber is chambered for .38 S & W center fire cartridges.

No.	232	232	238
Caliber	.22R.F	.32C.F.	.38C.F
Capacity of Cylinder, Shots	7	5	5
Length of Barrel, Inches	3	3	3¼
Weight, Oz.	13	13¼	18½
Nickel Plated Each	**$16.00**	**16.00**	**16.00**
Blued Each	**16.00**	**16.00**	**16.00**

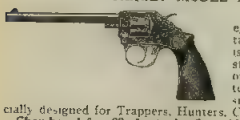
MODEL 1900 HAMMER



Solid frame; hand ejector; hammer model, checkered rubber stocks. The .22 caliber is chambered for .22 short, .22 long and .22 long rifle rim fire cartridges. The .32 R. F. caliber is chambered for .32 rim fire cartridges only. The .32 C. F. caliber is chambered for .32 S & W center fire cartridges only. The .38 caliber is chambered for .38 S & W center fire cartridges only.

No.	822R	832R	832C	838C
Caliber	.22R.F.	.32R.F.	.32C.F.	.38C.F
Capacity of Cylinder, Shots	7	5	5	5
Length of Barrel, Inches	2½	2½	2½	2½
Weight, Oz.	10½	12	12	17
Nickel Plated Each	**$6.00**	**6.00**	**6.00**	**6.00**

TARGET MODEL HAMMER



Solid steel frame; hand ejector; hammer model; octagon steel barrel; blued finish; hand checkered, walnut stocks. Constructed throughout of highest grade material, and the action is quick, smooth and positive. Especially designed for Trappers, Hunters, Campers and Target practice.

Chambered for .22 short, rim fire; .22 long, rim fire, also .22 long rifle cartridges.

No.	196	199
Capacity of Cylinder, Shots	7	7
Length of Barrel, Inches	6	9½
Length Overall, Inches	10	13½
Each	**$7.85**	**8.50**

EXTRAS FOR IVER JOHNSON REVOLVERS

PERFECT GRIPS

Perfect Grips. Hard rubber checkered.. .Per Pair, $....

WESTERN GRIPS

Plain Western Walnut Grips ....Per Pair, $ ...

Fancy Western Walnut Grips .....Per Pair, $....

Note: When ordering Perfect or Western walnut grips be sure to specify kind of revolvers, calibers and number of shots of the arm to which the stocks are to be fitted

EXTRA LENGTH BARRELS

Length, Inches	4	4½	5	6
Per Inch	**$0.50**	**.50**	**.50**	**.50**

U. S. DOUBLE ACTION REVOLVERS

HAMMERLESS AUTOMATIC

Hinged frame, drop forged barrel, accurately drilled and rifled. Working parts all forged and properly tempered. Automatic shell ejector; hammerless model, checkered rubber stocks. The .32 Caliber is Chambered for .32 S & W Center Fire Cartridges. The .38 Caliber is Chambered for .38 S & W Center Fire Cartridges.

No.	1232	1238
Caliber	32C F	38C.F.
Capacity of Cylinder, Shots	5	5
Length of Barrel, Inches	3	3¼
Weight, Ounces	13½	18
Nickel Plated Each	**$15.50**	**15.50**
Blued Each	**15.50**	**15.50**

HAMMER AUTOMATIC

Hinged frame; drop forged barrel, accurately drilled and rifled. Working parts are all forged and properly tempered. Automatic shell ejector; hammer model; checkered rubber stocks. The 32 Caliber is Chambered for .32 S & W Center Fire Cartridges. The .38 Caliber is Chambered for .38 S & W Center Fire Cartridges.

No.	1332	1338
Caliber	.32C.F.	.38C.F.
Capacity of Cylinder, Shots	5	5
Length of Barrel, Inches	3	3¼
Weight, Ounces	13½	18
Nickel Plated Each	**$14.00**	**14.00**
Blued Each	**14.00**	**14.00**

SINGLE SHOT RIFLES.

STEVENS. TAKE DOWN.

No. 12. MARKSMAN.

.22 Caliber.

No. 12. Marksman. 20 inch round tip-up barrel; blued frame; chambered for .22 short, .22 long and .22 long rifle cartridges; plain lever; positive extractor; full oval stock; shot gun butt with rubber butt plate; bead front and open rear sights. Designed especially for smokeless powder ammunition. Wt. each, 4 lbs. ..... Each **$8 00**

No. 27. FAVORITE.

Calibers: .22 and .25.

No. 27. Favorite. 24 inch octagon barrel; the .22 caliber will handle the .22 long rifle, .22 long and .22 short rim fire cartridges; the .25 caliber handles the .25 Stevens rim fire cartridges; lever action; automatic ejector in .22 caliber only; plain extractor in .25 caliber; blued frame; walnut stock; shot gun butt; rubber butt plate; Rocky Mountain front sight and sporting rear sight. Wt. each, 4½ lbs. ..... Each **$9 80**

No. 17. FAVORITE.

.22 Caliber.

No. 17. Favorite. 24 inch round barrel; chambered for .22 long rifle, .22 long and .22 short rim fire cartridges; otherwise same as No. 27 Favorite. Wt. each, 4½ lbs. Each **$9 25**

HAMILTON. TAKE DOWN.

No. 27.

.22 Caliber.

Chambered for .22 Caliber Short or .22 Long Rim Fire Cartridges.

No. 27. 16 inch round bronze lined barrel. Gumwood stock with walnut finish; has hammer action exceedingly simple and of few parts; an automatic ejector; solid breech block; fitted with front knife and open rear adjustable sights. The length from muzzle to butt is 30 inches. Wt. each, 2½ lbs. ..... Each **$2 85**

No. 027. 16 inch round bronze lined barrel. The Model No. 027 is in every way identical in its component parts to Model 27, with the exception of the equipment of stock and fore-arm, Model 027 being fitted with a handsomely finished and turned stock and fore-arm of genuine American walnut. The length from muzzle to butt is 30 inches. Wt. each, 2¼ lbs. ..... Each **$3 25**

SINGLE SHOT RIFLES.

HAMILTON.

No. 43. BOLT ACTION.

.22 Caliber.

Chambered for .22 Short or .22 Long Rim Fire Cartridges.

No. 43. 16 inch round bronze lined barrel; birch stock and fore-arm, walnut finish; front sight is knife pattern, rear sight open and fixed for true aim; entire length of rifle, 35¼ inches. Wt. each, 3 lbs. ..... Each **$4 00**

GAME GETTER GUNS.

MARBLE'S.

Two Guns in One—One Gun for All Game.

A more accurate .22 cannot be found. The shot cartridges for small furred and feathered game almost equal 28 gauge. The .44 ball is very accurate and powerful at medium range. Smokeless powder may be used with perfect safety and slight recoil.

Two combinations, with barrels 12, 15 or 18 inches.

1. Upper barrel .22 caliber, rifled; chambered for Short, Long and Long Rifle cartridges. Lower barrel, smooth for .44 caliber and .410 gauge (12 m/m) 2 inch brass or paper shot shells, also .44 and .410 ball cartridges (not conical bullet).

2. Upper barrel .22 caliber. Lower barrel for .410 gauge 2½ inch (only) paper shot or ball cartridges.

Important Features: Single trigger—striker is adjustable to either barrel instantly; hammer—rebounds to safety notch after firing; receiver lock—trigger guard is pulled back to open breech; ejector—partially ejects from both barrels at same time; folding stock—is held rigidly in position by sliding lock; sights—rear sight has stationary Buckhorn with large U notch, also Leaf with small U notch, and folding peep with 3/32 inch aperture; front sight has 1/16 inch gold bead.

Specifications: Frame, drop forged; finish, blued; stock, formed from sheet steel, nickeled; grip plates, walnut; holster, finest strap leather. Get Marble's Game Getter Gun catalog for complete information and record of results with cuts of actual targets.

No. M21—12 in. Wt., 2 lbs., 11 ozs. Holster furnished ..... Each **$24 00**

No. M21—15 in. Wt., 3 lbs. Holster furnished. Each **25 00**

No. M21—18 in. Wt., 3 lbs., 5 ozs. Holster furnished. ..... Each **$26 00**

AIR RIFLES.

DAISY.

No. 40. MILITARY REPEATER. TAKE DOWN.

No. 40. This rifle is a handsome 50-shot repeater, lever action. Designed after military rifles; has a regular army adjustable sling for carrying and is equipped with detachable, rubber-tipped bayonet. Metal parts are finished in gun blue. Beautiful walnut finished stock. The rear sights are open and adjustable; the front sight is of the knife type. Length, 45 ins., including bayonet. Wt., 3¾ lbs..Each $5 00
One in a box, 6 in a case.

No. 25. PUMP ACTION REPEATER. TAKE DOWN.

No. 25. Take-down model. Operates by pulling the slide toward the stock; fires rapidly from the shoulder, the magazine having a forced feed; thirty shots per minute, at the will of the operator; a strong and accurate shooter for men and boys; metal parts in gun blue; stock, genuine black walnut, hand polished; adjustable rear sight; magazine holds 50 air rifle shot. Length, 38 ins. Wt., 3¼ lbs.Each $5 00
One in a box, 6 in a case.

No. 3. 1000 SHOT. REPEATER.

No. 3. Magazine repeater, lever action; magazine holds 1000 air rifle shot and loads by operating the lever; turned stock walnut finished, highly polished; metal parts beautifully nickeled; shoots with great force and accuracy; this rifle will please all boys. Length, 36 inches. Wt., 2 lbs. 9 ozs. .....Each $3 00
Six in a case.

No. 30. 500 SHOT. REPEATER.

No. 30. Automatic repeater, with lever action; same construction as No. 3, but the barrel is three inches shorter and the magazine holds 500 air rifle shot; blued finish; for boys wanting a high grade repeater that is somewhat shorter than the No. 3; length, 33 inches. Wt., 2 lbs. 7 ozs...Each $2 50
Six in a case.

No. 11. 350 SHOT. REPEATER.

No. 11. Automatic repeater, with lever action; magazine holds 350 shot; a very sturdy air rifle that will appeal to boys; single-piece steel barrel, beautifully nickeled; walnut finished stock. Length, 31½ ins. Wt., 1 lb. 12 ozs.Each $2 00
One dozen in a case.

AIR RIFLES.

DAISY.

No. 12. SINGLE SHOT.

No. 12. Lever action; single shot; blued finish; walnut finished stock; shooting barrel removable and shoots either air rifle shot or 17-100 darts. Length, 31½ inches. Wt., 1 lb. 12 ozs. .....Each $1 50
One dozen in a case.

BENJAMIN.

SINGLE SHOT.

Benjamin. Single shot, take down. Shoots with compressed air—not a spring gun. The air is compressed by a stroke or two of the pump rod; each additional stroke gives increased force Shooting power is always under control. Safe, reliable, and accurate; fully guaranteed; length 36 inches—when taken down, 24 inches. Barrels are bright nickel; turned walnut stock. Wt. each, 2½ lbs..Each $5 00
One in a box, one dozen in a case.

CROSMAN PNEUMATIC.

Pell.

The Crosman Pneumatic Rifle is 36 inches long and weighs 5½ pounds, just right for steadiness. The propelling force is air, placed under tremendous pressure by means of a lever that folds up out of sight under the barrel. The power depends upon the number of lever strokes. The trigger pull is light and smooth. Breech mechanism is of bolt action type, rugged and fast. The .22 caliber barrel is of fine blue steel, rifled with painstaking care. Adjustable peep-sight and special front blade-sight enable an accurate marksman at 100 feet to do precision shooting comparable with that of any powder-using .22.

The Crosman Pell is a spool-shaped bullet, with rounded nose and deeply concave base. This is the most accurate type of bullet of light weight known to give a flat trajectory. Up to the standard 50-yard distance, it has great striking power and startling accuracy. At greater range, the force is soon spent so that it can be used in crowded communities where everyday .22 caliber fire-arm bullet might be dangerous. Packed, 250 in a box.

Crosman Pneumatic .. ..Each $16 00
Pells ....Box 60

HUNTING KNIFE ASSORTMENTS

MARBLE'S

Hardwood case mahogany finish; glass front; green velvet lined sliding tray for displaying various size knives. Back is provided with drop door to compartment for storage of sheaths and extra knives. Equipped with rubber feet to prevent marring of glass or wood counter. Tube sheaths furnished with all knives.

Assortment consists of the following models:

		Retail Value
2	—No. 41—4½ in. Ideal Hunting Knife	$2 50
2	—No. 42—5 in. Ideal Hunting Knife	3 50
2	—No. 45—6 in. Ideal Hunting Knife	3 00
2	—No. 46—7 in. Ideal Hunting Knife	4 00
2	—No. 545—5 in. Rxpert Hunting Knife	2 50
2	—No. 49—4½ in. Woodcraft Hunting Knives	2 25
2	—No. 50—4½ in. Woodcraft Hunting Knife	3 00
2	—No. 83—4½ in. Safety Hunting Knife	3 50
2	—No. 78—4 in. Safety Fish Knife	1 50
2	—No. 79—2 in. Trout Knife	75
	Total Retail Value	$53 00
	Cost to Dealer	38 55
	Dealers Profit	$14 45

Pkg Ass't.

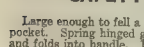
No. D20M—Length 20 ins; depth 12 ins; height front 2 ins; height back 8½ ins ✦$116 55

One ass't in carton; wt per ass't 80 lbs.

SAFETY POCKET AXES

MARBLE'S

Large enough to fell a tree, yet small enough to carry in the pocket. Spring hinged guard is lined with lead, nickel plated and folds into handle. Blades finest tool steel and fully warranted.



Guarded.

Each

No. D6—Solid steel blade and bit, 2⅛x4¾ ins; selected hickory handle 12 ins long; wt each 20 ozs $5 25

Sixth doz in cardboard box.

Guarded.

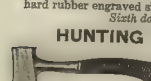
Each

No. D2—Solid steel blade and bit, 2⅜x4 ins, polished steel handle, nickel plated, 11 ins long, fitted with black hard rubber engraved side plates; wt each 20 ozs $7 50

Sixth doz in cardboard box.

HUNTING OR SCOUT AXES

ESTWING



High carbon tool steel head and handle, forged in one piece, oil tempered; solid sole leather washers forced on and riveted to handle, polished and lacquered finish. Hide leather sheath, neatly designed to allow the use of axe for driving without removing.

Each

No. D150—Width of blade 3¼ ins; length over all 14 ins; wt each 24 ozs $4 95

Three in cardboard box.

✦F. O. B. Michigan Factory Only.

SCABBARDS

Heavy cowhide leather, well, stitched and riveted. Provided with snap fasteners for fastening around handle to prevent knife from falling out.

Per Doz

No. 25—Length over all 9½ ins; width 2⅝ ins $5 70

Packed loose; wt per doz 1 lb.

POCKET COMPASSES

TELWAY

Steel case, dead black finish; white dial. The center bearing holding the needle is jeweled, insuring perfect accuracy and delicacy of movement.

Per Doz

No. 1—Diam 1½ ins; wt per doz ¼ lb. $19 50

One in cardboard box.

LEEDAWL

Brass case, highly nickel plated and polished; aluminum dial; full graduation, automatic stop. The center bearing holding the needle is jeweled, insuring perfect accuracy and delicacy of movement.

Per Doz

No. 2910—Diam 1¾ ins; wt per doz ¾ lbs. $33 00

One in cardboard box.

MAGNAPOLE

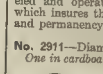
Nickel plated white metal case; white enameled dial; beveled crystal glass; full graduation; automatic stop. The center of needle is jeweled and operates on a ground steel point, which insures the greatest degree of accuracy and permanency.

Per Doz

No. 2911—Diam of dial 1⅞ ins $46 50

One in cardboard box; wt per doz about 1 lb.

GYDAWL



Nickel plated white metal hunting case, with beveled crystal glass; untarnishable silvered metal dial; flat-half-blued steel type needle, with jeweled center and stop which automatically lifts the needle on the special steel point on which it operates, directly the lid is closed.

Per Doz

No. 2914—Diam of dial 1⅞ ins $93 00

One in cardboard box; wt per doz about 1¼ lbs.

CEEBYNITE

Nickel plated hunting white metal case, with beveled crystal glass; aluminum dial of floating design, permanently luminous North and South points. Can be seen at night. The magnetic needle is attached to under side, when the dial settles, all the magnetic directions are accurately read. The center is jeweled and "stop" locks jewel and points when not in use.

Per Doz

No. 2917—Diam of dial 1¾ ins $120 00

One in cardboard box; wt per doz about 1¼ lbs.

MARBLE'S

Water proof screw case. Bracket made like double safety pin. Can be fastened to coat, vest or belt and balances accurately while walking; can not become erratic as a pocket compass.

Per Doz

No. 182—Brass box, 1½ in. diam; stationary dial; agate bearing, needle stops, white celluloid dials printed in black; wt each about 1¼ ozs $41 40

One in cardboard box.

Marble's Outing Equipment

Marble's Hunting Knives

Acknowledged to be the best Sellers of all Hunting Knives

MARBLE'S WOODCRAFT KNIFE

Marble's Woodcraft Knife (No. 49). 4½ inch blade, made of the finest steel, sharpened to a keen edge, finely polished. Proclaimed to be the best all around knife, adapted for skinning, sticking, slicing and whittling. Back is beveled for breaking small bones. Leather handle, aluminum tip. Complete with leather sheath. ½ dozen in box.

No. 10C813.
Each..... 1.50

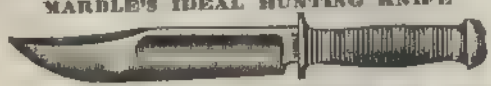
MARBLE'S IDEAL HUNTING KNIFE

Marble's Ideal Hunting Knife (No. 41). Highly polished blade of Razor Steel, adapted for skinning and sticking, bevel ground at back of point for breaking small bones. Handle is formed of washers made of sole leather, red and black fibre, brass bolster with aluminum tip. Complete with leather sheath. ½ dozen in box.

No. 10C809. 5 inch blade.
Each..... 1.85

No. 10C810. 6 inch blade.
Each..... 2.00

MARBLE'S IDEAL HUNTING KNIFE



Marble's Ideal Hunting Knife (No. 45). Highly polished blade of razor steel adapted for skinning and sticking, bevel ground at back of point for breaking small bones. Handle is formed of washers made of sole leather, red and black fibre and brass. Has brass belt and aluminum tip. Complete with leather sheath. ½ dozen in box.

No. 10C811. 5 inch blade.
Each..... 1.85

No. 10C812. 6 inch blade.
Each..... 2.00

Marble's Safety Axes

The handiest tool an outdoor man or boy scout ever carried

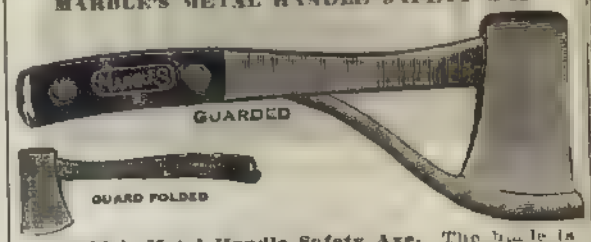
MARBLE'S SAFETY POCKET AXE

Marble's Safety Pocket Axe. A perfect axe for "blazing," clearing a trail etc. solid steel blade, selected hickory handle, nickel plated guard and receiver.

No. 3C230. Weight 16 oz., length 10½ inches. (Mfrs. No. 5)
Each..... 1.35

No. 3C231. Weight 20 oz., length 11¼ inches. (Mfrs. No. 6)
Each..... 1.50

MARBLE'S METAL HANDLE SAFETY AXE



Marble's Metal Handle Safety Axe. The handle is made of tool steel, carefully tempered and sharpened. Handle of drop forged steel, nickel plated with hard rubber side plates. Nicely pearled, spring-hinged guard lined with lead and rivets into the handle.

No. 3C232. Weight 20 oz., length 11 inches. (Mfrs. No. 2.)
Each..... 2.15

No. 3C233. Weight 27 oz., length 11½ inches. (Mfrs. No. 3.)
Each..... 2.35

MARBLE'S WATERPROOF MATCH BOX

Marble's Waterproof Match Box. Absolutely water and moisture proof. Can be opened and closed in the dark. Made of seamless drawn brass, heavily nickeled, ¾ inch inside diameter. Each in carton, 1 dozen in display box.

No. 3C234.
Per dozen..... 4.75

3C235
3C236

MARBLE'S WATERPROOF SCREW CASE COMPASS

Marble's Coat Compass. Made with waterproof screw case, never goes wrong. Does not easily become demagnetized. Made of brass 1½ inches in diameter. The bracket is made like a double safety pin and fastened securely to coat, vest or belt. It has a plain view at all times and balances so readily that direction can be taken while walking. Each in carton, 1 dozen in box.

No. 3C235. Stationery dial.
Per dozen..... 10.20

No. 3C236. Revolving dial.
Per dozen..... 12.00

MARBLE'S POCKET COMPASS

No. 3C237. Stationery dial.
Per dozen..... 8.00

No. 3C238. Revolving dial.
Per dozen..... 10.20

3C237
3C238

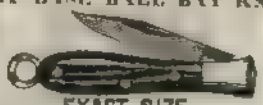
Novelty Miniature Watch Charms

Miniature Charm Razor. Size closed 1⅛ inches. Fitted with shell color celluloid handle and ring for attaching to chain. One dozen on card.
No. 10C282.
Per gross 8.75
Per dozen ..... .75

Miniature Charm Knife.

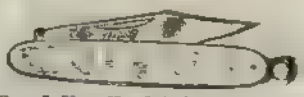
One clip blade, light brown celluloid handle, brass lined, equipped with ring for attaching to chain. Size of knife closed, 1⅛ inches. One dozen in package
No. 10C288. Per dozen..... 1.25

BABY BASE BALL BAT KNIFE

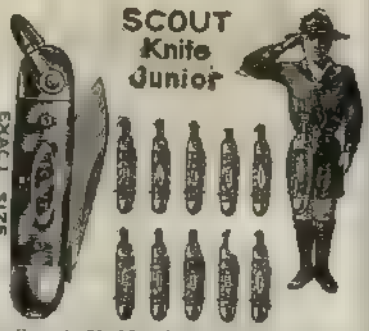


EXACT SIZE

Baby Base Ball Bat novelty Miniature Charm Knife. One clip blade, nickel silver bolster, oak or celluloid handle, with ring for attaching to watch chain. Size of knife closed, 1⅛ inches. One dozen on card
No. 10C291. Per dozen..... 1.80

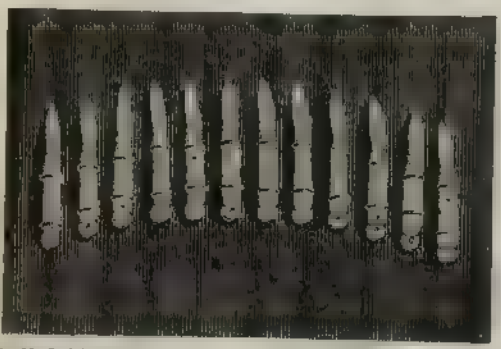


Pearl Handle Miniature Pocket Knife. Novelty watch charm. Size 1½ inches. Has one blade, full polished brass lined, clear pearl handle with ring for attaching to chain. One dozen on card.
No. 10C290. Per dozen..... 2.00



Scout Knife Junior Miniature Watch Charm Assortment. Each knife complete with two spear blade, nickel silver bolsters and shield, assorted scout and shell color celluloid handles shackle for attaching to chain. Size closed, 1⅛ inches. 1 dozen assorted on display card.
No. 10C367. Per dozen..... 2.00

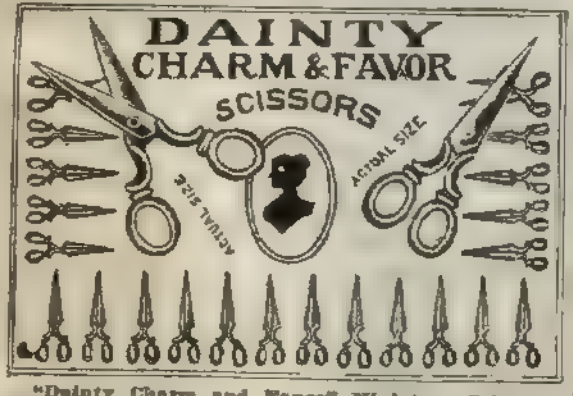
Midget Pocket Knives



Celluloid Handle Midget Pocket Knife. Size open 1⅞ in. Novelty watch charm. One spear blade brass lined celluloid handle, assorted colors Iris Gilt and Ivory polished bolster, ring for attaching chain. One dozen on display card.
No. 10C280. Per dozen..... 1.50

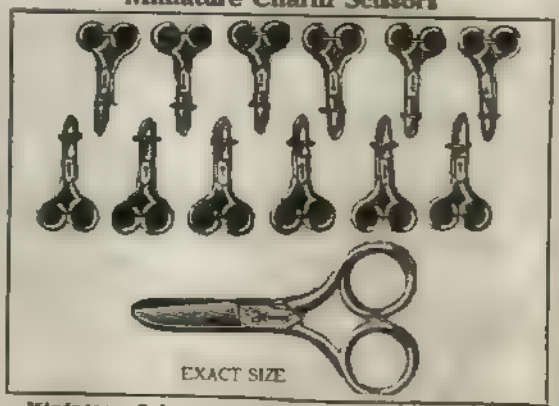
Miniature Razor Charms

Miniature Razors. Size Closed 1¾ Inches. Novelty watch charm, a replica of a straight razor. Fitted with pearl handles and ring for attaching to chain. **One Dozen on Card.**
No. 10C279. Per dozen..... 2.00



"Dainty Charm and Favor" Miniature Scissors. Size 1¾ inches long. Made of steel, brightly polished. A unique novelty that can be used as a watch charm or favor. Two dozen on display card (No less sold)
No. 12C90. Per dozen .75
Per gross 4.75

Miniature Charm Scissors



Miniature Scissors. Size 1⅛ inches. A most attractive novelty watch charm. An exact reproduction of pocket scissors. Made of steel, nickel plated blades, gold plated handles. Fitted with screw-head rivet. One dozen on card.
No. 12C88. Per dozen..... 1.50

WHISTLES AND CALLS

DUPLEX WHISTLE

Brass nickel with plated chain.

Per Gro

No. 21—Length 2¾ ins; wt per doz 11 ozs $75 60

One doz in cardboard box.

GENUINE ECHO CALL

Per Gro

No. 12—Nickel plated, with ring, length 2 ins $69 00

One doz in cardboard box; wt per doz 10 ozs.

ECHO PATTERN

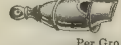
Brass, nickel plated, with ring.

Per Gro

No. 10—Length 1¾ ins $45 00

One doz on card, six cards in carton; wt per doz 9 ozs.

BRITANNIA



Britannia Metal.

Per Gro

No. 2—Length 1¾ ins; wt per doz 7 ozs $45 00
No. 3—Length 2 ins; wt per doz 10 ozs 51 00
No. 4—Length 2½ ins; wt per doz 18 ozs 75 60

One doz in cardboard box.

Assorted Colors.

Per Gro

No. 57—Length 2 ins $69 00
No. 58—Length 2⅝ ins 94 50

One doz in cardboard box.

HORN

Polished horn curved lip; light weight.

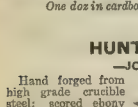
Per Doz

No. 1H—Length 2½ ins $16 50
No. 2H—Length 2¾ ins 18 00
No. 3H—Length 3 ins 20 40

One doz in cardboard box; wt per doz about 6 ozs.

MATCH BOXES

MARBLE'S WATERPROOF



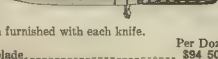
Per Doz

No. 181—Seamless brass, heavily nickel plated; about size of 10 gauge shell; absolutely water and moisture proof; sliding cover provided with rubber basket $14 40

One doz in cardboard box; wt per doz about ¾ lb.

HUNTING KNIVES

—JOHN PRIMBLE—



Hand forged from high grade crucible steel; scored ebony handles. Guard fine grade of bronze. A genuine leather sheath furnished with each knife.

Per Doz

No. D2JPH-6—6 in. blade $94 50

Half doz in cardboard box; wt per doz 9 lbs.

HUNTING KNIVES

—JOHN PRIMBLE—

Hand forged from high grade crucible steel and mounted with a cast metal guard. Scales are genuine ebony. Handle scored to give a perfect grip.

Per Doz

No. D3JPH-6—6 in. blade $28 50

Half doz in cardboard box; wt per doz 4½ lbs.

—JOHN PRIMBLE—

Tang entire length of handle with aluminum butt securely held by large countersunk brass nut. Handle constructed of sole leather rings. Genuine leather sheath furnished with each knife. Length blade 4¾ inches; length over all 8¾ inches.

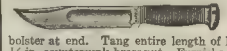
Per Doz

No. D111—Forged steel blade $50 25
No. D112—Stainless steel blade 66 00

Half doz in cardboard box; wt per doz 6 lbs.

MARBLE'S IDEAL

Forged razor steel blade, hand tempered and tested; fully guaranteed.



Handle constructed of leather washers with brass bolster at end. Tang entire length of handle and fitted with ½ in. countersunk brass nut. Furnished with tube sheath and aluminum sheath protector.

Each

No. D41-5—5 in. blade $6 90
No. D41-6—6 in. blade 7 50

Half doz in cardboard box; wt per doz 5½ lbs.

MARBLE'S IDEAL

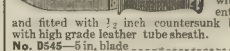
Forged razor steel blade, hand tempered and tested; fully guaranteed. Handle constructed of fibre washers with center composed of two grooved slabs of selected stag horn, securely riveted and driven on tang. Tang entire length of handle and fitted with ½ in. countersunk brass nut. Furnished with tube knife leather sheath.

Each

No. D42-6—6 in. blade $9 30

Half doz in cardboard box; wt per doz about 5½ lbs.

MARBLE'S EXPERT



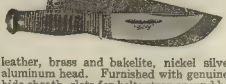
Leather washer handle with aluminum tip. Tang entire length of handle and fitted with 1½ inch countersunk brass nut. Furnished with high grade leather tube sheath.

Each

No. D545—6 in. blade $6 30

Half doz in cardboard box; wt per doz 4 lbs.

TEDDY—WADE AND BUTCHER
Stainless Steel Blade.



Swaged point; file or milled section on shank provides a firm hold for heavy skinning. Handle constructed of richly colored leather, brass and bakelite, nickel silver hilt and polished aluminum head. Furnished with genuine heavy stitched cowhide sheath, slots for belt; strap around handle secured by snap fastener, prevents knife from falling out.

Each

No. D121 Length of blade 4¾ ins; length over all 9½ ins; extreme width 1¼ ins $11 25

Half doz in cardboard box; wt each 8 ozs.

A FULL LINE OF ELASTIC BANDAGES AND SUPPORTERS

SUPPORTERS

3 In. Waist Band, 2 In. Leg Straps, 6 In. Pouch, 10 Ends of Size 36 Rubber. Made from Fine Quality Special Woven Webbing, Allowing Greater Waist Bone Placement and a Longer, More Elastic Pouch. Perfectly Flat Seams, Every Seam Locked to Prevent Ripping. Will Not Chafe. Guaranteed Rip-proof.

Per Dozen

No. 55 Supporter—Small, Medium and Large . . . . . $

Packed in individual blue boxes
One dozen boxes to carton
Weight, 2¼ lbs. per dozen

In Waist Band, 3 In. Leg Straps, 6 In. Pouch, 30 Ends of Size 36 Rubber. Finest Quality Special Felt Yarns Woven with an Attractive Green Stripe through the Center. Perfectly Flat Seams, Every Seam Locked to Prevent Ripping. Guaranteed Rip-Proof. Will Not Chafe.

Per Dozen

No. 50 Supporter—Small, Medium and Large . . . . . $

Packed in individual blue boxes
One dozen to carton
Weight 8 lbs. per dozen

ANKLET

3½ In. Wide, Made with Elastic Gores Stripe. Flat Seams. Will Not Pull or Chafe. Prevents Pinhole and Runaway Stocking. Guaranteed Rip-proof.

Per Dozen

No. A-10 Ankle—Small, Medium and Large . . . . . $

One in individual envelope.
Weight, 1¼ lbs. per dozen

[illegible] Size, 2 [illegible] Made of Fine [illegible] Quality Special Woven Webbing. Perfectly Flat Seams. Will Not Chafe. Guaranteed Rip-proof.

Per Dozen

No. 75 Supporter—Small, Medium and Large . . . . . $

Packed in individual blue boxes
[illegible]
Weight [illegible] lbs. per dozen

[illegible] Rubber. Made from Fine Quality Special Woven Webbing. Perfectly Flat Seams. Every Seam Locked to Prevent Ripping. Guaranteed Rip-proof. Will Not Chafe.

Per Dozen

No. 52 Supporter—Small, Medium and Large . . . . . $

Packed in individual blue boxes
[illegible]
Weight 13½ lbs. per [illegible]

3 In. Waist Band, 3 In. Leg Straps, 6 In. Pouch. Finest Quality Special Woven Webbing with an Attractive Green Stripe Running through the Center. Perfectly Flat Seams. Every Seam Locked to Prevent Ripping. Will Not Chafe.

Per Dozen

No. 48 Supporter—Small, Medium and Large . . . . . $

Packed 1 in a box, 144 in a case.
One dozen to a carton.
Weight, 7½ lbs. per dozen.

WRISTLET

Made of Special Heavy Elastic with [illegible] Stripe Giving Maximum [illegible] Greatest Possible Comfort. Sizes to Fit Any Adult Wrist.

Per Dozen

No. W-30 Wristlet—Medium . . . . . $

One in individual envelope
Weight [illegible] per dozen

KNEE PADS

Made of Fine Mercerized Bandage with an Attractive Green Stripe, with Best Quality Felt Carefully Designed and Securely Sewed in a Horse-shoe Design with Stripes Opposite in the Back to Prevent Binding of Muscles.

Per Dozen

No. K-50 Knee Pad—Medium and Large . . . . . $

One in individual envelope
Weight 2½ lbs. per dozen

Made of Fine Quality Elastic Webbing, 3 In. Wide. Sewing Opening in the Back to Prevent Binding of Muscles. Correct Pads of Best Quality Felt Carefully Designed and Securely Sewed.

Per Dozen

No. K-44 Knee Pads—Medium . . . . . $

One in individual envelope
Weight 2½ lbs. per dozen

KNEE CAP

Made of Pure Mercerized Elastic 6 In. Tube with Woven Green Stripe. Obtainable in All Weave to Fit Perfectly. Can Be Laundered. Guaranteed Perfect Fit.

Per Dozen

No. CK-50 Knee Cap—Large . . . . . $

One in individual envelope
Weight 1½ lbs. per dozen

ELBOW PADS

No. EP-60 Elbow Pad—Medium . . . . . $

One in individual envelope
Weight [illegible] lbs. per dozen

ELBOW CAP

Same as CK-50 Knee Cap . . . . . Per Dozen

No. E-60 Elbow Cap—Medium . . . . . $

One in individual envelope
Weight, 1¾ lbs. per dozen.

MARQUETTE SPACER TOW BARS

Improved Type

Universal in every direction

Showing the secure and easy connection of Tow Bar to the frame ends of a disabled car.

A most useful and efficient towing spacer connection. No service car is complete without one. While bringing in a wreck, this Spacer Tow Bar keeps both cars properly spaced and under absolute control at all times.

It makes the two cars travel as a unit, prevents their bumping together and stops all destructive jerking and sidesway. It permits wrecked cars to be raised but a few inches off the ground while towing, this preventing strain on rear of service car.

Improved design makes them unbreakable. Quick connection is made by inserting pin in vertical position, which forms a common swivel point for both bars. The heavy coupling piece is bolted to the truck. Bars quickly removed for carrying in service car when not in use.

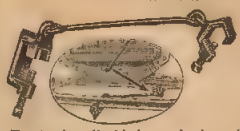
Heavy compression spring in each bar absorbs all shocks. Chain grip locks provide quick, tight fastenings to the disabled car. Universal forks permit a wide latitude of fastenings.

No. F7831—Extended length of arms 50 in., contracted length of arms 36 in., range of adjustment 14 in., w't each 52 lbs.★.....each $44.45

LOOSE

MARQUETTE STEERING GEAR TOW LOCK

A Necessity for Towing Wrecked Cars Backwards



For towing disabled cars backwards whenever necessary.

This Device holds the front wheels in line and enables towing the car backwards as fast and as safely as forwards.

It complies with all state laws regulating towing.

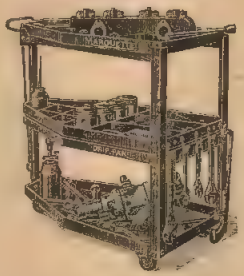
Attached or detached in 20 seconds.

Consists of two crucible steel vices, heat treated and connected by a steel rod.

No. F6198—Fits all cars, w't each 4 lbs.★ .....each $10.55

LOOSE

MARQUETTE PORTABLE SERVICE CART

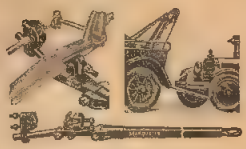


This Cart is equipped with three trays, has room for every tool from a reamer to a heavy power drill. Also an extra tray for placing under motor to catch dripping oil when taking down motor. Helps keep shop clean. It has several handy compartments for rings, pins, pistons, bolts and small parts.

No. F8050—All steel construction. Angle steel posts, strong handle. One swivel caster and two stationary wheels all with bronze bearings and rubber tired. Size overall: height 31½ in., width 18½ in., length 34½ in., w't 60 lbs.★....each $50.00

ONE IN A CRATE

MARQUETTE ONE MAN TOW POLE



Steers the Car Being Towed

One man can tow a car or two cars with this Tow Pole. It saves the time of an extra man sent out to steer the car being towed. Requires no one to steer the car while towing. It steers one or two towed cars in the same tracks as the pulling car. It provides the most economical way for towing new cars from freight yards. Hook-up made in a few minutes. The Marquette fastens to axle and tie rod of towed car. Full universal. When towing car with self-locking steering gear, remove drag links. Strong construction throughout, with ample safety allowances. Every shop, service station and car agency needs the handy Marquette ONE MAN Tow Pole. A valuable addition to your service or wrecking cars. Attachment for tubular axles can be secured at small additional cost.

No. F7830—Length overall 6 ft., w't each 31 lbs.★.....each $40.00

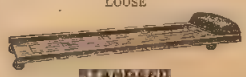
LOOSE

AUTO CREEPERS

Now Furnished With Tool Rack

No. G6173—Designed for use of both auto owners and garage men, hardwood throughout, neatly upholstered roller bearing casters, is handy at all times, and saves your clothes from dirt, oil and grease, w't each 9 lbs.....each $2.75

LOOSE



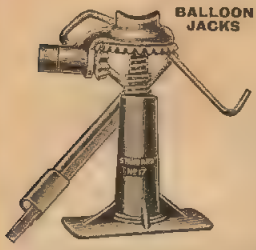
STANDARD

A strong, light-weight creeper, all steel. Frame is riveted and electric-welded with welded steel bands for the bed. Oil-proof cloth head-rest. Four ball-bearing casters.

No. F6140—Model B. Size 15½×39 in., height 2½ in., w't each 13 lbs., each★ $7.20

LOOSE

NATIONAL STANDARD AUTOMOBILE JACKS



BALLOON JACKS

A medium-weight telescoping screw jack for medium-weight cars, with low or high-pressure tires. Long, telescoping handle.

No. C6170—17—Height lowered 7 in., height raised 15 in., cap. 2000 lbs., handle open 45 in., handle closed 26¾ in., suitable for car weighing 5000 lbs., w't each 9 lbs. .each $5.00

BALLOON JACKS

A heavy, telescoping screw jack for the heaviest autos with low or high-pressure tires. Long, telescoping handle.

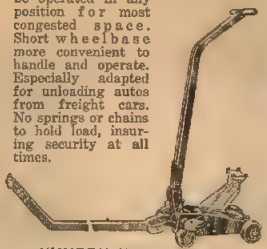
No. C6171—27—Height lowered 7½ in., height raised 14¼ in., cap. 2000 lbs., handle open 45 in., handle closed 26¼ in., suitable for car weighing 5000 lbs., w't each 10 lbs., each $6.65

EASY LIFT GARAGE JACK

All steel and malleable iron, roller bearings equipped throughout. Extension rack bar adjusted to all height axles, steel wheels.

No. C6167—65—Length over all 68 in., length of handle 60 in., height down 8 and 12½ in., height raised 12½ and 17 in., w't 80 lbs., each $80.00

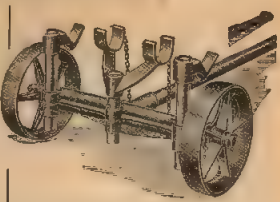
For balloon and high-pressure tires and cars with low axles. Handle can be operated in any position for most congested space. Short wheelbase more convenient to handle and operate. Especially adapted for unloading autos from freight cars. No springs or chains to hold load, insuring security at all times.



"HURRY UP" BALLOON DOLLY JACK

No. F6143—64—Wheelbase 21 in., width 16 in., length overall (including handle) 74 in., height lowered 5 in., height raised 16 in., w't each 128 lbs.★.....each $80.00

LOOSE



"STANDARD" AMBULANCE

Car at extreme points of axle, preventing side sway of load. Adjustable in height. Large roller bearings in housing, protected by steel sleeves, prevents bearings from cutting through housing. Alemite fittings.

No. F6174—70S—**With steel tired wheels,** 14×3 in., w't each 225 lbs., each★ $122.20

No. F6174½—70R—**With rubber tired wheels,** 16×3½ in., w't each 270 lbs.★ .....,each $210.00

MARQUETTE SERVICE JACKS

Model E

MARQUETTE TIRE SERVICE JACK

With the "SURE GRIP"

For changing tires, adjusting brakes, washing wheels, etc.

Employs cantelever lift principle using traveling pawls and a stationary pawl rack.

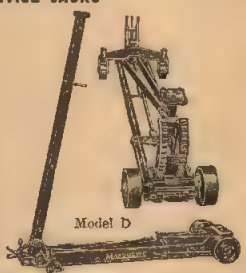
Lifts either end of heaviest car with ease.

Equipped with a new sure grip swivel cap. Steel construction throughout. Drop-forged pawls, heat treated swivel cap.

Simple reversing mechanism. Jack drops automatically to low position after load leaves cap. Safe—it cannot drop while load is on.

Long handle gives a big leverage and clears gas tank, bumpers, trunks, spare tires, etc.

No. F6110—Low 4½ in., high 15½ in., lift 11 in., cap. 1½ tons, w't each 45 lbs.★ .....each $40.00



Model D

MARQUETTE ROLLER LIFT BALLOON JACK

Only 5⅜ in. high. Goes under lowest axle on cars with deflated balloon tires. Quickly stepped up with a foot lever to height of load.

Load rolls up on pinion, floating on axle equipped with Roller Bearings. Five operating positions of handle.

Handle locks upright out of aisle when jack is under car. Large swivel cap can be adjusted 2⅜ in.

To reverse and let load down simply throw in the reverse lever and operate same as when lifting.

Range of adjustment 5½ to 17½ in., lift 11⅞ in., tread 11¼ in., length of body 46 in., cap. 5000 lbs., w't each 112 lbs.

No. F6111—With regular steel wheels★ .....each $75.55

No. F6112—With 4 in. wide steel wheels★ .....each $84.45

No. F6113—With rubber tired wheels★ .....each $102.20

★Items Marked Thus ★ Are Shipped From Factory Only.

MARQUETTE

Registered U. S. Pat. Office

Roller Lift Balloon Jack

Get these features in the next jack you buy—

New, simple, roller-lift principle—*Short strokes from 5 different positions*—Foot lever raises jack to working height—Capacity, 5000 lbs.—Lifts from 5½ in. to 17¼ in.

Net Price $34.00
Pacific Coast, $38.00

Marquette Mfg. Co.
St. Paul, Minn.
U. S. A.

Low, 5½ in. Lifts to 17¼ in.

Manufacturers of

Marquette Heavy Duty Electric Crane; Spacer Bars; One Man Self-Steering Tow Pole; Steering Gear Tow Lock; Oil Service Set; 2-Way Grease Bucket; Air Tower; Shop Service Cart; Universal Press and the *New Marquette Accessory Merchandiser.*

Order from your jobber or write us.

MARQUETTE TIRE SERVICE JACK

A light, handy jack for the service car

—and for shop use, changing tires, adjusting brakes, washing wheels, etc. *It has a 11 inch lift;* low, 4½ in., high, 15½ in.

Net Price $18.00
On Pacific Coast $19.00

MARQUETTE
TIRE SERVICE JACK

AT TOMORROW'S SALES MEETING—*what will you have to tell your men?*

When you come to the subject of "Lost Sales" will you be apologizing to your salesmen, or will they be explaining to you?

If you handle only one car in a single price field, your salesmen can put you on the defensive and keep you there. If you handle a quality car in every price class your salesmen can only blame themselves for their lost sales.

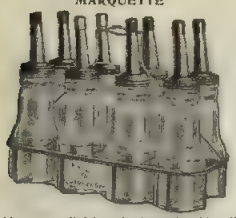
The Willys-Overland franchise gives *complete market coverage*—with quality cars and exclusive features in every price class.

The Whippet and Willys-Knight line, ranging from $625 to $2950, covers 97% of all motor car buyers. The Company's program is progressive, and its policies toward dealers notably fair. Write for particulars today. Sales Department, Willys-Overland, Inc., Toledo, Ohio. Willys-Overland Sales Co., Ltd., Toronto, Canada.

WILLYS-KNIGHT *Whippet*

FINE MOTOR CARS

OIL SERVICE SETS
MARQUETTE



Aluminum finished basket of cold rolled steel, with a substantial steel handle. Entire basket is electrically welded. Crystal clear glass, standard quart bottles that show up the oil to the best advantage. Every bottle is perfect, no colored or cloudy glass. Bottles are marked at standard quart and pint capacity. Air vent of tubing in spout, has a control feature for pouring fast or slow, simply by holding finger over tube. Spouts are durable, copper color, and have dust caps of three different colors to quickly distinguish light, medium and heavy oil. Slope of spout enables easy dispensing for any make of car. The large opening of the spout makes refilling easy with any ordinary pump, without removing spout from bottle. Gaskets provided to prevent leakage. Complete set consists of basket and eight bottles with spouts, gaskets and dust caps.

No. 450 Complete with basket, 8 bottles and 8 spouts. Shipping weight, 19 lbs. . . . . Each, **$4.50**

OIL SERVICE SET PARTS
MARQUETTE

Marquette clear glass oil bottles, Standard quart size. . . . . Per Dozen, **$4.00**
Marquette Oil Service Basket, 8 bottle capacity . . . . . Each, **$2.00**
Marquette Oil Bottle Spouts, ... Per Dozen, **$2.00**

OIL SERVICE SET STANDS
MARQUETTE

Stand provides an attractive display at low cost. Holds a basket of bottles on top and bottom. Beautifully finished in red and black enamel

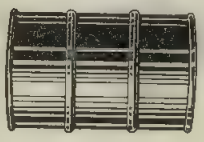
No. 275 Display Stand. Shipping weight, 18 lbs. . . . . Each, **$3.00**

OIL BARREL PUMPS
MARVEL

One quart self-measuring. Measures and delivers, quickly, one quart of oil with each complete action of the piston. Quickly connected with any barrel or drum. Barrel casting is made in sizes to fit different barrel or drum openings. Paint, turpentine, alcohol, linseed oil may be efficiently dispensed with this pump. Has 1½ inch and 2 inch bushing with adjustable intake pipe, painted cylinder, plain handle grip with return drain. Shipping weight, 31 pounds. Furnished in any two colors desired

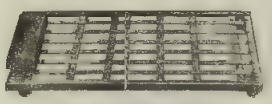
No. 600 Oil Barrel Pump . Each, **$9.90**
Visible Attachment, for above. . Each, **2.50**
Fitted for Wood barrel . . . . . Each, **.50**
Fitted for ¾-inch or 1-inch pipe opening . . . . . Each, **1.30**

DENATURED ALCOHOL
PYRO



Formula 5, proof 188
Alcohol . . . . . Per gallon, **$....**
In Steel Drums, of 52 Gallons

AUTO REPAIR CREEPERS
FOSTER



For Garage and Auto Repair Shops

Construction of metal throughout it is abuse-proof and immune to the deteriorating effect of hard service. An angle iron frame and band bottom securely rivcted guarantees strength and rigidity. An upholstered head rest at one end relieves strain and fatigue. The casters are strong and service able pivoting readily to make the creeper freely movable under load. Finished in a cleanly shade of wear-resisting gray enamel a serviceable and attractive color.

No. 65 Width, 18 inches; length, 30 inches. . . . . Each, **$4.00**
Loose, Not Packed

AUTO WORK SUITS
CRAWFORD

Is a big, roomy, tough, high quality one piece overall for automobile mechanics. Made of khaki. Woven for strength and long life. All main seams triple stitched. Pockets are double stitched and reinforced with double thickness of material. Seams stayed and bar tacked to prevent ripping buttons. Covered to prevent scratching car. Full cut sleeves, body and pants. Allows freedom of action in all positions and makes the suit last longer.

No. 303 Sizes: 36, 38, 40, 42, and 44. . . . . Each, **$5.00**
No. 303 Sizes: 46, 48, and 50. . . . . Each, **$5.50**

BATTERY AND WASH APRONS

CRAWFORD
Rubber Cloth

Made of extra quality rubber cloth light in weight but tough and strong. With grommets and strings.

No. 288 Size 34x49 inches, Each, **$2.25**
No. 289 Size 47x49 inches. . . Each, **$3.25**

Oil Cloth Drill

Made of oil cloth drill, light in weight and serviceable with grommets and strings.

No. 290 Size 38x49 inches, ... Each, **$1.70**
No. 291 Size 47x49 inches. . . . . Each, **$2.25**

SHINO MITTEN DUSTERS

Made from soft cotton yarn chemically treated with Shino chemical treatment, absorbing the dust, polishing the surface and leaving a bright dry finish. Contains no oil or grease to accumulate dirt and dust. Slips on the hand like a glove, fits either hand. The slightest rubbing instantly removes dust or dirt leaving surface in its original lustrous condition. When duster becomes filled with dust it can be washed. The dust absorbing solution remains. You cannot wash that out.

No. 209 Length, 10 inches . . . . . Per Dozen, **$8.00**

SPACER TOW BARS

MARQUETTE

Steel construction. Full universal and bayonet lock made of ⅜ inch boiler plate. Each arm is composed of two steel pipes, one telescoped inside the other which allows a generous extension, has quick acting lock which effects a positive hold at any adjusted length.

Both the forked end and the chain latch lock can revolve entirely around the arm as an axis, which permits gripping any odd shape frame ends or axle of the disabled car.

With the aid of the bumper bar, the driver has absolute control at all times over both cars, as this bar prohibits the towed car from bumping into the service car when going down grade or when quick starts and stops are necessary. Each

No. A-26—Length over all 48 ins; length of arm contracted 27 ins; length of arm extended 48 ins; range of adjustment 16 ins **$63 00**

One in crate; wt each 52 lbs.

AUTOMOBILE JACKS

WALKER, LIFT-A-CAR

Quick Tire Changer.

Malleable iron frame and handle, blue finish; drop forged pawls; hardened steel rack bar and top case.

Foot lift is 3½ inches from ground when lowered. Designed for cars having balloon tires and equipped with bumpers, trunk rack etc. Each

No. A-715A—Capacity 1 ton; height 7½ ins; height of foot 3½ ins; raise 8½ ins; length handle 48 ins **$57 75**

Packed loose; wt each 50 lbs.

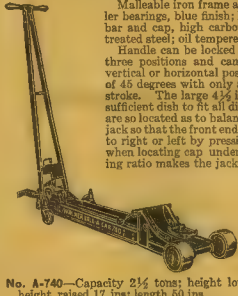
Automobile Jacks are absolutely necessary in every Public Garage.

Jacks shown on this page are the "dependable" kind—built for continuous service.

AUTOMOBILE JACKS

WALKER, ROLL-A-CAR

For Balloon Tires and Cars with low slung Axles.



Malleable iron frame and wheels with roller bearings, blue finish; lifting pawls, rack, bar and cap, high carbon drop forged heat treated steel; oil tempered steel springs.

Handle can be locked rigid in any one of three positions and can be operated in a vertical or horizontal position or at an angle of 45 degrees with only a 12 inch operating stroke. The large 4½ inch square cap has sufficient dish to fit all differentials. Wheels are so located as to balance the weight of the jack so that the front end can be easily swung to right or left by pressing down on handle when locating cap under axle. 43 to 1 lifting ratio makes the jack operate easily.

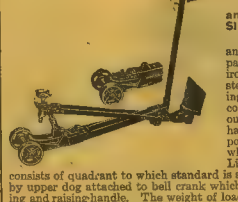
Each

No. A-740—Capacity 2½ tons; height lowered 5 ins; height raised 17 ins; length 50 ins **$117 00**

Packed loose; wt each 120 lbs.

WEAVER LO-WAY

For Balloon Tires and Cars with Low Slung Axles.

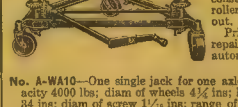


Spring steel frame and mechanism, painted green; cast iron wheels. Solid steel axle, ball bearing and roller bearing construction throughout. Long lever handle held in vertical position by spring when not in use. Lifting mechanism consists of quadrant to which standard is attached and turned by upper dog attached to bell crank which operates by lowering and raising handle. The weight of load is carried by a set of heavy roller bearings in quadrant and by two sets of roller bearings between axle housing and steel axle. Easily guided by turning handle. For general garage use also for unloading automobiles and moving new cars in showroom. Each

No. A-WA20—Capacity 5000 lbs. Minimum height 6 ins; maximum lifting height 14 ins, with extension standard 17 ins **$113 40**

One in bdle K. D. wt each 110 lbs.

WEAVER, TWIN JACKS



Malleable iron and steel construction; ball and roller-bearing throughout.

Private garage, auto repair shop or wherever automobiles are handled Each

No. A-WA10—One single jack for one axle; lifting capacity 4000 lbs; diam of wheels 4¼ ins; length handle 34 ins; diam of screw 1 1/16 ins; range of lift 9 ins; wt each 50 lbs. **$48 00**

No. A-WA12—Extra heavy; one single jack for one axle; lifting capacity 8000 lbs; diam of wheels 6½ ins; length handle 40 ins; diam screws 1¼ ins; range lift 9½ ins; wt each 100 lbs. **78 00**

One in crate.

Merchandise Portrayal

Yesterday it was the master craftsman. Today it is the interpretive craftsman who is just as much an artist as his predecessor. Today he works with modern machinery, modern methods and mechanical contrivances because today his output is not a single thing but runs into the millions. Yet under the skilled eye of today's interpretive craftsmen are beautiful things wrought with true art embodied.

Courtesy of Marshall Field & Company

Reproduced direct from the Page

A MERCHANDISE SUBJECT IN FOUR COLORS

Engraved and printed by the

AMERICAN COLORTYPE COMPANY, CHICAGO AND NEW YORK CITY

Printed on 25 x 38 80 Art Colors

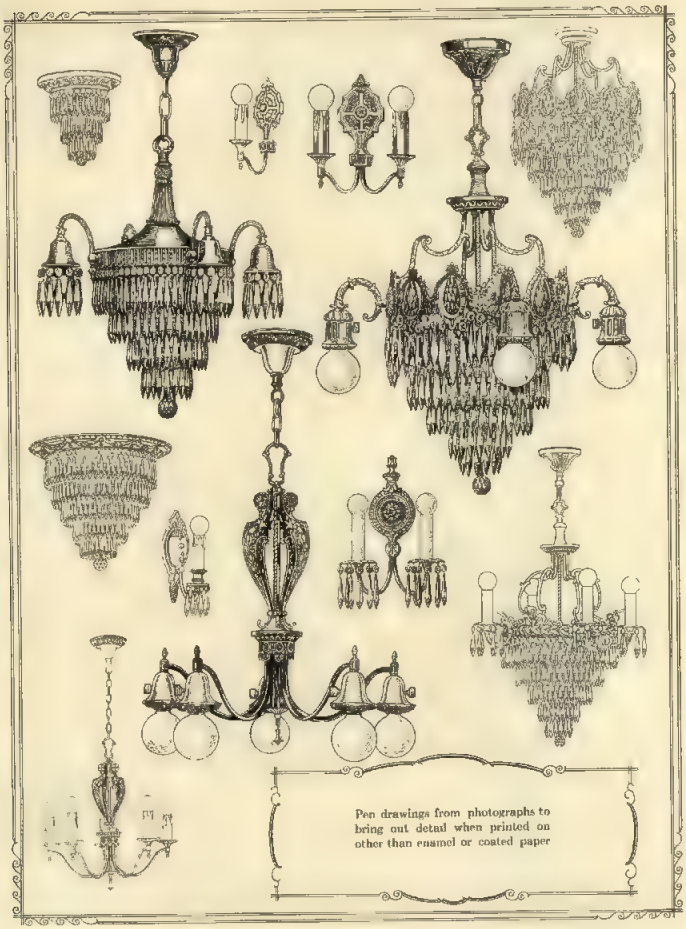
Marx Made
TOP COAT
EXHIBITED AT THE FASHION PAGEANT
a Fine Topcoat
to retail at $25
Other Marx Made Products are Suits, Overcoats, and Trousers for Men, Young Men and Students.
Marx & Haas Clothing Co
1300 Washington Ave. St. Louis, Mo

Courtesy of Marx and Haas Clothing Co. *133 Screen Combination Line and Halftone Plate*

A DIRECT MAIL ADVERTISING ILLUSTRATION

Reproduced from Unretouched photograph, Pen drawing of border and proof of type

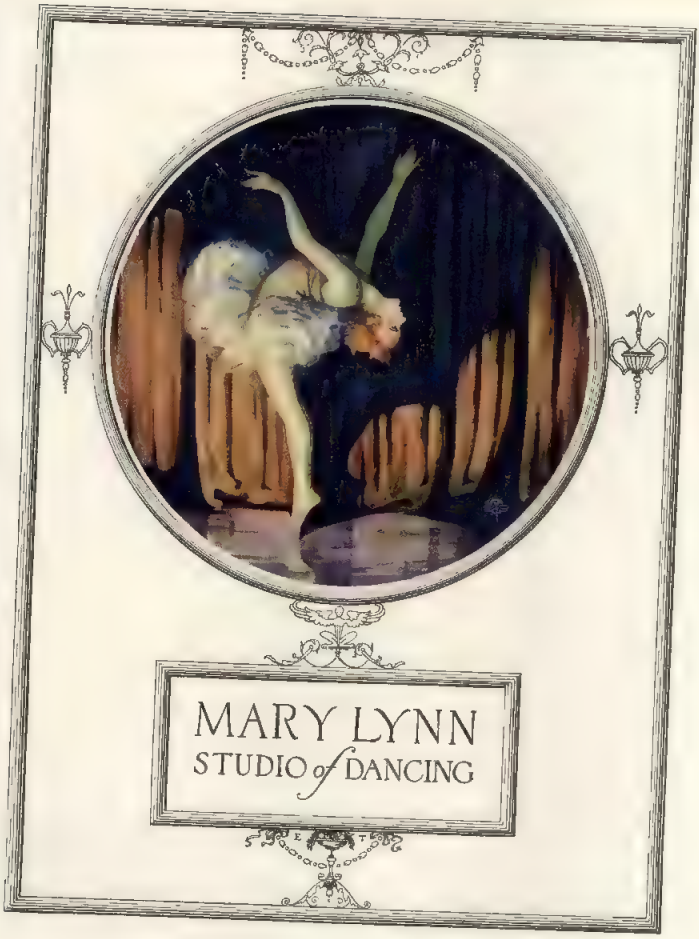
Engraved by WHITAKER-RUEHL ENGRAVING COMPANY, INC., ST. LOUIS



Courtesy of Sears-Roebuck Co *Line Etching on Zinc*

A MAIL ORDER CATALOGUE PAGE

Drawn and Engraved by OSGOOD COMPANY, CHICAGO



A BOOKLET COVER IN FOUR COLORS

150 Screen Four Color Process Plates

Designed and Printed by
KOHN & POLLOCK, INC., Baltimore, Md.

Engraved by
BALTIMORE MARYLAND ENGRAVING CO

EDWIN TUNIS, *Artist*

Courtesy of The Merit Publishing Corporation *Photograph by MacLean, Hollywood*

MAGAZINE STORY ILLUSTRATION FOR "SECRETS"

Reproduced from Photograph made from Models posed in Studio. Line effect in background by placing Bourges Shading Sheet over copy

Engraved by THE CENTRAL ENGRAVING COMPANY, CLEVELAND

CATALOG ILLUSTRATION, PRINTED IN FOUR COLORS, ONE HALFTONE AND THREE ZINC COLOR PLATES

CATALOG ILLUSTRATION, PRINTED IN THREE COLORS, ONE HALFTONE AND TWO ZINC COLOR PLATES

Engraved by HURST ENGRAVING CO., *Printed by* JOHN P. SMITH COMPANY, INC.

ROCHESTER, N. Y.

Painted by Henry Raleigh

Courtesy of Maxwell House Coffee and J. Walter Thompson
120 Screen Four Color Process Plates

A NATIONAL MAGAZINE ADVERTISEMENT

Printed from Lead Mould Nickeltypes

Engraved by McGRATH ENGRAVING CORPORATION, CHICAGO

PARLIAMENT BUILDING, TORONTO

Reproduced direct from framed painting

Painted and Engraved by RELIANCE ENGRAVERS LIMITED, TORONTO, CANADA

MC KINNEY FORGED IRON HARDWARE

SHUTTER DOGS

No.	Ext. Lgth. Ins.	Ext. Width Ins.	Lgth of Lag Screw or Bolt	Per Pair
12810	8	3½	4½	

One Pair in a Box.
Weight per Box, 1¼ Lbs.
Prefix Symbol K for Relieved Iron Finish and DB for Dead Black Iron Finish.

Casement Window Fastener

12900 RIM | 12901 MORTISE | 12902 SURFACE | CASEMENT FASTENER

Size Plate without Strike, 1¼ x 2 Inches. Length Lever Handle from Center of Rivet to End, 3¾ inches. Take Square Stud Screws Size ¾ x 9.

No.	Type of Strike Included	Each
12900	Rim	
12901	Mortise	
12902	Surface	

Five with Strikes and Screws in a Box
Weight per Box, 1¾ Lbs.
Prefix Symbol K for Relieved Iron Finish and DB for Dead Black Finish.

Surface Bolts

Lgth Bolt Ins	Extreme Width Plate Ins.	Size Sq. Stud Screws
4½	1½	¾x9

No.	Each
12830	

Five with Screws in a Box
Weight 2 Lbs.
Prefix Symbol K for Relieved Iron Finish and DB for Dead Black Finish

Drawer Pull

No.	Lgth Ins.	Width Ins.	Sq. Stud Screws	Each
12736	5	1½	¾x9	

Five in a Box.
Weight per Box, 1¾ Lbs.
Prefix Symbol K for Relieved Iron Finish and DB for Dead Black Iron Finish.

Wrenches to Fit Square Stud Screws

No.	Each
10	

Send Us Your . . Mail Orders

FORGED IRON LANTERNS

McKinney

[illegible] Lanterns We Illustrate Here Five Are Large Size Hall Lanterns [illegible] Rust Proofed and Finished in Dull Black With [illegible] Antique Green Copper Finishes. All Lanterns Are Made of Arsco Iron, Subjected to a Rust Proofing Process and Then Given a Final Finish of "Dano" Lanterns are Furnished with Wires, [illegible] but Not Wired

THE NIGHT WATCH

No.	Ht. Ins	Width With Ins.	Wt. Lbs. With Brkt.	Wt. Lbs. Cpy.	Each
15103	1.	7	10	10	

Replacement Mantles Only 6⅝x7¾

THE WAYFARER

No.	Ht. Ins.	Width Ins.	Wt. Lbs. With Brkt.	Wt. Lbs. Cpy.	Each
15101	11¼	6½	7	7	

Replacement Mantles Only 4x5 ins.

THE SALEM

No	Ht. Ins.	Width Ins.	Wt. Lbs. With Brkt.	Wt. Lbs. Cpy.	Each
15100	11	6¼	8	8	

Replacement Mantles Only 6x7 Ins.

THE BELFRY

No.	Ht. Ins.	Width With Brkt.	Wt. Lbs. With Cpy.	Each
16102	8¼	6¼	8	

Replacement Mantle Only 8x4 Ins

THE WICKET

Height 7¼ Inches
Width 4½ inches
Weight With Bracket, 3 Lbs.
With Canopy, 4 Lbs.

No.	Each
15104	

Replacement Mantle Only 3x3¼ Ins.

Hangers for all the Above Lanterns
One in a carton with chain or bracket.

Each

FORGED IRON LANTERN ASSORTMENT

An Assortment has Been Made up for the Trade. A 37 x 12 In. Oak Veneer Panel Finished in Driftwood Grey Given Free with the Assortment. Each Lantern Complete, Wired with Push Plugs for Display Purposes

The Four Lanterns are

		List Each
1 Only No	15100	$22 00
1 Only No	15101	20 00
1 Only No	15102	23 50
1 Only No	15103	24 50

No. 15099

Total List $90 00

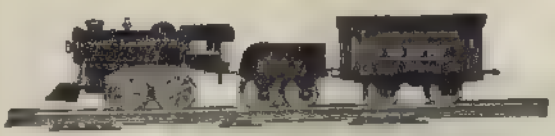
Costs Merchant

Made in America American Flyer "The Train with the Guarantee" Registered U.S. Patent Office MINIATURE RAILROADS

Mechanical Trains

(Mfr's No. 700). **Cast Iron Engine,** 6½ inches; tender, 4 inches; car, 4⅝ inches; 4 pieces of track, length of track 60 inches; length of train, 15½ inches. Each in box

No. 39N117. Per dozen..... 8.50



(Mfr's No. 901). **An Exceptionally Efficient Train** built to meet the popular low price demand without sacrificing quality and performance. The train is 16 inches long and travels many times around its 82-inch circular track in a single winding. Equipment consists of cast iron locomotive with brake, tender and one lithographed car 5 inches in length. Track equipment consists of 8 pieces curved track. Packed each in box

No. 39N120.

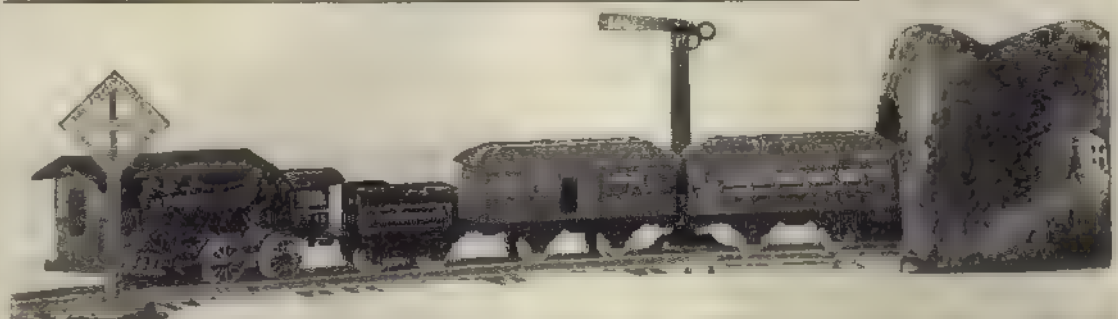
Per dozen..... 11.70 Each . 1.05

(Mfr's No. 2). **Speed Governed Engine,** 6½ inches with piston rods and brakes. Tender 4¾ inches, cars 5½ inches. Baggage car has sliding doors, 8 pieces curved, 2 pieces straight track, length of track 103 inches; length of train 24½ inches. Each in box.

No. 39N121. Each .. 1.70

(Mfr's No 5). **A Train with a Figure 8 Track.** This is a dandy layout with 160 inches of track, making a real trip for any train to cover on schedule. The train is 25 inches long consisting of locomotive which is 7 inches long, speed governed and equipped with piston rods and brake. Baggage car with sliding doors and Pullman car are 5½ inches long. They are lithographed in a very attractive shade of blue and decorated in other harmonious colors. Track equipment consists of 14 pieces curved track and one crossover. Each set in box

No. 39N119. Each..... 2.29



(Mfr's No 19). **A Very Complete Train Set** consisting of a 26-inch long train, tunnel, station and two signals, everything necessary with which to have oodles of fun. Locomotive is 7 inches long, speed governed and equipped with piston rods and filled with imitation coal. Baggage car with sliding doors and Passenger car are each 6½ inches long. They are lithographed in a durable shade of buff and attractively decorated in other colors. Track equipment consists of 8 pieces curved and 4 pieces straight track, forming an oval 125 inches in circumference. Completely packed in one container

No. 39N123. Each..... 3.27

"Made in America" "American Flyer" "The Train with the Guarantee" MINIATURE RAILROADS Registered U.S. Patent Office

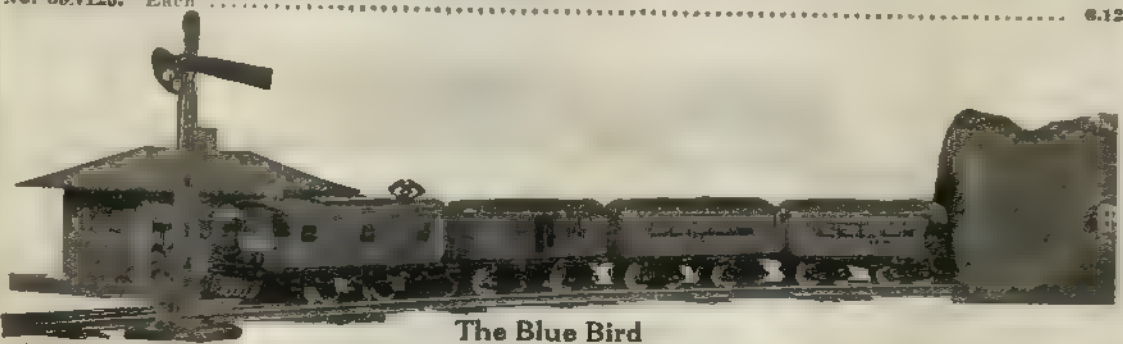
No. 0 Gauge Electric Trains

(Mfr's No. 1102). **The Locomotive is equipped with a recessed protected headlight and nickel plated pantograph. It is 6¾ inches long. Two truck passenger cars, each 5½ inches long, are neatly proportioned and carefully designed; it is complete and very attractive little train. Entire length of the train is 21 inches. Has eight pieces of curved tracks, making an 82-inch circle. Complete with track binding clips and track terminal connections. Complete train set securely packed in a single carton including full setting up instructions.**
No. 39N124. Each..... 5.83

(Mfr's No. 1256). **A Fifteen Speed half-volt step transformer of 75-watt capacity for use on 110-volt DC only. Recommended for satisfactory operation on all "O" Gauge train sets. Each in box.**
No. 39N127. Each..... 2.55

The Broadway Limited

(Mfr's No. 1247). **Equipment consists of:** Locomotive is 8 inches long with protected headlight. It is neatly decorated with nickel plated hand rails, pantograph and bell; has brass number and name plates. Mail car is equipped with sliding doors and is finished in the same color style as Passenger car and Observation car. All cars have double trucks and are 6½ inches long and are equipped with disappearing couplers. Cars and locomotive are finished in Pennsylvania Brown. Track equipment consists of 8 pieces of curved and four pieces straight track together with the necessary track terminal connection and track binding clips to form an oval 122 inches in circumference. Complete train set securely packed in a single carton including full setting up instructions.
No. 39N125. Each..... 6.12



The Blue Bird

(Mfr's No. 1227). **Train is finished in blue.** Equipment consists of: Locomotive is 8 inches long and equipped with brass journal boxes, recessed type protected headlight, nickel plated hand rails, bell and pantograph. Car consists of Mail car with sliding doors, Pullman car of correct design, Observation car with brass platform railing and painted imitation canopy canvas. Accessories are tunnel station and semaphore. All cars have double trucks, are 6⅝ inches long and have disappearing couplers. Track equipment consists of 8 pieces curved and 6 pieces straight track, together with the necessary binding clips and track terminal connection to make an oval 142 inches in circumference. Train set packed complete in a single carton.
No. 39N401. Each..... [illegible]

(Mfr's No. 1306). **Train is finished in thistle green color. Equipment consists of:** Locomotive is 9½ inches long and has automatic truck reverse. Recessed type, fully protected headlight. Combination baggage and mail car has four sliding doors and one interior electric light. Pullman car has one interior electric light. **Observation car has polished brass railing and one interior electric light. All cars are 9½ inches long and are equipped with four-wheel trucks and brass vestibule steps. Track equipment consists of 8 pieces curved and 8 pieces straight track, 8 reverse clips, together with the necessary binding clips and track terminal connection, forming an oval 142 inches in circumference. Complete train set packed in a single carton.**
No. 39N402. Each..... 10.61

20th Century Flyer

Per Set.

N74368—TWENTIETH CENTURY FLYERS—Very clever and ingenious idea. First time an airplane and train working in combination have been successfully put in a mechanical toy. Airplane flies around and under the tunnel, the airplane propeller in the nose revolves above, flying around at the same pace as the trains. Sets, 16d inches. Packed one in a box 16.00

New York to Paris Monoplane

Per doz.

N74048—NEW YORK TO PARIS MONOPLANE. 8d x 6 — of metal, aluminum finish. This toy is drawn by a string along the floor turning the wheels, tips the wing so that the plane "banks" in a very realistic manner. The propeller spins when the plane is in motion. The wheels are equipped with rubber tires. Length, 8 inches, with a 10-inch wing spread. Packed one in a carton 16.80

Hiway Henry

Per doz.

N73907—HI-WAY-HENRY—As it wobbles along its front rears up from time to time, then drops down and the car starts off again. The radiator cap quivers incessantly and the driver's head bobs constantly in and out. The sudden low aerial rocks from side to side with each jolt of the car as the fat old lady listens to the radio. Packed one in a carton 16.80

Speedway

Per doz.

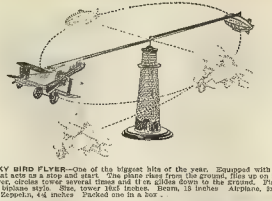
N74330—JUNIOR SPEEDWAY—A junior adaptation of the popular Mac Speedway. Similar in construction to the Mac, but has a starter and track balls for two cars. Diameter, 16 inches. Packed one in a box 14.00

Dutch Mill

Per doz.

N74329—MAC DUTCH MILL—This is a Gravity Sand Toy, dumping sand through the hopper into the mill, will set the little dutch man into motion and rotate the wings of mill. Set up ready for action. Fitted out with bag of sand and steel container Height 13 inches. Packed one in a box. Per doz. 16.00

Sky Bird Flyer



Per Set.

N74364—SKY BIRD FLYER—One of the biggest hits of the year. Equipped with a brake that sets in a start and start. The plane rises from the ground, flies up on its own power, circles tower several times and then glides down to the ground. Finished in bronze style. Size, tower 16d inches. Beam, 13 inches. Airplane, 2x4 inches. Expands, 4-4 inches. Packed one in a box 16.00

Whirling Jockey Race

Per doz.

N74831—WHIRLING JOCKEY RACE—Give it a whirl and see which horse wins. A horse race game without a motor. It is hand operated, strongly built and a very interesting scoring game. Size, 11x18x3 inches. Packed one in a box 16.00

Miniature Train

Per doz.

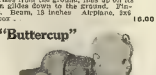
N74041—CAROUSEL TRAIN Brightly lithographed train set including station, tunnel overhead walk with engine and two passenger cars attached to moving platform. Diameter, 9 inches 16.00

Safety First

Per doz.

N74042—SAFETY FIRST—Brightly lithographed street scene with gasoline station, four arches with suspended lamps, gasoline pump and sign, four pedestrians, two autos, one running, one parked. When traffic officer raises hand car stops. Size, 9x8½ inches 16.00

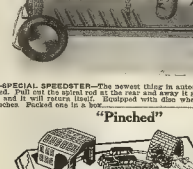
"Buttercup"



Per doz.

N73995—MECHANICAL BUTTERCUP—Taken from the comic pictures of the original J. Murphy cartoons. Painted in attractive red and yellow colors. Turn the crank and the arms and legs move and the head shakes, giving a very realistic motion. Length, 9 inches. Height, 9 inches. Packed each in box 16.00

Special Speedster



Per doz.

N74088—SPECIAL SPEEDSTER—The newest thing in automobile racers—no winding required. Pull out the spiral rod at the rear and away it goes. Push it away backwards and it will return itself. Equipped with disc wheels and bumper. Length, 14½ inches. Packed one in a box 14.40

"Pinched"

Per doz.

N74366—PINCHED—MOTOR cycle cop hides behind station and shoots out quickly, stops and pinches auto driver. Here is something that is run daily on our roads and its action in a mechanical toy is most humorous. Size, 10x3½ inches. Packed one in a box 18.00

City Tractor Set

Per doz.

N74009—MECHANICAL CITY TRACTOR SET—Four pieces, a tractor with driver, a sweeper, dirt cart and a roller. These pieces can be attached separately to the tractor. Finished in attractive green color with red wheels. Length, 16½ inches. Packed one set in box 16.00

Main Street

Per doz.

N74367—MAIN STREET Portrays Main Street—a street that is the life of every town in the country, no matter how large or small, with six different types of vehicles moving in both directions on Main Street. It is finished in very careful detail, carrying out Main Street in all its phases. Size, 24x3⅝x2¾ inches. Packed one in a box 16.00

Double Loop-the-Loop

Each.

N74833—DOUBLE LOOP-THE-LOOP—A miniature figure seated on a hand car in the most natural position, comes down an incline, whirls through a loop, then through a second loop, and after reaching the end of the track, returns the same way. With one winding of the motor it will repeat approximately ten times. Size, 16x2½x3½ inches. Packed one in a box 2.88

Single Loop-the-Loop

Per doz.

N74832—LOOP-THE-LOOP—A toy that is pleasing to the eye and perfect in operation. Watch the little car roll down the incline and loop-the-loop, then loop again on the return trip. Between twenty and thirty trips with one winding of the motor. Length, 24 inches. Packed one in a box 16.00

Kingsbury Steel Mechanical Toys

Dump Truck

Per doz.

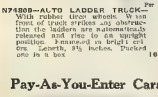
N74807—AUTO DUMP TRUCK—With gong and rubber tired wheels. Length, 9 inches ... 16.00

Auto Fire Engine

Per doz.

N74808—AUTO FIRE ENGINE—With gold bronze boiler, gong and rubber tired wheels. Length 9 inches ... 16.00

Ladder Truck



Per doz.

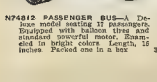
N74809—AUTO LADDER TRUCK—With rubber tired wheels. Swivel front of truck carries any observation the ladders are automatically released and rise to an upright position. Painted in bright colors. Length, 9½ inches. Packed one in a box ... 16.00

Pay-As-You-Enter Cars

Per doz.

N74810—PAY-AS-YOU-ENTER CAR—Made of stamped metal, lithographed in orange and gold. An exact model, with rubber-lined wheels, a bell, and a strong spring motor. Length, 9 inches. Height, 5¾ inches ... 21.00

Airplane



Each

N74811—AIRPLANE Equipped with extra motor rubber-tired wheels arranged to run straight ahead or in circles on the floor, constructed of steel, enameled and decorated. Length, 15 inches. Height, 6½ inches. Wing spread 15 inches ... 2.40

Passenger Bus

Each

N74812 PASSENGER BUS—A Deluxe model seating 12 passengers. Equipped with balloon tires and standard powerful motor. Enameled in bright colors. Length, 15 inches. Packed one in a box ... 3.25

Sunbeam Mystery Car

Each

N74830—SUNBEAM RACER Modeled after the car in which Major Segrave established the record of 207 miles per hour. Each car is an exact reproduction, and carries the personal effects of Major Segrave. Length, 18½ inches. Packed one in a carton ... 3.80

Roadster

Each

N74814—CUSTOM BUILT ROADSTER—Low sport model. Made of heavy metal. Red and yellow enamel, two-tone finish, black fenders, red disc wheels with rubber tires. Equipped with a powerful spring motor. Size, 15x4¼x5¼ inches. Packed one in a carton ... 3.80

Sedan

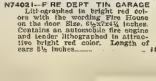
Each

N74815—CUSTOM BUILT SEDAN A beautiful model. Made of heavy metal body and fenders, two tone enamel finish, black fenders, red disc wheels with rubber tires. Equipped with a powerful spring motor. Size, 15x4¼x5¼ inches. Packed one in a carton ... 3.80

Tin Garages

Per doz.

N74819—TIN GARAGE WITH MECHANICAL AUTOMOBILE The garage is lithographed in imitation wood and stucco finish with a slanting roof. Size, 6½x4¼x4¼ inches. The car is two-tone finish, spring mechanism. Ford type sedan car in two-tone finish. Measurement of the car is 2¾x3¾ inches. Packed one set in box ... 16.00



Per doz.

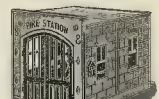
N74026 TIN GARAGE WITH TWO MECHANICAL AUTOMOBILES—Garage lithographed in attractive orange and red coloring, slanting roof. Size, 6½x8¼x4¼ inches. Contains one touring car and a limousine lithographed in attractive bright colors of blue and red with disc wheels and chauffeurs. Length of car 4 inches. Packed one set in box ... 18.00

Passenger Bus

Per doz.

N74021—FIRE DEPT TIN GARAGE Lithographed in bright red colors with the wording "Fire Station" on the door. Size, 6½x7¼x4¼ inches. Fire automobile in red and gold tender lithographed in attractive bright red color. Length of cars 5¼ inches ... 18.00

Fire Stations



Each

N74813—FIRE STATION Open the alarm box on the side and pull it the alarm bell rings one round and doors automatically fly open. Fire engine which is wound up to side is released and dashes out. Alarm bell, fire engine and station lithographed in beautiful bright and harmonious colors and handsomely decorated. Size, 18x8x9 inches. Length of engine, 5 inches ... 2.80

Fire Alarm Lamp Post

Per doz.

N74381—ELECTRIC FIRE ALARM—A regular fire box on a corner lamp post with an electric bulb and battery. Turn the handle and ring the bell. Press the button and light the lamp. Height, 12½ inches ... 18.72

Electric Gasoline Pump

Each

N74382—ELECTRIC GAS PUMP You'll be a wonderful boy made to order for this pump. Just watch as the handle is turned a bell rings for every gallon and a pointer revolves showing the number of gallons. When it reaches 5 and again at 10 the light flashes. This toy comes complete with battery and bulbs. Packed one in colored display box. Height, 13 inches. Base, 7 inches ... 3.60

Dancing Dolls

Per doz.

N74879 MAMMY DANCING DOLL—A lithographed metal doll 8 inches high. Operated by a specially noted lithographed metal base. Makes one sensible, grinning "Mammy" the appearance of dancing. Packed one to a printed box ... 4.00

N74877 BETTY, THE DANCING DOLL—All metal, brightly lithographed in colors. Mechanical dancing action. Height 8 inches ... 4.00

Dancing Clown

Per doz.

N74878—JOHNNY, THE DANCING CLOWN — Appropriately colored lithographed metal figure with a mechanical dancing action. Height, 8 inches ... 4.00

Adding Machine

Each

N74710—SUMTOY ADDING MACHINE—An adding machine that will be found useful to the family for checking accounts. This is easily and quickly handled by the children. Finished in light blue and trimmed in black and red. Size, 4¼x6½x1¾ inches. Packed one in a box ... 3.00

Toys are

Good Sellers All Year 'Round

Here you will find the Favorites

Mechanical Toys

Full of Pep and Action
Amusing and Popular

Climbing Monkey, 8 inches long, made of heavy gauged metal, highly lithographed in bright contrasting colors. It climbs up and down the string just like a live monkey. This is a very exceptional value at the price offered. Packed each in a box.

No. 39N60.

Per gross.... [illegible]
Per dozen.... [illegible]

BETTY DANCING DOLL

Famous Betty Dancing Doll. The mechanical sensation. Made of heavy gauge metal and is highly lithographed. 7 3 inches high. Packed each in box.

No. 39N41. Per dozen..... 1.95

MAMMY DANCING DOLL

Mammy Black Face Dancing Mechanical Doll. 8 inches high. Made of heavy gauge metal. Face and arms are black, apron is white and dress red. Packed each in box.

No. 39N61. Per dozen..... 1.95

Climbing Monkey. The largest of them all. Made of a heavy gauged metal, highly lithographed and in every way marked for its finished mechanism and all around superiority. It climbs up and down the string just like a live monkey. A very amusing novelty 10 inches long. Each in box.

[illegible]. Per dozen..... 1.75

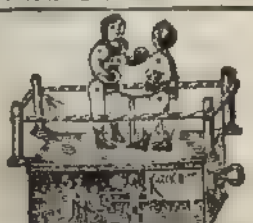
KING RACER

Monarch of all Automobiles. Complete with bumper, meter, disc wheels and attractive top. Finished in exceptionally bright colors. Best and most elaborate racing automobile. Biggest value in a 25c automobile. 9 in. long, 3⅝ in. wide, 3¼ in. high. Each in box.

No. 39N73. Per dozen..... 2.15

Low Priced Mechanical Train, consists of a 4⅞-inch engine with clock work motor. Tender 2¾ inches, and nicely lithographed. Coach 4 inches. Comes complete with four pieces of track. Each set packed in partitioned box, as illustrated with colored picture of outfit on cover.

No. 39N80. Per dozen..... 3.00



Champion Boxers in a friendly scrap. A vigorous bout without a knockout. Realistic ring with regular boxer's paraphernalia, 6¾ inches high, 6¼ inches long, 5¼ inches wide. One in a box.

No. 39N11. Per dozen..... 3.75

BEE-HAW BALKY MULE

Bee-Haw Balky Mule. She just won't behave, with ears laid back and flapping most wickedly, she does her best to tip over the farmer's cart. This new mule has more action to it than the old one. Size over all 9 inches long and 5 inches high. Each in box.

No. 39N27. Per dozen..... 3.75

JAZZBO JIM JIGGER

Jazzbo Jim Jigger. Our old friend is accompanied by a tiny negro who fiddles away as Jazzbo jigs vigorously and in his usual good form. Size 11 inches high, 3½ inches wide, 1⅝ inches long. Each in a box.

No. 39N83. Per dozen..... 3.75

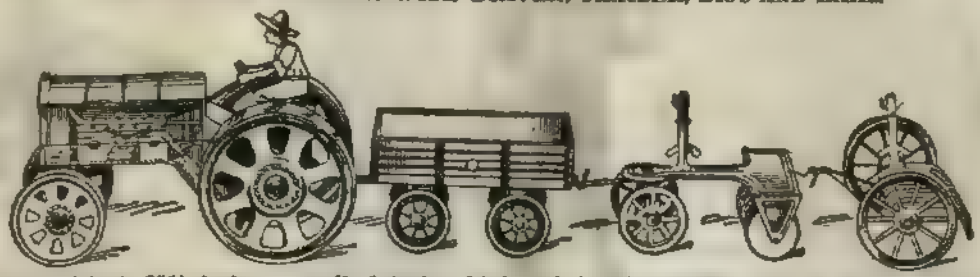
DIZZY-LIZZIE

Dizzy Lizzie. It runs forward, shivering and rattling from side to side. It bends and buckles and almost seems to fall apart. The car is appropriately decorated with numerous funny sayings, each one good for laugh. Made of metal finished in black. Size 8 inches long, 4¼ inches high. Packed each in box.

No. 39N36. Per dozen..... 4.00

Mechanical Toys That Are New and Attractive

FOUR-WHEEL TRACTOR WITH DRIVER, TRAILER, DISC AND RAKE



Tractor, 4-in-1, 25½ inches overall, 6 inches high and 4 inches wide. This set consists of Tractor with driver, a four-wheel wagon trailer, a disc harrow and a rake, all attractively lithographed in bright colors representing a real tractor outfit. Each set in a strong, attractive box.
No. 39N70. Per dozen..... **8.80**

OVER AND UNDER

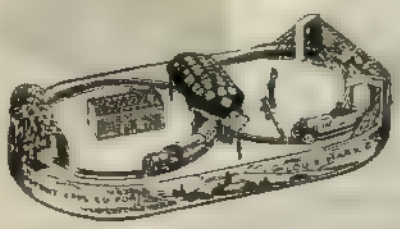
Over-and-Under, extreme length 35 inches. Made of steel throughout, finished in attractive colors. Fitted with strong steel spring. One winding will operate this toy for a long time. Very amusing item. Packed one in box.

No. 39N37. Per dozen..... **7.84**

AUTO BUS

Auto Bus, 10½ inches long, 5⅝ inches high and 4½ inches wide. Made of metal. Comes in two finishes, green and brown. Has special stairway and double row of seats on top. A really wonderful item. Each in box.
No. 39N35. Per dozen..... **8.25**

STOP, LOOK AND LISTEN



It is equipped in every detail, showing a railroad crossing with the Stop, Look & Listen sign that is seen all over the country. The train travels in circles as does the car. At the crossing the car stops at the gate to permit the trains to go by and then proceeds when the trains pass through. Each in box.

No. 39N161. Per dozen..... **10.56**

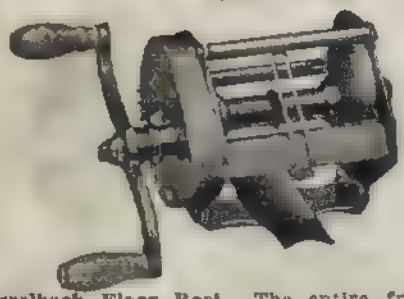
PINCHED

Another brand new idea in a mechanical toy. Motorcycle cop hides behind station and shoots out quickly, stops and pinches auto driver. Here is something that is seen daily on our roads and its action in a mechanical toy is most humorous and appealing. This brand new idea is sure to be a big seller. 10 inches square, 3½ inches high.
No. 39N166. Per dozen..... **8.50**

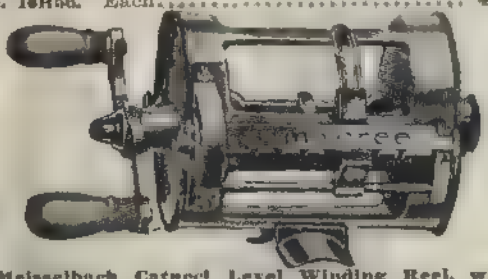
MAIN STREET

Here is one of the biggest hits in the mechanical toy line. It portrays "Main Street." There are six different types of mechanical toys moving in both directions and is most realistic in every detail, including a policeman who is supposed to be directing traffic. Beautifully finished in colors that are sure to attract the eye and make it a ready seller. Size 24 inches long, 3¾ inches wide, 2¾ inches high. Each in box.
No. 39N168. Per dozen..... **3.50**

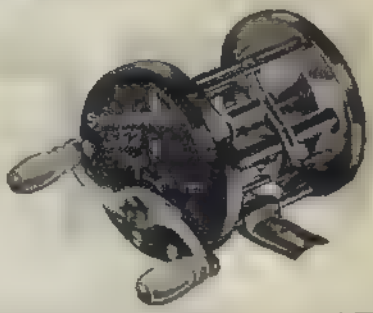
Meisselbach and Meisselbach Catucci Level Winding Reels



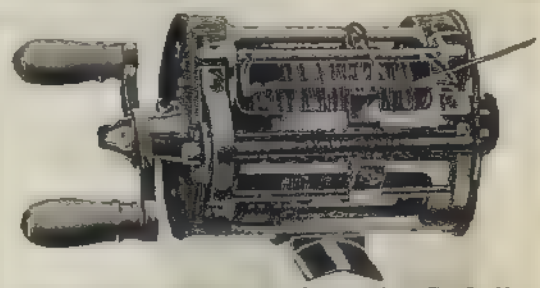
Meisselbach Flyer Reel. The entire frame is made of brass, heavily nickel plated, which is pleasing in appearance. Spool flanges are of nickel silver. Arbor made of brass. Pivots are nickel steel running in phosphor bronze bearings. Adjustable end bearing. Can be oiled without disassembling. Pin which travels in groove of level wind shaft is made of long wearing hardened steel, copper coated to prevent rust. Quadruple multiplying. Line capacity 100 yards. Each in box.
No. 16R50. Each..... **4.90**



Meisselbach Catucci Level Winding Reel, with Double Handle, that has achieved nation-wide success among fishermen. It is well made and well designed. A reel that with care should last a lifetime. Has an adjustable reciprocating shaft bearing which enables the angler to take up the play in the reciprocating shaft, assuring greater and smoother service. No other level winding reel has this feature. Holds 100 yards of standard bait casting line. Packed in an individual anti-tarnish jewelers bag. Each in box
No. 16R48. Each..... **6.54**



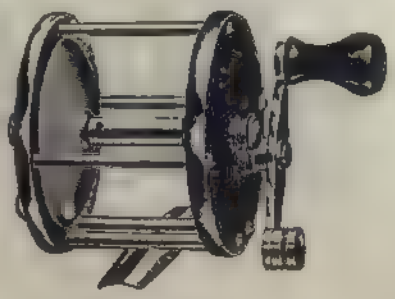
Meisselbach Catucci Level Winding Reel. The black "Catucite" on the end plates contrasting with the rich quadruple nickel plated parts makes a striking contrast that sets it apart at once as a most attractive reel. Its parts are trim and gracefully designed. All bearings are double pin, phosphor bronze, and spool flanges of nickel silver; spool perfectly balanced, double handle. Each in box
No. 16R45. Each..... **5.88**



Meisselbach Catucci Level Winding Reel, Non-Back-Lash. Built with watchlike precision. Will last a lifetime and lends itself to every weight of bait, wind condition and any length of cast. Accurate flexible and perfect control. Full 100 yards of line capacity. Packed in individual anti-tarnish jeweler's bag. Each in box
No. 16R47. Each..... **9.16**

Muscallonge Reels

CORONADO DOUBLE MULTIPLYING REEL



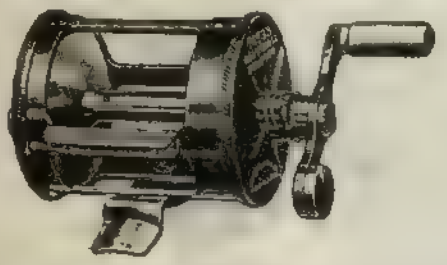
Coronado Double Multiplying Fishing Reel. Rubber side plates with metal bands. Nickel plated with adjustable click. Especially suited for muskallonge fishing. Capacity 200 yards. Each in box.
No. 16R58. Each..... **3.35**

OCEAN CITY TOP-SAIL LEVEL WINDING REEL

The Top-Sail is a reel of 350 yard capacity, adaptable for both fresh and salt water fishing and has the added level winding attachment. This reel does not have the free spool action for surf casting. It is constructed of the highest quality Nickel Silver and Bronze bearings. This is the big sturdy level winding reel that will keep the line from piling up and snarling. All parts are readily accessible for cleaning and oiling. Each in box.
No. 16R54. Each..... **6.54**

Highest Grade Fishing Reels

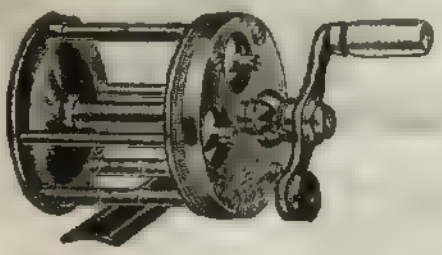
BLUE GRASS SIMPLEX REEL



Blue Grass Simplex Reel. One of the best reels for the price. Has handle forward of the bottom and sliding click, on back of reel. One piece seamless tubing frame. Gear is one piece of hard drawn brass rod. Pivots are tempered, ground and polished. Reel is made of brass and nickel silver, and all brass parts are heavily nickel plated. Capacity 120 yards. Each in box

No. 16R35. Each 7.84

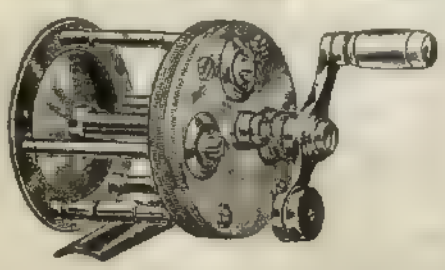
BLUE GRASS REEL



Blue Grass Reel. A popular size for general purposes, suitable for bass, pickerel, trout and often used for muscallonge and salmon. Made of nickel silver, quadruple multiplier with click and drag and screw-off oil caps. Capacity 120 yards. Each in box.

No. 16R48. Each..... 13.06

MEEK REEL



Meek Reel. This popular reel for fishing and tournament casting. Watch nickel silver, balance handle forward, click or click and drag, screw-off oil caps. Capacity 120 yards. Each in box.

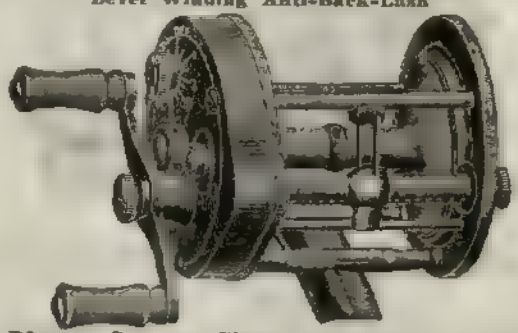
No. 16R49. Each..... 11.00

SOUTH BEND LEVEL-WINDING ANTI-BACK-LASH REEL

South Bend Level-Winding Anti-Back-Lash Reel, intended to make every cast a perfect cast so as to throw your bait and line accurately without a back-lash, snarl or tangle, agate jeweled spool caps with adjustable spring tension grip, easily screwed off to permit oiling. Gearing is quadruple multiplying; crank has double grips of white ivoroid. Level-winding attachment winds the line evenly and closely upon the spool. Capacity 100 yards. Each in box complete with genuine leather case and practice casting weight

No. 16R24. Each..... 10.78

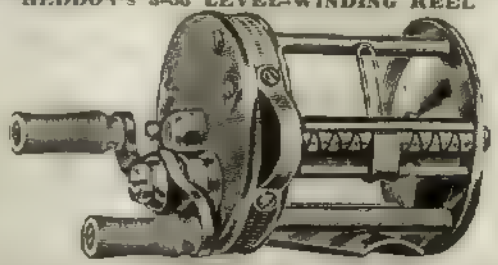
PFLUEGER SUPREME FISHING REEL
Level Winding Anti-Back-Lash



Pflueger Supreme Fishing Reel. Level-winding anti-back-lash quadruple multiplying, generated spiral tooth gears steel pivots, tempered and polished. Phosphor bronze bearings, adjustable back sliding click, fancy balanced double handle crank. Will hold from 75 to 100 yards according to size of line used. A booklet describing and also giving instructions how to operate reel is inclosed.

No. 16R39. Each..... 14.34

HEDDON'S 3-36 LEVEL-WINDING REEL



Heddon's Level-Winding Reel, is up to recognized high standard of quality in every respect. Is made of the best, tested, hard drawn watch nickel; stud, shaft, pivots, and pinion are of Stubbs drill rod, hardened, oil tempered, ground to size and highly polished. Full quadruple multiplying with exactly the correct ratio of speed between the spool and line carriage to produce enough of that criss-cross of the line which prevents back-lashing. The spiral gears are of a special hard drawn phosphor bronze and are much stronger than are ordinarily used. Has a capacity of 100 yards of 15 pound test line. Weight 9 ounces. Each reel furnished with one drop oil can, bottle reel oil and tube of high grade vaseline. In genuine leather reel case.

No. 16R28. Each..... 22.54

DANCE OF OLD MEXICO

Engraved by SOUTHWESTERN ENGRAVING COMPANY of HOUSTON —*Printed by* HERBERT C. MAY COMPANY

TEXAS~

Its historical background

View of San Antonio De Valero (The Alamo)

Almost without cessation the siege had lasted eleven days. At four o'clock on Sunday, the sixth day of March, 1836, four thousand crack soldiers, the flower of Santa Anna's army, moved on the Alamo with silent and stealthy tread . . . At dawn the attack was launched. The charge was met with a roar of cannon, shrapnel and musketry from the valiant handful of Texans of the garrison . . . Twice the Mexican onslaught was repulsed with heavy losses. But Santa Anna would not relent. His third offensive gained the fort and, like ants, his men swarmed over the walls . . . Of the one hundred and eighty-two Texans not one survived to tell the tale of the Alamo. And for every Texan killed, thirteen Mexicans paid the supreme penalty. It was an awful carnage, a slaughter whose equal has not been recorded since the day of Thermopylae.

In bold relief stands out the heroic picture of the defense of the Alamo. It is a beautiful heritage often read to Texas children as emblematic of that patriotism and loyalty of spirit which has safely carried the Lone Star State through the rule of six flags.

ANDERSON, CLAYTON & CO.

F. M. Crump & Co.

Highlight Halftone

This insert of two pages engraved by the Southwestern Engraving Company of Houston
Printed by the Herbert C. May Company

Butler's Meltotone Paper 80-lb. base

Apley & Wilmore Inks

A BOOKLET COVER IN 4 COLORS

FROM ZINC ETCHINGS WITH BEN DAY. REPRODUCED FROM PEN DRAWING IN OUTLINE

Designed and Engraved by ARTCRAFT ENGRAVING CO.

Painting by F. H. Brigden, P.O.S.A.

RAPIDS ON THE MICHIPICOTEN, NORTHERN ONTARIO

Engraved and Printed by BRIGDENS LIMITED, TORONTO, CANADA

Description on following page

The picture on the preceding page is a four-colour process reproduction of a water-colour painting, printed on 200 lb. (M) enamel paper in four colours and a tint, roughed after printing to grain of hand made paper by embossing on platen press.

MILBRADT ROLLING STORE LADDERS

Showing No. 1 bent ladder, which runs on a track fastened to shelving near the top and runs close to wide base shelf.

The Milbradt Rolling Stepladders are all made to order, and to fit each particular place, of good oak lumber, in the most artistic and neatest style, handsomely finished, are durable and perfectly safe, as they cannot jump the track. They take up the least possible space, run noiselessly and so easily, either empty or with operator upon them, that a slight push will propel a ladder the length of an ordinary store. These ladders have an extra wide shelf at the top, which affords great convenience in handling stock. All iron work on ladders, as well as the brackets to hold up steel track, is malleable, artistic and strong and aluminum finished.

No. F1—Suitable fixtures at the top to run on steel track and rubber covered rollers attached near the lower end to run against the edge of base shelf. Best for all around purposes where shelving is reasonably strong. With fixtures★.....each $44.45

No. F2—For shelving that is not strongly built. Most of the weight of ladder and operator rests on the floor. Runs on a hardwood track at the top and has cushion tired wheels to run on the floor. No track required. With fixtures★...each $44.45

No. F10—Bent ladder that runs on a flat hard wood track screwed on top of original low shelving. When top of shelving is reasonably strong this is the most convenient way to apply a ladder to this style of shelving. With fixtures★.....each $44.45

No. F15—Trolley or ceiling ladder that suspends from a track fastened to ceiling. Has at the top, suitable iron in which paper filled wheels run noiselessly on the steel track and also has cushion tired wheels that run on the floor. Very strongly built and specially adapted for hardware stores or any place of business where heavy goods are handled. With fixtures, each★ $44.45

Approximate W't Ladder Crated 50 Lbs.

No. F11—Steel Track—For No. F1, regular strength★ per foot $0.75

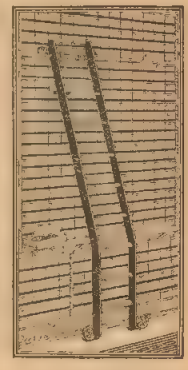
No. F150—Steel Track—For No. F15★.....per foot .75

Approximate W't Steel Track 1 lb. per Foot.

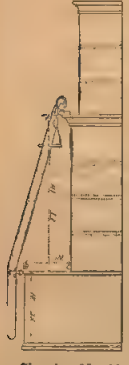
No. F20—Hardwood Track—For No. F2, complete, per foot★.....$0.65

No. F200—Hardwood Track—For No. F10, complete, per foot★.....$0.65

Approximate W't Steel Track 1 lb. Per Foot.



Showing No. 2 bent ladder, which runs on floor.



Showing No. 10 bent ladder, which runs on track screwed on top of original low shelving.

HOW TO ORDER

Ladders as Nos. 1 and 2 give the exact height from floor to top of base shelf; the exact width or projection of base shelf and then the exact height from top of base shelf to top of shelf to which track is to be fastened and the track shell be fastened to a shelf that is about 3 feet from the top.

Steel track for ladders No. 1, both regular and extra strong, is 1 inch in diameter and therefore does not block up any space when fastened up opposite the edge of shelf. When ordering steel track give the total length of each line of shelving; second, give distance from center to center of uprights and state how many brackets are required to hold up the steel track. For regular steel track the brackets cannot be more than 4 ft. apart. When the uprights to which bracketts are to be fastened are more than 4 ft. apart, it is necessaary to use extra strong steel track.

Ladder No. 10, give the exact height from floor to top of base; the width or projection of base and then the exact height from base to the top of shelving or cornice on top of which track is to be fastened. Also state how much the cornice or moulding on top of which track is to be fastened, projects out over lower part of shelving.

Trolley ladder No. 15, is only necessary to give the exact height from floor to ceiling and the exact length of each line of track wanted.

To order wood track for ladders Nos. 2 and 10, it is only necessary to state the number of feet required.

For further information write for special Rolling Ladder Catalogue.

Showing No. 15 trolley or ceiling ladder, which suspends from a track fastened to ceiling.

★ **Items Marked Thus ★ Are Shipped From Factory Only.**

HACK SAW BLADES

Star All Hard

The Best Known Blade on the Market Reliable and Efficient.

For All-Around Work
.025 Gauge

No.	Length, Ins.	Teeth Per In	Weight Per Gross, Lbs.	No. Per Gross
214	6	14	3½	
216	8	14	4½	
1014	10	14	5	
1214	12	14	6½	
818	8	18	4½	
1018	10	18	5½	
1218	12	18	6½	
824	8	24	4½	
1024	10	24	5	
1224	12	24	6½	

Half gross in package

Millers Falls

All Hard Tungsten)
.025 28 Gauge

No.	Length, Ins.	Teeth Per In	Weight Per Gross, Lbs.	No. Per Gross
11	8	18	3½	
13	10	18	4½	
15	12	18	7	
27	8	24	3½	
29	10	24	4½	
31	8	32	3½	
33	10	32	4½	

Flexible (Tungsten)
.025-32 Gauge

51	8	18	3½
53	10	18	4½
55	12	18	7
67	8	24	3½
69	10	24	4½
71	12	24	7

Half gross to a package

HACK SAW BLADES

Flexible. Especially Designed for Tubing and Thin Materials. Back Flexible, Teeth Hardwood.

STAR

No.	Length, Ins.	Width, Ins.	Gauge	Teeth Per In.	Weight Per Gross Lbs.	List Per Gross
818F	8	½	.025	18	3½	$8 00
1018F	10	½	.025	18	5	10 00
1218F	12	½	.025	18	6½	12 00
824F	8	½	.025	24	3½	8 00
1024F	10	½	.025	24	5	10 00
1224F	12	½	.025	24	6½	12 00

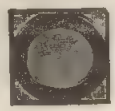
Half gross in package.

STAR POWER BLADES

No.	Length Ins.	Width Ins.	Gauge	Teeth Per In.	Weight Per Gross Lbs.	List Per Gross
1252	12	½	.032	14	10	$17.86
1242	12	½	032	14	14½	21.36

COIL BLADES

Disston's



Blued Spring Steel Set and Sharpened Points to the Inch

25 Ft. Coils

Per Coil or Box

No. **258**—½ In. Wide.... .....
No. **256**—½ In. Wide .....

50 Ft Coils

Per Coil or Box

No **504** -½ in Wide .. ..
No. **505**—½ In. Wide .. ..
No. **506** ¾ In. Wide .. .

BRACKET OR SCROLL SAWS

Miller Falls

Drive Wheel, Having Two Rubber Wheels, Iron and One Emery, and a Chuck for Holding Drill. Pinion Emery Wheel is Fastened by Adjustable Clamps Which Can Also Be Used for Holding other Stone or emery wheels. Grindstones, Buffing Wheels, etc. 7¾ In. Iron Tilting Table 18 In Hard wood Arms 18 In. Drive Wheel, Steel Shaft with 5 In. Balance Wheel Rounded Lower Bed Height 45 Ins Base 26 x ... Ins Complete with Saw Blades and ... Weight 136 Lbs Each

No. **387**

One in a Crate

MILLERS FALLS HACK SAW DISPLAY

This Metal Display on Your Counter or Show Case will Sell Millers Falls Hack Saw Blades and Hack Saws for You. Lithographed in Attractive Colors. Size 21½ Ins. High, 17 Ins. Wide

FREE with order for the following
½ Gross Millers Falls Hack Saw Blades, 8 Ins. Long.
2 Gross Millers Falls Hack Saw Blades, 10 Ins Long
½ Gross Millers Falls Hack Saw Blades, 12 Ins. Long.
4 No 1027 Millers Falls Hack Saw Frames

Per Assortment

No. **1000**

Weight for Assortment 56 Lbs

FRET SAW SETS

Millers Falls

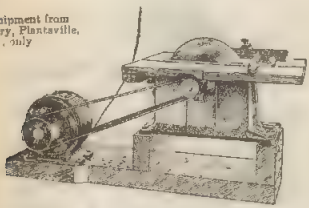
An Excellent Set for Amateurs The Frame is of High Grade Spring Steel, with Enameled Handle, and Patent Clamps which hold the Blade Securely Frame has Depth of 12 Inches, Width of 6 Inches, and is Highly Polished and Nickel Plated Other Articles Include Twelve Blades Gauge and Tap Sheet of Instruction Paper and Three Sheets of Designs Per Set

No **2**

Carried in Box Weight about 1 lb

TOBRIN ELECTRIC BENCH SAW

For shipment from Factory, Plantsville, Conn., only



For Ripping, Cross Cutting and Mitering Stock Up to 2½ Inches Thick. Easily Mounted. Table Elevates for Grooving and May Be Tilted 10 Degrees for Beveling. Furnished with Adjustable Rip Guide and Cut-Off Guide. Bronze Anti-Friction Bearing Equipped with 8 Inch Combination Saw and ¼H.P. 100 Volt, 60 cycle, A.C. Motor. Speed of Saw 4500 R.P.M Size of Base 6½ x 13½ Inches. Size of Table 14 x 16 Inches.

Each

No. **8**. .....

F.O.B. Factory, Plantsville, Conn.
Shipping Weight, 85 Lbs.

SAFETY FUSE

ENSIGN BICKFORD & CO.

Cotton. For All Dry Work. More Pliable than Hemp. Per 1000 Feet

No. C ..... $

Single Tape. Suitable for Damp and Wet Work.

No. S ..... $

Double Tape. Suitable for Very Wet Work

No. D . . . . . $

1000 Feet in a box.

BEAVER BRAND

Suitable for Wet Work. Double Wound. Yellow Finish. Pliable and Does Not Crack or Break in Uncoiling. Per 1000 Feet

No. B—Yellow Finished..... . . . . $

ANCHOR BRAND

Equal to the Well Known Double Tape in Its Ability to Stand Hard Tamping and Exposure to Water. Does Not Crack in Cold Weather. Will Stand Any Climate. Per 1000 Feet

No. A –Suitable for Wet Work... ..... $

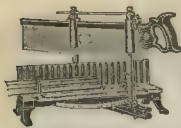
SAFETY CAP CRIMPERS AND FUSE CUTTERS COMBINED

Per Dozen

No. **1**—Wt., Per Dozen, 1¼ Lbs. $

Loose

MITRE BOXES



STANLEY
With Saw.

One piece cast iron frame. Swing lever is automatically locked at any angle and a flat spring catch when set, holds the spring lever unlocked. Steel rod saw guides. The uprights, front and back are graduated in sixteenths of inches and are provided with adjustable stops for regulating depth of cut. Has guides for holding work in place for or length gauges in duplicating short pieces, saws at any angle from 30 to 90 with work lying parallel to back of box. The peculiar shape of butt or heel in the mitre saws makes the toothed edge about 2 inches shorter than the full length of the blade.

Nos.	246	358
Size saw, ins	26x4	28x5
Width at right angle, ins	8⅛	9⅛
Width at 45° angle, ins	5½	6⅛
Wt each, lbs	30	36
Each	$52 50	60 00

One in wood box.

LANGDON ACME
With Saw.

Cast iron frame; all polished parts nickel plated; graduated arc with various degrees marked on; saw can be secured at any angle. Supporting guides for holding work and length gauge for duplicating length. Has metal index plate with degrees marked thereon with each machine.

Has extension posts to give greatest width. Saw at any angle from 7½° to 90°; capacity 10¼ inches at right angle and 7 inches at mitre. The peculiar shape of butt or heel in the mitre saws makes the toothed edge about 2 inches shorter than the full length of the blade.

Nos.	73	74	75
Size	2	2½	2½
Size saw, ins	26x4	28x5	30x5
Length frame, ins	19⅛x4⅛	19⅛x4⅛	19⅛x4⅛
Wt each, lbs	39	40	41
Each	$51 00	57 00	61 50

One in wood box.

IMPROVED NEW LANGDON
With Saw.

Cast iron frame, painted dark brown; malleable iron legs; corrugated back; polished steel uprights; cuts by using the circular arms or guides, from right angles to 75 degrees on 2½ inch stuff; also cutting from right angles to 45 degrees. The only box adjustable for mitreing circular work to patterns, emery wheels and segments of various kinds.

Capacity 9⅜ ins at right angle, 6⅜ ins at mitre. The peculiar shape of butt or heel in the mitre saws makes the toothed edge about 2 inches shorter than the full length of the blade.

Nos.	32	34
Size	2	2½
Size saw, ins	24x4	28x5
Length frame, ins	19⅛x4¼	19⅛x4¼
Wt each, lbs	32	35
Each	$42 75	51 00

One in wood box.

MITRE BOXES

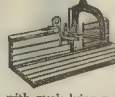
NEW LANGDON, With Saw.

Cast iron frame, painted corrugated back. Malleable iron legs; adjustable saw guides with spring lever clamping device to hold at any angle, notched to lock at regular angles from right angle to 45°; capacity 9⅜ ins at right angle and 6⅜ ins at mitre. The peculiar shape of butt or heel in the mitre saws makes the toothed edge about 2 inches shorter than the full length of the blade. Each

No. 23—Size with 24x4 inch saw; length frame 19⅛x4¼ ins $39 00

One in wood box; wt each 27½ lbs.

PERFECTION
Without Saw.



Japanned malleable iron frame; polished cast steel post; varnished inlaid hardwood base, tongued and grooved. Guide is held at any desired angle by sliding key and depth of cut is controlled by clutch on guide post; saws at any angle from 9° to 90° with work lying parallel to back of box. Detachable from wood base and takes hand, panel or back saw. Each

No. 10—Length base 16 ins; width 6 ins; 4x¾ in back $9 45

Two in wood box; wt each 21½ lbs.

MITRE BOX SETS
C. E. JENNINGS & CO.

Seasoned hardwood, held securely together by screws. Complete with 10-inch back saw, hardwood back which prevents sawing frame. Especially adapted for amateurs and for sawing picture frames and other mouldings. Per Doz

No. 011—Length base 10 ins; outside width 3⅛ ins; inside width 1¾ ins; depth 1¼ ins $4 50

One in cardboard box; wt per doz 18 lbs.

LATHE, WITH SCROLL SAW ATTACHMENT
MILLER FALLS CO.

Japanned iron frame, drive wheel and treadle; 7½ inch iron tilting table, 20½ inch hardwood arms, with blower attachment; 13 inch drive wheel, round leather belt. Height 39 inches. Base 26x15 inches, bed 24 inches long; has 2 inch face plate, one spur center and one screw center. The scroll saw can be taken off by loosening one bolt. The tailstock has a screw feed center which is secured at any point desired by a clamping device.

Driving wheel is made with two grooves of different depths to give change of speed, as the belt runs from it to the cone pulley. 4x¾ inch solid emery wheel. Each

No. 320—Complete with lathe attachment; 12 saw blades, wrench, sheet of designs, long tool rest, short tool rest, 6 drill points, 1 straight turning chisel, 1 skew turning chisel, 1 turning gauge and screw driver (no circular saw attachment included) $72 00

One in wood box; wt each boxed about 75 lbs.

Each

No. 319—Circular saw attachment only $4 05

One in wood box; wt each 8 lbs.

SCROLL SAWS

MILLERS FALLS

With Emery Wheel and Drill Chuck

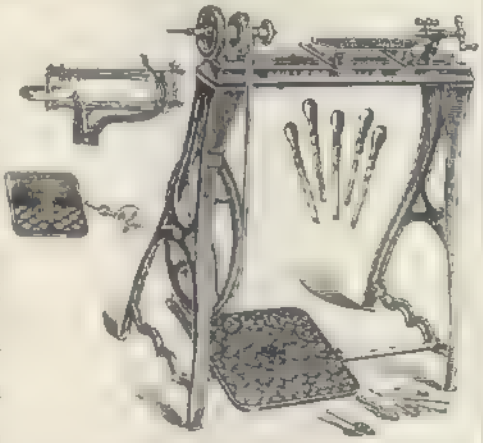
Two Balance Wheels, one each of Iron and Emery. Arms swing on Pivots in Supporting Casting Giving Free Action and are Adjustable so they can be kept Parallel. Cast Iron Frame, Steel Arbors, Selected Ash Wood Arm and Pitman, Japanned Tilting Table.

	Each
No. 387 —37 in. High, Depth of Arms 18 in., Capacity Up to ⅝ in. Wood, Weight Boxed 60 Lbs.	$17.75

WOOD LATHE AND SAW

MILLERS FALLS-GOODELL

For Amateur Work



Five in. Swing, 14 in. Between Centers. Two Grooves on Drive Wheel Cone Pulley Permits a change of Speed Head has 2 in. Face Plate and Spur Center and Screw Center for Turning Cups Tail Stock has Screw Feed and can be Clamped at Any Point. Equipped with Drill Spindle with 3 Jaw Chuck, Capacity 0 to ¼ in., Short Tool Rest, Emery Wheel 4x⅝ in., Five Turning Tools, Wrench and Drill Points.

	Each
No. 321—With Fret and Circular Saw Attachment Net Weight 60 Lbs.	$32.50

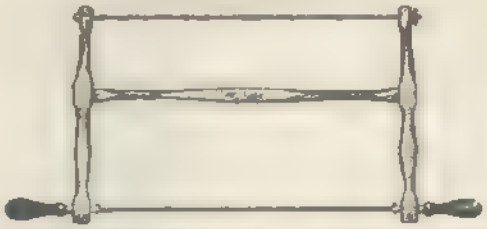
TURNING OR WEB SAW BLADES

Set and Sharpened, Ready for Use

8 in. Long, 22 Gauge				
Width, Inches	⅛	3/16		¼
Points Per Inch	10	10		9
Per Dozen	$2.60	2.60		2.60
10 in. Long, 22 Gauge				
Width, Inches	⅛	3/16		¼
Points Per Inch	10	10		9
Per Dozen	$2 80	2 80		2 80
12 in. Long, 21 Gauge				
Width, Inches	3/16	¼		5/16
Points Per Inch	10	9		7½
Per Dozen	$3.00	3.00		3.00
14 in. Long, 21 Gauge				
Width, Inches	3/16	¼		5/16
Points Per Inch	10	8		7½
Per Dozen	$3 20	3 20		3 20
16 in. Long, 20 Gauge				
Width, Inches	¼	5/16		⅜
Points Per Inch	10	8		7½
Per Dozen	$3 60	3 60		3 60
18 in. Long, 20 Gauge				
Width, Inches	¼	5/16	⅜	½
Points Per Inch	8	7½	7½	7
Per Dozen	$4 00	4 00	4.00	4 00

TURNING SAW FRAMES

MILLERS FALLS



No. 357—Birchwood Frame, Ebonized Handles

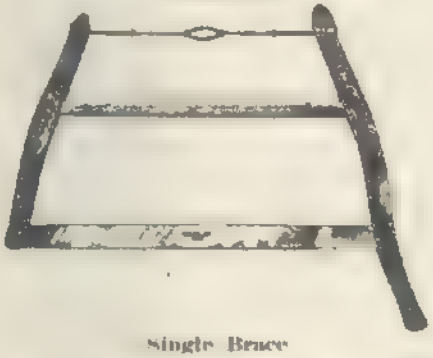
Steel Extension Rod, Complete with Blade ⅝ in. Wide.

Length Blade, Inches	14	18
Weight Each, Lbs	1⅜	1⅝
Each	$1 70	1 80

One in a Box.

WOOD SAWS

SIMONDS



Single Brace

Red Painted Frame, Plain Rod, Polished Blade, Plain Tooth.

	Per Dozen
No. 107 —30 in. Blade, 2 in. Wide, Weight Per Dozen 52 Lbs	$17.50

One-half Dozen in a Box

Double Brace

Red Painted and Varnished Double Riveted Fame, Tinned Rod, Thin Back Polished Blade, Plain Tooth.

	Per Dozen
No. 105—30 in. Blade, 2⅝ in. Wide, Weight Per Dozen 56 Lbs.	$22.50

One-half Dozen in a Box

WOOD SAW BLADES

Straight Breast, Plain Tooth

Bright Steel, Sharpened and Set, 4½ Points to the Inch.

	Per Dozen
No. 410—30 in. Long, 2 in. Wide, Weight Per Dozen 6 Lbs.	$0 00

One Dozen in a Box

KEYHOLE SAWS AND PADS

Japanned Iron Handle, Cast Steel Blade

Reversible Blade, Butt End of Blade forms a Screw-driver.

Per Dozen

No. 5—Complete, 7 in. Blade, 4¾ in. Handle, Weight Each 3½ Oz. $5.50
No. 5B—Blade Only, 7 in. Long 3.00
No. 5H—Handle Only, 4¾ in. Long 2.50

One Dozen in a Box.

HANDY SAW KITS

DISSTON

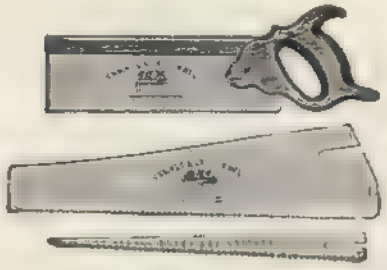
For Plumbers Use

High Grade Crucible Steel Blades. The Plumbers' Saw Blade is specially tempered for cutting nails, bolts, gas pipe, soil pipe, etc. Put up in a durable canvas bag having strong bound edges, and containing separate compartments for each blade with a special pocket for the handle. Convenient and light to carry.

Per Set

No. 201 Kit—Consists of One 14 in. Compass Blade, One 16 in. Special Metal Blade, One 18 in. Plumbers' Blade, One 20 in. 10 Point Cross Cut Wood Saw Blade and One Adjustable Handle, Weight Per Set 22 Lbs. $7.50

JENNINGS



A Handy Household Set

Steel Blades Hardened, Tempered and Filed

Per Set

No. 1 Set—Consists of One 12 in. Compass Blade, One 10 in. Mitre Blade, One 16 in. Cross Cut Wood Blade and One Adjustable Handle, Weight Per Set 1¼ Lbs. $2.00

One Set in a Box.

COPING SAWS

ATKINS

Adjustable to All Angles

Nickel Plated, Cold Rolled Steel Back, Varnished Hardwood Handle, Complete with One Blade.

Per Dozen

No. 10—⅝x⅞ in. Steel Back, Length of Frame 7¼ in. Depth from Blade to Back 4⅝ in., Weight Per Dozen 7 Lbs. $7.50

One-half Dozen in a Box.

EXTRA BLADES FOR No. 50 COPING SAW

Bright Steel, Tempered and Sharpened

Per Dozen

No. 60—6 in. Long, ⅛ in. Wide, Pin Ends, Weight Per Dozen ½ Oz. $0.40

One Dozen in a Bundle, One Gross in a Box.

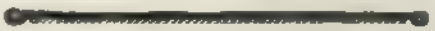
Nickel Plated Steel Wire Frame and Handle

Per Dozen

No. 100—6 in. Frame, 4 in. Deep, Handle 4 in. Long, Complete with 1 Dozen 6 in. Bent End Blades, Wt. Dozen 4½ Lbs. $3.00

One-half Dozen in a Box.

EXTRA BLADES FOR No. 100 COPING SAW



Per Gross

No. 50—6 in. Long, Blued Steel, Tempered and Sharpened, Bent Ends, Weight Per Gross 4 Oz. $2.00

One Dozen in a Bundle, One Gross in a Box.

FRET SAW SETS

MILLERS FALLS

Nickel Plated

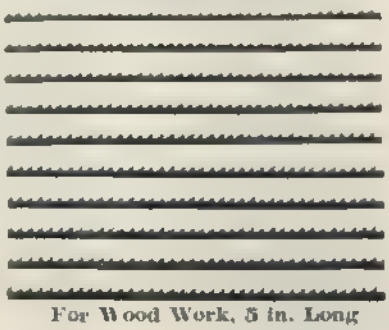
Spring Steel Frame, Enameled Wood Handle, Patent Clamps which hold blades securely Set consists of Saw Frame, 12 Blades, 1 Awl, 1 Sheet Impression Paper and 3 Sheets of Designs. Per Set

No. 2—12 in. Deep, 5 in. Wide, Weight Each 17 Oz. $1.50

One Set in a Box.

FRET SAW BLADES

MILLERS FALLS



For Wood Work, 5 in. Long

Cut Fast, Smooth and are of Uniform Quality.

Nos.	1	2	3	4	5	6
Per Gross.	$1.70	1.70	1.70	1.80	1.80	1.80
Nos.	7	8	9	10	11	12
Per Gross.	$1.90	1.90	1.90	2.00	2.00	2.00

Card Games Continued

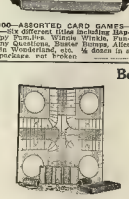
G5997—RED LINE SERIES—This series contains standard Authors, Dr. Busby, Fortune Teller, Old Maid, Rook, Peter Coddle, Jack Straws, and Nations. Size, 4¼x5¾ inches. Packed one dozen in a package, not broken 4.00

G5891—ASSORTED CARD GAMES—Includes Yes or No, My Mother Sent Me to the Corner Store, Who, How Silas Popped the Question, Mrs. Casey Wants to Know, Komical Konversation Kards. One dozen in a package, not broken..... 4.00

G5891—BLACK CAT SERIES—Assorted Card Games. Six different subjects, including Black Cat Fortune Telling Cards, Geography Up-to-Date, Hints, History Up-to-Date, etc. ½ dozen in a package, not broken 8.00

G6003—GRANDMA'S GAME OF RIDDLES—Includes Grandma's Arithmetical Game, Grandma's Geographical Game, Grandma's Game of Useful Knowledge. Cards are of a most pronounced educational nature. Each one contains facts essential to child education and at the same time provides entertainment of instructive. Size, 4¾x6¾ inches. Packed ½ dozen in a package, not broken 8.00

G5890—ASSORTED CARD GAME—Six Titles including Snap, Peter Coddle, Dr. Busby, Jack Straws, Old Maid, Authors, etc. Size, 4¼x6¾ inches. ¼ dozen in a package, not broken 4.00

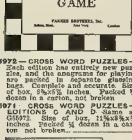


G5900—ASSORTED CARD GAMES—Six different titles including Happy Families, Winnie Winkle, Happy Questions, Busted Beaus, Alice in Wonderland, etc. ¼ dozen in a package, not broken 8.00

G5902 ASSORTED CARD GAMES—Six different subjects, Old Maid, Jack Straws, Famous Authors, Sherlock Holmes, Snap, Dr Busby ¼ dozen in a package, not broken. 8.00

G5897—ASSORTED GAMES—Nine different games as noted. Domestic animals wild animals 17 & nations, great authors, poems Shakespeare, famous paintings, presidents, New Testament. Size, 4x6¾ inches. ¼ dozen in a package, not broken 8.00

Board Games



G6972—CROSS WORD PUZZLES—Each edition has entirely new puzzles, and the amusement for playing key, pencils and score tablets is free. Complete and ready to play. Size of box, 7¾x13 inches. Packed ¼ dozen in a carton, not broken 4.00

G6971—CROSS WORD PUZZLES—EDITIONS C AND D—Same as G6972. Size of box, 11¾x8¾x3¾ inches. Packed ¼ dozen in a carton not broken 8.00

G6013—RADIO GAME—A very timely game based on the Radio craze. Board lithographed in colors. Played with dial and counters. Cover has lithographed label. Box size 6x11 ¼ dozen in a package, not broken... 4.00

G6012—MOVING PICTURE GAME FOR TWO, THREE OR FOUR PLAYERS—In this game by Mr. Howard Garis you are supposed to go to a moving picture show, where the hero and heroine appear in person, and you wish to shake hands with them. The first player lucky enough to reach the stage gets the honor, and wins the game. Size, 11¾x8¾ ¼ dozen in a package, not broken 4.00

G6030—INDIA—Board is 16 inches square and has 16 wooden counters. Two dice and two dice cups in box are provided. Size 16x16 inches. Packed ¼ dozen in a package, not broken..... 7.50

G6016—GAME OF CROKINOLE—A good edition of this old but ever popular game. Each player has twelve chestnuts which he endeavors to snap into the scoring circle from the edge, trying to crack his opponent's nuts and protect those that do not score. Put up in wood frames box with lithographed label. Size, 16x16 inches. ½ dozen in a package, not broken..... 8.00

G5661—JUNIOR MOTOR RACE—A rent race with four small automobiles and a spinning disk. The race is run on a heavy lithographed board made of metal. One in a package 8.00

G5834—JUNIOR AUTO RACE GAME—Players progress their autos over the lithographed racing course by means of a spinner. There's fun, action and interest in the game that every youngster will appreciate. Designed for younger children. It is played by connecting similar colors. Boxed for convenient handling, and easily played by children as young as three years of age. Packed ¼ dozen in a package, not broken..... 8.00

G5601—RADIO GAME—It is played by means of horns (loud speakers) and dice. Consists of eight horns, two dice, and a dice cup. Size 5½x8¾ inches. ½ dozen in a package, not broken 8.00

G5855—BROWNIE AUTO RACE GAME In constructed from a heavy gauge steel, lithographed in five colors, red, white, blue, green and black. Disc track in the form of a speedway. Diameter, 18¾ inches. Two die casted automobiles and two glass marbles furnished with each game 8.00

G5613—BROWNIE MOTOR RACE—Made of heavy metal in the form of a 10¾ mile speedway, 12 inches in diameter. Lithographed in five colors. Four die cast automobiles painted yellow, blue, green and red. By spinning the arrow in the center, you advance your car as indicated by the arrow. Directions are printed on back of carton. Packed each in a lithographed box..... 8.00

Board Games Continued

Per doz.

G5863—JUNIOR ROUND-THE-WORLD FLIERS—An all metal board game. Many features of interest to boys. Teaches children the map of the world and flags of many nations. One in a package..... 9.00

Per doz.

G5844—RADIO RAMBLE—Players start from station WHAT, New York and make complete circuit of the United States. Has a map of the United States and a cardboard receiving set, a dial device that tells each player where to go. Each game complete with instructions. Size of board, unfolded for playing 21¼x21¼ inches; size of box 11¾x3 inches. Packed ¼ dozen in a package, not broken..... 16.00

Per doz.

G5889—CAPTAIN KIDD, JR.—A new treasure hunting game for children. When the pieces land on a penalty space they disappear from view. Size, 16¾x12¾ inches, ¼ dozen in a package, not broken..... 9.00

Per doz.

G5842—PETER PAN GAME—A novel-ty board game. Two, three or four children may play, taking the parts of Peter Pan, Captain Hook or Wendy of Peter Pan. Each game complete with instructions. Size of board unfolded for playing 21¼x21¼ inches. Size of box 11¾x3 inches. Packed ¼ dozen in a package, not broken..... 16.00

Per doz.

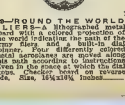
G5836—AUTOMOBILE RACE GAME—A board game embodying all the thrills of a real auto race, bonfires, blow outs and collapses. Consists of a well made board, small cubes and small metal automobiles. As many as six persons can play 16.00

Per doz.

G5806—THE COVERED WAGON—A new finishing process for board games. Washable, waterproof label. Printed in twelve attractive colors. Spinner attached to the board to prevent loss. Accessory box with dividers for the pieces. Box and top of metal. Illustrates geography, history and adventure and takes you back with your ancestors of '49 over the Cumberland Trail, the Santa Fe Trail, the Santa Fe, Oregon and California Trails to Sutters Mills and Gold. Board size 19x13¾ inches. Opened for play, thirty inches..... 16.00

Per doz.

G5768—MOTOR RACE GAME AND CHECKER BOARD—An attractive, novel, new motor race game and checker board, lined metal and handsomely lithographed. Six attractive metal auto racers 1¾ inches long and a metal spring racing dial 1¾ inches in diameter. Size, 18¼x18½ 16.00



Per doz.

G5769—ROUND THE WORLD FLIERS—A lithographed metal game with a novel feature. Children of the world replicate the path of the army flyers and a built-in dial spinner. Four differently colored tin aeroplanes are used according to the dial. Accordingly which the dial spins in the direction of which the dial shows. Checker board on reverse side. Size, 18¼x18¾ inches..... 16.00

Per doz.

G5894—AUTO RACE—A 500 mile race for tots. Played by spinning dials. Size 11¾x11¾ inches, ¼ dozen in a package, not broken..... 16.00

Per doz.

G6042—UNCLE WIGGLY—The game consists of an attractive board, with a number of curving yellow sunshine paths leading over the green surface. The paths are divided into rabbit jumps, and the moves are made by the players drawing little red or white cards, which tell how to hop Uncle Wiggly along. Sometimes the Bunny has good luck, and sometimes bad. He may be caught in a trap, or hop into the den of the Skeesicks or the bad Pipsiewash. Whoever first gets Uncle Wiggly to Dr. Potsers's office cures his rheumatism and wins the game. Lots of fun for young and old. Size of playing board, 16x16 inches. ¼ dozen in a package, not broken..... 1.00

Per doz.

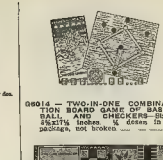
G6681—THE PONY EXPRESS—Trying to get the mail thru hostile Indian country is lots of fun with this game. The game and box cover is printed in bright attractive colors. Size 11¾x11¾ inches, ¼ dozen in a package, not broken..... 12.00

Per doz.

G5682—SCOUTING GAME—Based on the thrilling adventures of Daniel Boone, the most famous Scout in American History. The game board is beautifully colored. Size 13¾x 13¼ inches, ¼ dozen in a package, not broken..... 12.00

Per doz.

G6015—STEEPLE CHASE AND CHECKERS—Contains a folding board with checkers on reverse side and on the reverse side a playing surface for a well known popular game. Lithographed in brilliant colors and varnished both sides. Size of box 11¾x3 inches. Size of lithographed label, 9¾x11 inches. ¼ dozen in a package, not broken..... 15.00



Per doz.

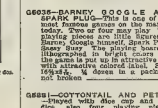
G6014 — TWO-IN-ONE COMBINATION BOARD GAME OF BASEBALL AND CHECKERS—Size, 18¾x17¾ inches. ¼ dozen in a package, not broken..... 16.00

Per doz.

G6027—INDIA AND CHECKERS—Contains a folding board with a checker board on one side and on the reverse side a playing design for a well-known popular game. Lithographed in brilliant colors, and varnished on both sides. Put up in durable boxes, with lithographed labels. Size 18¾x17¾ in....15.50

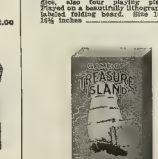
Per doz.

G6563—INDIA. A fine edition of this popular game with rubber board 15¼ inches square, wet, mude and strongly hinged. Implements are 16 brass rimmed cowhiers, 2 dice cups and four dice. Box tan in natural and attractive label, lithographed in colors. Size 15¾x7 ..... 16.00



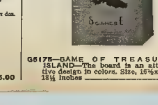
Per doz.

G6035—BARNEY GOOGLE AND SPARK PLUG—This is one of the most famous games on the market today. Two or four may play. The playing pieces are little figures of Barney Google himself, Spark Plug, Horsefeathers, The Professor and Sparky. Lithographed in colors and the game is put up in attractive box with attractive colored label. Size, 16¾x8¼. ¼ dozen in a package, not broken..... 16.00



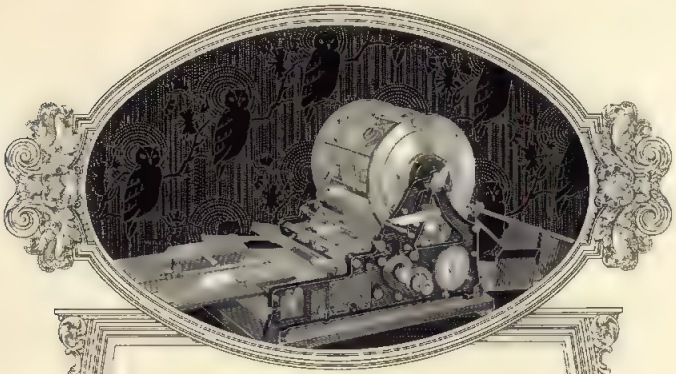
Per doz.

G6581—COTTONTAIL AND PETER—Played with dice and two dice, also four playing pieces. Played on a beautifully lithographed labled folding board. Size 16¾x 16¾ inches..... 16.00



Per doz.

G6175—GAME OF TREASURE ISLAND—The board is an attractive design in colors. Size, 16¾x16¾ inches 18¼ inches..... 16.00



Wisdom is in *doing*, more than in *saying*. Are you machine wise?

It is a self-evident fact that no man should be permitted to do a piece of work which a machine can do *better*. But here is a machine that does important work that could hardly be done *at all* without its help. Its ability to turn out thousands of well printed letters, forms, bulletins, designs, etc., in every hour of the working day, has made the Mimeograph an *indispensable* factor in many business and educational activities, where it is helping to beat down operating costs and to speed up general efficiency. In the day of the triumphant machine it pays to be machine wise.

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We maintain direct branches of our own factory in New York, Boston, Philadelphia, Washington, Cincinnati, Indianapolis, Pittsburgh, Detroit, St. Louis and Kansas City. And usually the best office equipment store in other cities sells Mimeographs and always has supplies in stock.

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You can't possibly know of the many important ways in which the Mimeograph can serve you until you have learned a few interesting facts concerning the Mimeograph of today. Let us send you an interesting booklet on this subject. A request will bring it without obligation.

A B Dick Company
Chicago

MIMEOGRAPH

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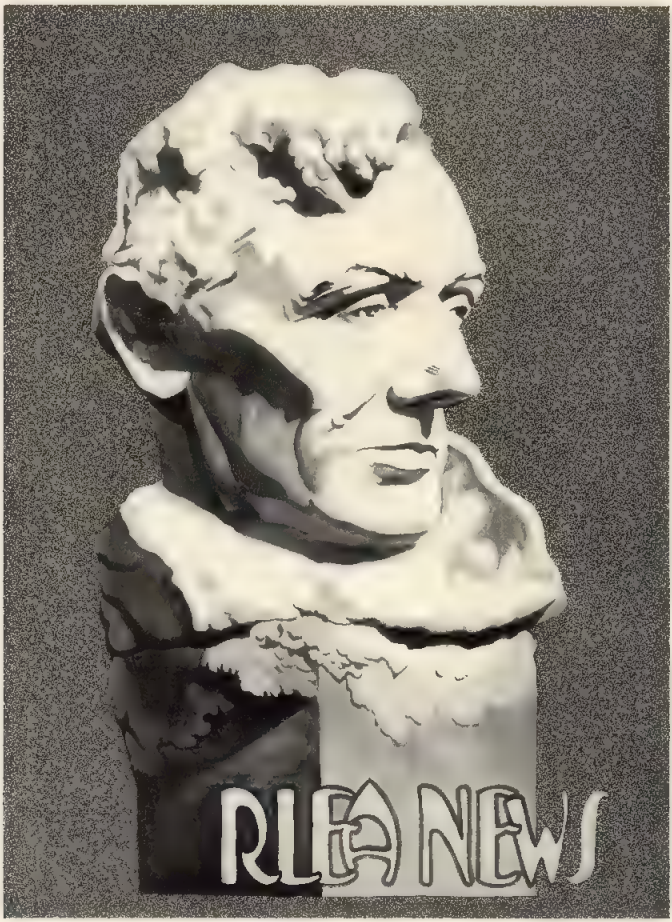


Drawing by Norman L. Klages *160 Screen Highlight Halftone*

THE GREAT EMANCIPATOR
(After Borglum's Statue)

Background tinted with Tintograph film No. 318 laid on negative. Highlights tooled by hand by Edwin Rawsthorne

Engraved by ROBERT RAWSTHORNE COMPANY, PITTSBURGH

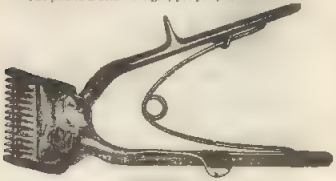
FETLOCK CLIPPERS

COATES'

Aluminum Frame.

Per Pair

No. 671—Coarse Teeth . . . . . .
One pair in a box. Weight, per pair, about 6 ounces.



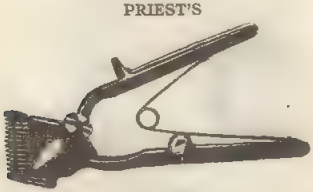
HUNTER

Nickel Plated. Coarse Teeth. For Fetlocks. Also Dogs. For Trimming About the Ears and Head. Parts Interchangeable.

Per Pair

No. 55—Weight, per pair, about 8 ounces.....
One pair in a box.

PRIEST'S



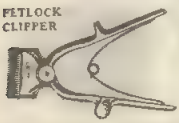
ONE HAND

Nickel Plated. Coarse Teeth. For Fetlocks. Also Dogs. Parts Interchangeable.

Per Pair

No. 64—Weight, per pair, about 8 ounces.....
One pair in a box.

FETLOCK CLIPPER



A Good Fetlock Clipper at a Very Low Price. Nickel-Plated Long Solid Handles. Coarse Teeth. Smooth Cutter. Per Pair

No. 500 Weight about 12 Oz. ..

EXTRA PARTS

Springs for No. 500 Loose .

MAIL US YOUR ORDER

A Sales Stimulator of Unusual Merit

BEAUTIFUL CATHEDRAL GONG COLONIAL CLOCK

1440 Clock Dials (Printed ½ A.M.–½ P.M.)

—

250 Circulars (Size 8½"x11")

—

Three Showcase Cards With Easels (Size 11"x14")

—

Two Window Posters (Size 20"x27")

—

Motion Picture Slide, Printed With Your Name

This Clock and Sales Plan Has a Remarkable Record for Increasing Sales and Costs Less than 1% to Operate

Here is the Proposition —With Each Clock are Included 1440 Printed Dials, Each Dial Having Hands Set One Minute Apart for 24 Hours. Merchant Places Clock and Announcement Poster on Window and with Each Sale of Optional Amount, During a Stipulated Period Gives Customer a Dial. When all Dials Have Been Distributed, Clock is Started and Runs for 8 Days or More. When it Runs Down and Stops, Person Holding Dial which Corresponds Exactly to the Time Shown on Clock Face, Receives from Merchant the Cathedral Gong Colonial Clock.

Description of No. 20 Clock

The Cathedral Gong Colonial Clock is a Most Remarkable Quality in Every Respect. Having an Excellent, Eight Day Movement Fitted with Handsome Gilded and Raised Cast Metal Figures. Size of Clock is 17 Inches High, and 8½ Inches Wide, Case is Made of Inlaid Oak, Flemished Weathered Oak. Cathedral Gong Strikes every Half Hour and Hour. Is Equally Adaptable for Shelf or Wall Usage, Being Fitted with Metal Hanging Hook at Rear.

General Guarantee

Every Single One of these Dials is Different from the Other, and this is Guaranteed so the Merchant Need Have no Fear that there are Two or More Dials Alike in this Assortment. We Guarantee this Entire Proposition to be Exactly as Represented in Every Respect, and That the Handling, as Suggested, Will Positively Stimulate the Merchant's Cash Business Greatly, as Well as Radically Assisting in the Collecting of Many Past Due Accounts.

This Eight Day Clock has Exceptional Utility as it Can be Used in Living-Room Bedroom, Kitchen, Hall or Dining-Room, Either on Wall or Shelf

This Plan Comes Complete, Ready for Immediate Operation, and is a Remarkable Unusual, Value at the Radically Low Price as Shown. In Ordering, it is Only Necessary to Specify the Number and Price.

Per Deal

†No. 20.....

†For shipment from factory only, F.O.B. St. Louis, Mo

ASSORTMENT OF INGERSOLL WATCHES WITH FREE DISPLAY FIXTURE

An Attractive Display Fixture in Colors. Made to Sell Ingersoll Watches for You.

It Has Hardwood Frame and Neat Little Hooks on Which to Hang Watches.

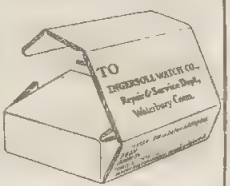
Display Fixture is Free with the Following Assortment.

	Costs the Merchant Each	Sells at Retail Each
4 Yankees		$1 55
1 Yankee Radiolite		2.00
1 Eclipse		2.50
1 Junior		2.25
1 Wrist Radiolite		3.00
1 Midget		4.25
1 Waterbury (New Metal Dial)		3 50
1 Waterbury Radiolite		4.50
1 Reliance (New Metal Dial)		5.00
		Per Assortment

No. 6A12 - Retail Value $37.25

One Assortment in a Case.

NEW INGERSOLL WATCH REPAIR SERVICE



The Following Describes the New Ingersoll Watch Repair Service and how it Can be Made a Big Asset to the Merchant Eliminating Trouble and Annoyance.

Mr Merchant,

One of Your Customers Comes to You with an Ingersoll that He has Dropped that Needs Repair

It is Natural that He Come to You Because He Bought the Watch from You and Because He Knows that You Will Take Care of Him.

Simply Give Him One of the Addressed Mailing Boxes as Illustrated Above, and Tell Him that if He Will Put His Watch in it, and Send Parcel Post Insured, it Will go to the Best Equipped Service Department in the Country, a Service Department Where Repairs are Made Promptly and at Nominal Cost. He Will Receive the Watch Back Delivered at His Own Front Door in a Surprisingly Short Time Tell Him to be Sure to PRINT His Own Name and Address on the Package; Also Tell Him that to Save Bookkeeping Expense, etc., it Will be Sent to Him C.O.D.

Thus You are Relieved of All Trouble and Annoyance in Handling Repairs, and Still you Have Done Your Customer a Favor and Made Him Think More of You and Your Store. He Will Think of You Again —Pleasantly—When He Sees How Quickly the Watch is Returned to Him and How Small the Cost. Be Sure to Have a Supply of Boxes on Hand At All Times. Sent FREE on Request.

WESTCLOX BEN HUR ALARM CLOCKS

Plain

No. 295

One in a box

TIP-TOP TRAVELER

Diminutive

WATERBURY DAINTIE CLOCKS

Luminous

	1 to 11 Each	In Doz. Lots Each	Case of 24 Each
No. BHL			

One in a box.

No. 2

Half dozen in a case.

Weight 42 lbs.

ALARM CLOCKS

Victory Eight Day

SOLID BRASS CASE.

Nickeled and Highly Polished.

Plain Dial

Height 7 Inches. Diameter of Dial 4¼ Inches. Large Cleartoned Ball Ou Back Alarm Controlled by the Ingraham Famous Warm Shut-off. Accurate Timekeeper and Positive Alarm Adjustment Time and Alarm Runs Eight Days with One Winding

No. 8P—Plain Dial. Each

Radium Dial

SOLID BRASS CASE.

Nickeled and Highly Polished.

Height 7 Inches Diameter of Dial 4¼ Inches Case Cleartoned Ball Back Alarm Controlled by Ingraham Famous Warm Shut-off Accurate Timekeeper and Positive Alarm Adjustment. Time and Alarm Runs Eight Days with One Winding

No. 8R—Radium Dial. Each

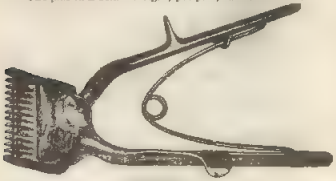
FETLOCK CLIPPERS

COATES'

Aluminum Frame.

Per Pair

No. 671—Coarse Teeth . . . . . .
One pair in a box. Weight, per pair, about 6 ounces.



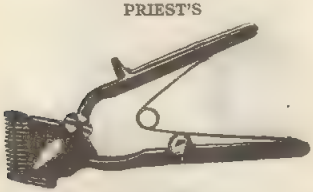
HUNTER

Nickel Plated. Coarse Teeth. For Fetlocks. Also Dogs. For Trimming About the Ears and Head. Parts Interchangeable.

Per Pair

No. 55—Weight, per pair, about 8 ounces.....
One pair in a box.

PRIEST'S



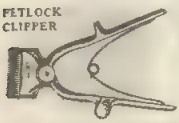
ONE HAND

Nickel Plated. Coarse Teeth. For Fetlocks. Also Dogs. Parts Interchangeable.

Per Pair

No. 64—Weight, per pair, about 8 ounces.....
One pair in a box.

FETLOCK CLIPPER



A Good Fetlock Clipper at a Very Low Price. Nickel-Plated Long Solid Handles. Coarse Teeth. Smooth Cutter. Per Pair

No. 500 Weight about 12 Oz. ..

EXTRA PARTS

Springs for No. 500 Loose .

MAIL US YOUR ORDER

A Sales Stimulator of Unusual Merit

BEAUTIFUL CATHEDRAL GONG COLONIAL CLOCK

1440 Clock Dials (Printed ½ A.M.–½ P.M.)

—

250 Circulars (Size 8½"x11")

—

Three Showcase Cards With Easels (Size 11"x14")

—

Two Window Posters (Size 20"x27")

—

Motion Picture Slide, Printed With Your Name

This Clock and Sales Plan Has a Remarkable Record for Increasing Sales and Costs Less than 1% to Operate

Here is the Proposition —With Each Clock are Included 1440 Printed Dials, Each Dial Having Hands Set One Minute Apart for 24 Hours. Merchant Places Clock and Announcement Poster on Window and with Each Sale of Optional Amount, During a Stipulated Period Gives Customer a Dial. When all Dials Have Been Distributed, Clock is Started and Runs for 8 Days or More. When it Runs Down and Stops, Person Holding Dial which Corresponds Exactly to the Time Shown on Clock Face, Receives from Merchant the Cathedral Gong Colonial Clock.

Description of No. 20 Clock

The Cathedral Gong Colonial Clock is a Most Remarkable Quality in Every Respect. Having an Excellent, Eight Day Movement Fitted with Handsome Gilded and Raised Cast Metal Figures. Size of Clock is 17 Inches High, and 8½ Inches Wide, Case is Made of Inlaid Oak, Flemished Weathered Oak. Cathedral Gong Strikes every Half Hour and Hour. Is Equally Adaptable for Shelf or Wall Usage, Being Fitted with Metal Hanging Hook at Rear.

General Guarantee

Every Single One of these Dials is Different from the Other, and this is Guaranteed so the Merchant Need Have no Fear that there are Two or More Dials Alike in this Assortment. We Guarantee this Entire Proposition to be Exactly as Represented in Every Respect, and That the Handling, as Suggested, Will Positively Stimulate the Merchant's Cash Business Greatly, as Well as Radically Assisting in the Collecting of Many Past Due Accounts.

This Eight Day Clock has Exceptional Utility as it Can be Used in Living-Room Bedroom, Kitchen, Hall or Dining-Room, Either on Wall or Shelf

This Plan Comes Complete, Ready for Immediate Operation, and is a Remarkable Unusual, Value at the Radically Low Price as Shown. In Ordering, it is Only Necessary to Specify the Number and Price.

Per Deal

†No. 20.....

†For shipment from factory only, F.O.B. St. Louis, Mo

ASSORTMENT OF INGERSOLL WATCHES WITH FREE DISPLAY FIXTURE

An Attractive Display Fixture in Colors. Made to Sell Ingersoll Watches for You.

It Has Hardwood Frame and Neat Little Hooks on Which to Hang Watches.

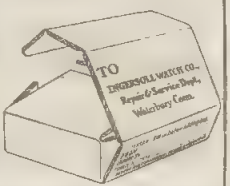
Display Fixture is Free with the Following Assortment.

	Costs the Merchant Each	Sells at Retail Each
4 Yankees		$1 55
1 Yankee Radiolite		2.00
1 Eclipse		2.50
1 Junior		2.25
1 Wrist Radiolite		3.00
1 Midget		4.25
1 Waterbury (New Metal Dial)		3 50
1 Waterbury Radiolite		4.50
1 Reliance (New Metal Dial)		5.00
		Per Assortment

No. 6A12 - Retail Value $37.25

One Assortment in a Case.

NEW INGERSOLL WATCH REPAIR SERVICE



The Following Describes the New Ingersoll Watch Repair Service and how it Can be Made a Big Asset to the Merchant Eliminating Trouble and Annoyance.

Mr Merchant,

One of Your Customers Comes to You with an Ingersoll that He has Dropped that Needs Repair

It is Natural that He Come to You Because He Bought the Watch from You and Because He Knows that You Will Take Care of Him.

Simply Give Him One of the Addressed Mailing Boxes as Illustrated Above, and Tell Him that if He Will Put His Watch in it, and Send Parcel Post Insured, it Will go to the Best Equipped Service Department in the Country, a Service Department Where Repairs are Made Promptly and at Nominal Cost. He Will Receive the Watch Back Delivered at His Own Front Door in a Surprisingly Short Time Tell Him to be Sure to PRINT His Own Name and Address on the Package; Also Tell Him that to Save Bookkeeping Expense, etc., it Will be Sent to Him C.O.D.

Thus You are Relieved of All Trouble and Annoyance in Handling Repairs, and Still you Have Done Your Customer a Favor and Made Him Think More of You and Your Store. He Will Think of You Again —Pleasantly—When He Sees How Quickly the Watch is Returned to Him and How Small the Cost. Be Sure to Have a Supply of Boxes on Hand At All Times. Sent FREE on Request.

WESTCLOX BEN HUR ALARM CLOCKS

Plain

No. 295

One in a box

TIP-TOP TRAVELER

Diminutive

WATERBURY DAINTIE CLOCKS

Luminous

	1 to 11 Each	In Doz. Lots Each	Case of 24 Each
No. BHL			

One in a box.

No. 2

Half dozen in a case.

Weight 42 lbs.

ALARM CLOCKS

Victory Eight Day

SOLID BRASS CASE.

Nickeled and Highly Polished.

Plain Dial

Height 7 Inches. Diameter of Dial 4¼ Inches. Large Cleartoned Ball Ou Back Alarm Controlled by the Ingraham Famous Warm Shut-off. Accurate Timekeeper and Positive Alarm Adjustment Time and Alarm Runs Eight Days with One Winding

No. 8P—Plain Dial. Each

Radium Dial

SOLID BRASS CASE.

Nickeled and Highly Polished.

Height 7 Inches Diameter of Dial 4¼ Inches Case Cleartoned Ball Back Alarm Controlled by Ingraham Famous Warm Shut-off Accurate Timekeeper and Positive Alarm Adjustment. Time and Alarm Runs Eight Days with One Winding

No. 8R—Radium Dial. Each

THE SPIRIT OF MODERN BUSINESS

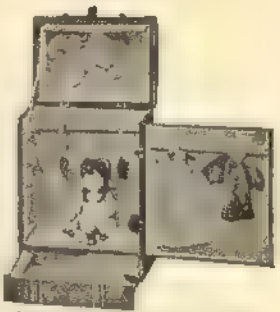
This Insert of two Pages designed, engraved and printed by F. A. Ringler Co., New York

Halftone Key and three Color plates

DOLL OUTFITS
Retail from $1.50 to $3.00

Sample Assortments Sent
Upon Receipt of
$15.00, $20.00 or $25.00

SWINGS
Retail from 75c. to $2.00



DOLL OUTFITS IN TRUNK
Retail at $3.00

EDMUND LERCH, EPPENDORF, SAXONY, GERMANY

Manufacturer of Furnished Doll Trunks, Bath Houses, Boxes, Baskets. Also Decorated White Lacquered Swings, Folding Chairs, School Benches, Swinging Chairs and Settees.

Christmas Tree Decorations

made of wadding (fruits, birds, figures), tree ornaments, articles for filling

—WADDING BALLS—

in all sizes

for carnivals and dances, loose and in packages

—DANCE NOVELTIES—

Badges made of chenille and wadding

Manufactured by

ZEHL & CO.

Dresden N. 23/7 (Germany)

— Exhibit at Leipzig Fairs —

One-Half Actual Size

WATER PISTOLS

TO RETAIL AT 25 CENTS

Each Pistol Packed in a Separate Box

Sample Package of 36 Pistols Sent Post Free, including Packing for $3.00

MANUFACTURED BY

ADRIAN & RODE

VELBERT (Rhld.) GERMANY

FOUNDED 1872

Doll Beds
Doll Carriages

Made as a Specialty
Since 1890

ADOLPH WOLFGANG & CO.

Ironware Factory

OEDERAN (Saxony) GERMANY

MOLDS FOR MAKING LEAD SOLDIERS

With our artistic molds any child can easily make lead soldiers, Indians, trappers, wild animals, deer, rabbits, and many other forms. Gives much pleasure to children and grown-ups.

Every mold guaranteed to make thousands of figures without deterioration. Made of heavy aluminum.

Catalog with over 200 illustrations sent free on request.

GEBR. SCHNEIDER

LEIPZIG-N. 22/41. Halliche Str. 119.

MOTO-METERS.
BOYCE

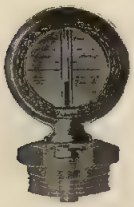
DE LUXE MODEL.

The Heat Indicator

This model is all that its name implies. It is especially designed for use on high-grade passenger cars. The instrument is triple nickel plated, has a retaining ring embossed with laurel wreath, and a gold finished dial with hand lettering denoting various operating conditions of your motor. The entire instrument is of the highest quality. Each DeLuxe instrument is equipped with the Schlaich Chain Lock, offering protection against theft.

DeLuxe. Complete with Schlaich Chain Lock. Wt. 28½ oz..Each **$15 00**

STANDARD MODEL.



A perfect heat-indicating instrument of the highest type. Because of its perfection of workmanship, the Standard Model has been selected as regular equipment on many of the leading cars. This instrument is nickel plated, has a retaining ring embossed with laurel wreath, and a gold finished dial with hand lettering denoting various operating conditions of your motor.

Standard. Wt., 16 oz.....Each **$10 00**

UNIVERSAL MODEL.

This attractive instrument is especially for use on passenger cars of medium size. Though slightly smaller than the Standard Model, it fulfills the same functions with the same high standard of efficiency.

The Universal Model has bevelled crystals both front and rear. The frame of the instrument is finished in a durable highly polished nickel.

Universal. Wt., 12 oz.....Each **$7 50**

JUNIOR MODEL.

The Junior Model Boyce Moto-Meter is a durable, accurate instrument, embodying all the features of the larger models. It has a heavy nickel plated frame, and the same temperature range as the larger instruments. Size, 3x4⅞.

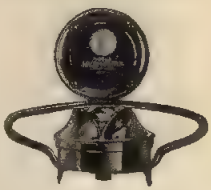
Junior. Wt., 8 oz.....Each **$5 00**

MIDGET MODEL.

This attractive instrument has a distinct appeal to every small car owner. Its high standard of efficiency, as well as its accuracy, have made it one of the most popular instruments in the line. A heavily nickeled frame with bevelled crystals, make it an extremely ornamental as well as useful addition to any car. Size, 2¼x3⅛ inches.

Midget. Wt., 5 oz.....Each **$3 50**

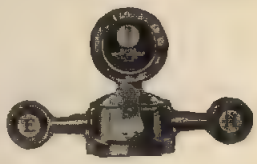
SPECIAL FORD MODEL.



If every Ford owner knew the value of a Boyce Moto-Meter on his car, he would, without question, install one immediately. The Special for the Ford consists of the Midget Model mounted on a handsomely designed locking radiator cap . The complete unit is nickel plated, and offers an article of great utility as well as beauty for the Ford car.

Special Ford. Wt., 12 ozs..Each **$4 00**

SPECIAL ARISTOCRAT MODEL.



For the Ford and Other Small Cars.

Utility, beauty and protection—three elements combined—are offered in the Aristocrat Model Boyce Moto-Meter. A Midget Model Boyce Moto-Meter, mounted on a handsomely designed locking radiator cap, and the complete unit nickel plated and assembled ready for installation. The Aristocrat Model for Chevrolet, Maxwell, Overland, Star or Gray is furnished complete with adaptors for these cars. No adaptors are necessary when installing on the Ford car. While the Midget Model Boyce Motormeter is regularly furnished with the Aristocrat, the hole in the cap is sufficiently large to permit the use of the Universal Model without interference from the steam of the instrument in opening the cap. Those desiring the larger instrument can easily have change made by the dealer at a slight additional cost.

Aristocrat for the Ford. Wt., 1¾ lbs. .....Each **$7 00**

Aristocrat for the Chevrolet, Maxwell, Overland, Star or Gray. Wt., 1¾ lbs. .....Each **$7 00**

All moto-meters one in a box—ten in a carton.

MOTO-METERS.

BOYCE.

MODEL H.

Made for those who wish to know the actual temperature in degrees of the water in cooling system of their cars; not affected by the jars and jolts of the roughest road; can be installed on any car within a short time. Has a 2-inch dial, with 2½ inches outside diameter; fits into a 2 1/16 inch hole in dashboard; furnished with 5 feet connecting tubing and special rubber hose connection bulb.

Model H. Wt., 1 1/16 lbs..Each **$8 00**

Model H—Illuminated .....Each **10 00**

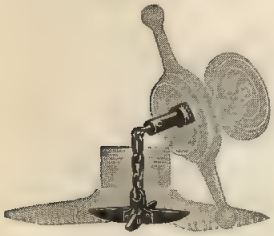
MODEL S.

Identical to the Model H in operation, but somewhat different in design and special mounting; is provided with an arm for mounting on the steering column, which can be done in fifteen minutes, as it is neither necessary to drill through the tough metallic dashboard, nor to tap into the cylinder castings; a simple strap, fitting all size steering columns, quickly secures the instrument dial under the driver's eyes. A miniature electric bulb placed behind the dial of this instrument, provides illumination for night driving. The entire unit is nickel plated. Has 2 inch dial with 2 7/16 inch outside diameter; 4 inches long by 2½ inches high; furnished with 7 feet of connecting tubing with special rubber hose anad connection bulb.

Model S. Wt. ea., 2 1/16 lbs..Each **$12 50**

MOTO-METER LOCKS.

ANCHOR.



One style lock to fit Ford, Midget, Junior, Universal and Standard Moto-Meters. Its use is assurance against loss of Moto-Meter and Radiator Cap; chain is case hardened; steel construction throughout.

Anchor. Wt., ¼ lb. .....Each **$1 50**

Specify for style Moto-Meter.

One doz. in counter display case.

AUTO CLOCKS.

TACOMA.

Stem Wind and Stem Set.

Easily and quickly installed by drilling a 3/16 inch hole. Finish, all nickel; dial, white with black numerals; regulator, on back of clock; installation, drill 3/16 inch hole and insert bolt; space required on instrument board, 1⅞ inches. Length of stem, 1⅜ inches.

Tacoma. Plain Dial. Weight, 4 ozs. .....Each **$2 50**

Tacoma. Luminous Dial. Weight, 4 ozs. .....Each **$3 50**

GLOWNITE.

The Glownite model has a black dial with "Undark" radium numerals and hands which stand out as clearly by night as by day. A lockplate completely encloses the clock, enhancing its appearance and affording protection against theft. 30 hour movement. Illustration ½ actual size.

Glownite. Wt., 2 ozs.....Each **$4 50**

Every ignition expert knows

This small .015" spark gap creates a hot intensive spark for quick, easy starting

STARTING a car is easier when the spark gap is set small; bound to be so, for most of the battery output is being used to turn over the engine—very little finds its way thru the ignition coil to the spark plugs.

Yet, obviously, a spark gap set to meet the demands of easy starting is shy of running power—the same gap cannot possibly be right for two such dissimilar conditions as starting and running: a gap that is set and fixed must of necessity be a compromise, satisfying neither condition.

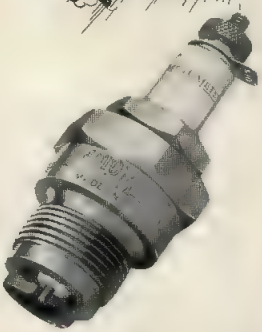
Moto Meter Spark Plugs, because of the self-adjusting gap, meet the demands of quick starting and smooth running with a gap for each condition—a *proper* gap that means the utmost in engine efficiency and improved motor performance. Every set of Moto Meter self adjusting Spark Plugs you sell carries with it the assurance of complete motor satisfaction that earns dividends for you in consumer good will.

List for Fords, 75c. Other Cars, 90c
Trucks and Tractors, $1.00 (Heavy Duty)

THE MOTO METER COMPANY, Inc., Long Island City, N. Y.
THE MOTO METER CO. OF CANADA, Ltd., Hamilton, Ontario

The name Moto Meter is the registered trade mark and exclusive property of this company

This wide .030" spark gap gives a fat, strong spark for smooth running, quick pick up—more pep

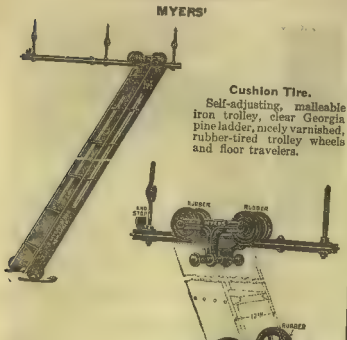


MOTO METER
TRADE MARK REG. U.S. PAT. OFFICE
SELF-ADJUSTING
SPARK PLUG

IF IT'S A MOTO METER PRODUCT IT'S THE LEADER IN ITS LINE

STORE LADDERS

MYERS'



Cushion Tire.

Self-adjusting, malleable iron trolley, clear Georgia pine ladder, nicely varnished, rubber-tired trolley wheels and floor travelers.

The track is double angle steel rail, which is very neat and strong and is suspended from ceiling by means of lag screws, either 3 jointed or rigid, or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble and without any blocking or bridging.

The trolley is self-adjusting, is made of malleable iron, fitted with turned steel bearings, and 3 inch anti-rattler wheels, turned and bored on a lathe and fitted with special rubber tires.

The ladder is constructed of the best clear Georgia pine nicely finished, filled and varnished. It has open panel sides 5 inches wide, with 5 inch steps, each step being supported at each end with a special malleable dowel-tee, which makes the strongest construction possible. The width of ladder is 12 inches.

The floor-travelers are 5 inches in diameter, composed of metal sides with rubber cushioned tires, clamped in such a position as to be impossible to come loose or work off. They are laced on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to ceiling.

2nd.—Give entire length of track required.

	Each
No. IML—Ladder and hanger, complete without track; for ceilings 14 ft or less in height; wt each 60 lbs	✦$66 00
	Per Ft
For each additional foot of ladder or fraction there of for ceilings in excess of 14 ft	$3 60
	Per Ft
No. IMT—Track and hanger bolts; wt per ft 2½ lbs	✦$0 93

Shipped wrapped with castings protected by cleats.

✦F. O. B. Ohio Factory Only.

STORE LADDERS

MILBRADT'S

Made to order, any shape and length necessary to fit shelving, of good oak lumber, in the best possible workmanlike manner, finished in first class style. They are made in various styles to suit all kinds of shelving.

Bent Shelf Ladders.

Runs on steel track; has rubber rollers attached near the lower end that run against the edge of base shelf; nickel plated malleable iron trimmings.

The track should be fastened to a shelf that is about 3 feet from the top.

In ordering, observe the following instructions:

1st.—Give the exact height from floor to top of ledge.

2nd.—Give the exact width or projection of base shelf.

3rd.—Give the exact perpendicular height from the top of ledge to the top of shelf to which track is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of uprights from center to center.

6th.—State if uprights are straight faced or turned spindle.

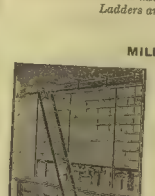
	Each
No. 1—Complete with fixtures; wt each 50 lbs	✦$66 00

Steel Track.

	Per Ft
No. 8—Steel track for brackets not over 4 ft apart; complete with brackets and ends; wt per ft 1 lb	$1 14

Ladders and track crated.

MILBRADT'S



Trolley Ladder.

Has a suitable fixture with wheels at the top that run on a track, fastened to the ceiling. It also has attached at the bottom cushion tired wheels that run on the floor. This ladder is very strongly built and is especially adapted for hardware stores or any place of business where heavy goods are handled.

This ladder can be made to operate on any possible kind of curve by using special swivel wheels and track curves.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to ceiling.

2nd.—Give entire length of track required.

	Each
No. 15—Complete with fixtures; wt each 50 lbs	✦$66 00

Steel Track.

	Per Foot
No. 11—Ceiling or trolley track; complete with brackets and screws; wt per ft ½ lb	✦$1 14
Extra For Swivel Wheels	Per Ladder $8 25
Extra For Track Curves	Per Curve $6 75

Ladders and track crated.

✦F. O. B. Missouri Factory Only.

STORE LADDERS

MILBRADT'S

Bent Ladder.

Intended for shelving that is not very strong, as most of the weight rests on the floor. This ladder runs on a hardwood track fastened to shelving near the top to guide it and has attached at the bottom cushion tired wheels that run on the floor, but no track is used on the floor.

The track should be fastened to a shelf that is about 3 feet down from the top.

In ordering, observe the following instructions:

1st.—Give the exact height from floor to top of ledge.

2nd.—Give the exact width or projection of base shelf.

3rd.—Give the exact perpendicular height from the top of ledge to the top of shelf to which track is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of uprights from center to center.

6th.—State if uprights are straight faced or turned spindle.

	Each
No. 2—Complete with fixtures; wt each 50 lbs	✣$66 00

Wood Track.

	Per Ft
No. 7—No brackets needed; complete with screws; wt per ft ⅓ lb	✣$0 99

Ladders and track crated.

BICYCLE

Bent Floor Track Ladders.

Track is placed on the floor entirely independent of the base shelf, and for this reason this style is preferred by many buyers to any other, particularly where the base shelf is narrow. Otherwise this ladder is the same as the bent base shelf. The track for the floor is so small that there can be no objection to it whatever.

Both the oak and pine are finished in the natural wood colors.

In ordering, observe the same instructions as on No. 25 ladder shown on preceding page.

	Each
No. 29—Oak, japanned mountings	✣$66 00
No. 30—Oak, nickel plated mountings	✣ 72 75
No. 31—Yellow pine, japanned mountings	✣ 59 25
No. 32—Yellow pine, nickel plated mountings	✣ 66 00

Average wt, 40 lbs.

Wrapped in paper, with castings protected with cleats.

Track for Bicycle Ladders, Base or Floor.	Per Ft
No. 20—Plain steel rail, special pole, black japanned brackets	✣$0 99
No. 21—Noiseless rail, special pole, nickel plated brackets	✣1 32
No. 22—Noiseless rail, special pole, black japanned brackets	✣1 14
No. 23—Nickel plated steel rail, special pole, nickel plated brackets	✣1 32

Wt per ft, ½ lb.

Wrapped in paper, with castings protected with cleats.

Track at prices quoted includes rail for bottom and guide pole for top, complete with all necessary brackets, screws, pole ends, etc., furnished ready to put up.

✣**Milbradt's F. O. B. Missouri Factory Only.**

✣**Bicycle F. O. B. Iowa Factory Only.**

STORE LADDERS

BICYCLE

Track is built at the bottom, either on the base shelf or the floor so that the entire weight of the ladder and operator is supported from below.

Light turned pole at the upper end of the ladder is used for a guide. Stout hook holds the pole in place. Has an extra wide shelf at the top for convenience of handling goods.

Has a double track; a half round steel rail for the wheels to run on at the bottom. The steel rail is 3/16 of an inch in height and 3/8 of an inch in width, the pole is little over an inch in diameter; sides 3½ inches wide; steps 4 inches wide; length of steps 12 inches.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd.—Give exact width of ledge.

3rd.—Give exact perpendicular height from ledge to top of shelf to which ladder is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of uprights from center to center.

6th.—State if uprights are straight faced or turned spindle.

	Each
No. 25—Oak, japanned mountings	✣$66 00
No. 26—Oak, nickel plated mountings	✣ 72 75
No. 27—Yellow pine, japanned mountings	✣ 56 25
No. 28—Yellow pine, nickel plated mountings	✣ 63 00

Average wt per ft, 3½ lbs.

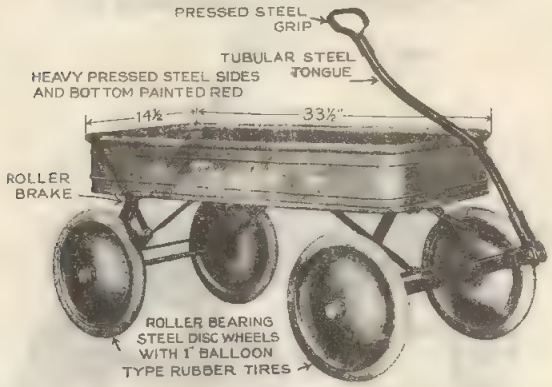
Wrapped in paper, with castings protected with cleats.

✣**F. O. B. Iowa Factory Only.**

Our Builders Hardware Contract Department is here to give you the service you need. We are equipped to give the plans of your buildings and your specifications for builders hardware, no matter how small or how large, our very best of attention and consideration.

In any construction work, delays prove costly. Let us serve you.

"MY PAL"
STEEL COASTER WAGON


PRESSED STEEL GRIP
TUBULAR STEEL TONGUE
HEAVY PRESSED STEEL SIDES AND BOTTOM PAINTED RED
14½"
33½"
ROLLER BRAKE
ROLLER BEARING STEEL DISC WHEELS WITH 1" BALLOON TYPE RUBBER TIRES

SIZE—14½ x 33½ Inches.

BODY—Made Entirely of Heavy Pressed Steel. Sides Heavily Beaded to Give Exceptional Strength and Pleasing Appearance. Extra Heavy Roll Around Top Edge.

BOLSTERS—Specially Constructed Steel Bolsters with Heavy Pressed Steel Fifth Wheel Plates. Sturdy Bolster Braces and Draw Bar. Rigidly Reinforced Axle Construction.

WHEELS—11 Inch Diameter. Heavy Duty Steel. Disc Type. Large Nickel Plated Hub Caps.

BEARINGS—Steel Roller Bearings.

TIRES—Rubber. 1 Inch Balloon Type.

TONGUE—Tubular Steel, Bent. With Pressed Steel Grip.

BRAKE—Heavy Rubber Roller. Pressed Steel Handle.

FINISH—Body (Inside and Outside), Inside Bottom and Disc Wheels Bright Red Enameled. Gold Lettering. Balance of Metal Parts Black Japanned.

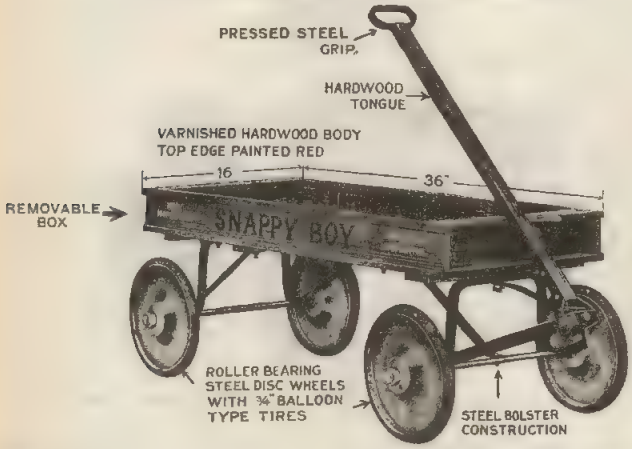
	Each	12 or more Each
No. MP8—Size 14½ x 33½ Inches . . .		

Shipped knocked down, one in a shipping carton.

Weight about 40 lbs.

NEW IMPROVED "SNAPPY BOY" COASTER WAGON

The wagon that leads them all!



SIZE -16 x 36 Inches.

BODY—Selected Hardwood Throughout. Bed (Bottom) Full ½ Inch Thick, also Sides and Mouldings. Ends ¾ Inch Thick. Sides Dadoed and Ends Securely Nailed. Box Sides Reinforced with Heavy Hook Bolts to Prevent Warping. Removable Box, which Enables Youngster to Convert it Into a Flat Bottom Truck

BOLSTERS—Full ½ Inch Gold Rolled Bessemer Steel Axles. Hub is 2½ Inches Long. Hound and Draw Irons Made of Extra Heavy Steel. Will Not Twist or Bend Out of Shape. Channel Steel Running Gear ¾ x ½ Inches.

WHEELS—19 Gauge Extra Heavy Double Disc Wheels.

BEARINGS—Oversize Roller Bearings, ⅞ Inch in Diameter.

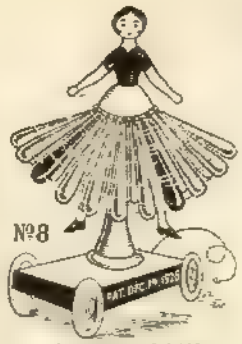
TIRES—¾ Inch Firestone Rubber Tires Put on with Galvanized Wire. Tires Rolled on Under Compression, Insuring Tight Fit.

TONGUE—1⅛ Inch Square. Made of Selected Hardwood with Heavy Steel Grip that Fits the Hand.

FINISH—Body and Tongue Carefully Sanded, Filled with Special Filler and then Varnished with a Special High Lustre Varnish that will Withstand All Weather. No Shellac Used. Top and Bottom Mouldings as well as Disc Wheels Enameled Bright Red. All Other Metal Parts Black Japanned.

	Each	Quantities of 12 or more
No. 1926—Size 16 x 36 Inches.....		

Shipped knocked down. One in a strong cardboard shipping container.



Patent No 1 610 695
Manufacturers or Distributors infringing on this item will be prosecuted.

WHIRLING FLAPPERS

The Sensation in Pull-Toys

We offer for the new season several new and fascinating numbers, each one "alive" with action, and beautifully enameled in variegated colors.

Send for Illustrated Circular or Samples

American Playthings Co.

31-35 BROADWAY
BROOKLYN, N. Y.

Factory Representatives
H. Iffelder & Co. Geo. Borgfeldt & Co.
Carl Silverman Strobel-Wilken Co., Inc.

No game department is complete without

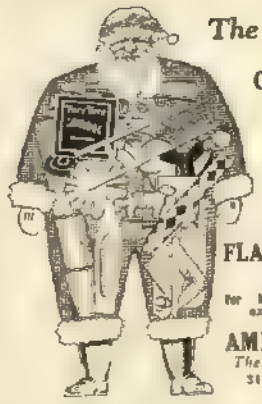
TRADE *Flinch* MARK REGISTERED

Sells the year round the world over.
More simple than Authors.
More scientific than Whist.
For twenty years the best selling game.

Write at once for prices

FLINCH CARD CO.

KALAMAZOO, MICHIGAN



The AMICO Line
of
Christmas Stockings
and
Santa Claus
Packages
Filled or empty

And a line of all year sellers, including

FLANNEL UNSTUFFED ANIMALS

for kiddies who cannot afford expensive Stuffed Animals

AMMIDON & CO.
The 51-year old house
31 S. Frederick Street
Baltimore, Md.

MARBLES

NATIONAL
ONYX and CERISE MARBLES
PRIMA AGATES

Beautifully colored marbles in cerise, blue, purple, green, amber and royal blue, to retail at 1c and 2c. Also quick selling packages in handy pocket sizes to retail at 5c and 10c.

M. GROPPER & SONS, Inc.
JAMES O'BRIEN, Sales Manager
200 Fifth Ave., Room 409 New York City

THE ELMBERG CO.

LADYSMITH, WIS.

JUVENILE FURNITURE

AND

WOOD NOVELTIES

"GEE" MECHANICAL

ANIMALS

DANCING TOYS TO RETAIL AT $1.00

Also a Beautiful Line of
SILK PLUSH and POWDER PUFF "PLUSH"

Animals to Sell at $1.00
These Are the Fastest Selling Animal Toys on the Market
Write for Sample Line Today

GUND MFG. CO.
J. SWEDLIN, Inc., Successors
833 Dancing Falls 13 East 17th Street New York

STUFFED ANIMALS

Made in every conceivable size and style

EASTER RABBITS

All Styles in Velvet and Plush

The Long Profit Line for Jobbers

Send for Samples and Prices

EXPERT DOLL & TOY CO.
128-30 Bleecker Street
New York City

HAFNER MFG. CO.

3128 Carroll Ave. Chicago, Ills.

"Overland Flyer"

Miniature Railways

NAIAD

The Wonder PLAY-BALL

Brightest rainbow colors, in five strikingly different designs. Of strongest quality rubberized fabrics with guaranteed rubber bladder and reinforced lace panel. Just the thing for indoor and outdoor sport. Compact . . . in attractive display boxes.

NAIAD Rainbow Playball, made with end panels. Brilliant colors. 12-inch diameter.

THE C. E. CONOVER CO.
319 Fifth Avenue New York

Always a Good Seller

Just now selling faster than ever. Looks just like a real automatic. Shoots a stream of water 25 feet. Blued steel finish all metal, no rubber bulb. One of the best selling 25c items on the market today. Order from your jobber. Immediate delivery.

DAISY MANUFACTURING CO.
Plymouth, Mich.

DAISY LIQUID PISTOL

Two Big Profit Makers

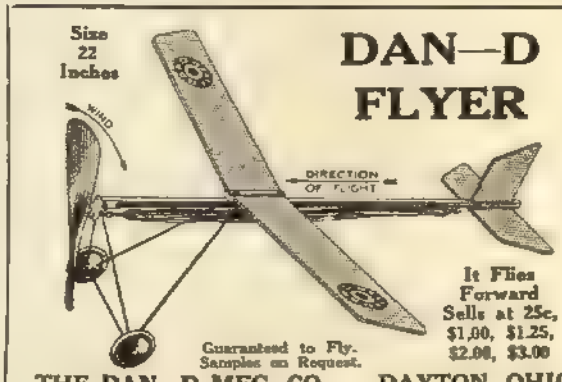
1.—Crack Shot Game
Strongly made. All steel, lithographed in bright, snappy colors that attract attention. Proven all-year seller.

2.—Wild West Game
A five-wire shooting game, attractively colored, that provides real entertainment. You'll like it!

Watch for Three New Numbers

Sells for 25c

Convex Sign Company
900-910 West Lake Street
CHICAGO



DAN—D FLYER

It Flies Forward
Sells at 25c, $1.00, $1.25, $2.00, $3.00

Guaranteed to Fly. Samples on Request.

THE DAN—D MFG. CO. DAYTON, OHIO

Know *the* Cropper Line Before Buying

Juvenile and Toy Furniture that stands out and attracts your customers.

The reason for Cropper success is better construction, more careful finish, outstanding ideas

Write for complete catalog.

C. K. CROPPER & CO.
Parkersburg Iowa

MASKS
PAPER HATS

SANTA CLAUS OUTFITS

Costumes, Horns, Blowouts, Noise Makers
Lanterns Masquerade Hair Goods

IMPORTED and DOMESTIC

DESSART BROTHERS, Inc.

503 METOPOLITAN AVE. BROOKLYN, N. Y.
FACTORIES: BROOKLYN, N. Y., and SONNEBERG, GERMANY

QUALITY
MADE IN TWO SIZES

Western Representative: Chas. H. Rhd
166 W. Jackson Blv'd, Chicago, Ill.

C-Y-P

The "Better Brand" Means **Quality**

Birthday Cake Candle Holders

Send For Samples

Cypress Nov. Corp.
2312 ATLANTIC AVE.
BROOKLYN, N. Y.

Display Rooms:
35 E. 19th St., N. Y. C.

UNCLE SAM'S—

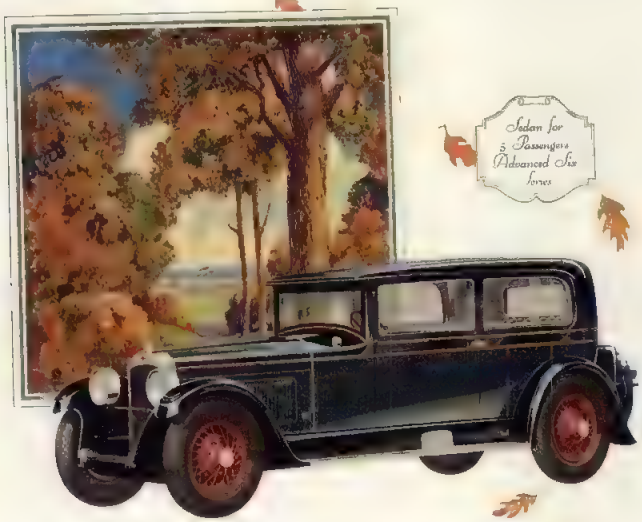
REGISTERING AND ADDING SAVINGS BANKS

Single Coin Models — Penny—Nickel Dime — Quarter — Half Dollar Banks.
3-COIN MODEL—Takes Nickels, Dimes and Quarters through same slot.
Rings ONCE for NICKELS,
TWICE for DIMES,
FIVE TIMES for QUARTERS.

ASK US ABOUT
The New "CASH STORE" Register
"The Sensation of the Toy Fair"

THE DURABLE TOY & NOVELTY CO.
869 Broadway, at 18th Street, New York
"There's a Pleasure Insurance in Toys of Endurance"

A FINER, FASTER, SMARTER-LOOKING SEDAN FOR FIVE THAN ANY AT ITS PRICE



You can see from this illustration of the Nash Advanced Six Sedan for Five one reason why Nash is breaking all previous high sales records!

HERE is a smarter-looking car than others at its price, equipped more luxuriously, with every nicety and convenience of travel. The crowning touch is a big built-in custom trunk at the rear, bound with heavy nickel straps for style.

¶ When you drive this car you'll discover many other reasons which are impelling people to buy it—features of performance high above the average

¶ It's a more powerful car, enthusiastic and instantaneous in getting into motion, exertionless on hills, and very fast.

¶ It's a smoother riding car, due to new specially-designed alloy-steel springs, just introduced by Nash.

¶ Engine is smoother—*7 bearings.*

¶ And, without a doubt, here is the *easiest handling car on earth,* because of the New and easier Nash steering mechanism.

¶ Look at and drive all the cars built today in the Nash field, and you'll speedily decide *you would rather have a Nash!*

NASH LEADS THE WORLD IN MOTOR CAR VALUE

NASH

Courtesy of The Green, Fulton, Cunningham Co.

Four Color Process Plates

A National Magazine Advertisement

This insert of four pages engraved and furnished by Premier Engraving Co., Chicago

Guardian of the Flight of Time

Winton Watch

WINTON LIDO WATCH

Three piece case with removable back and bezel of dust-proof construction—round glass eliminates crystal fitting troubles—round shape dial permits accurate time reading. A watch extremely thin and compact, assuring comfort on wrist.

W1071 14Kt Green Gold Filled . . . $42.70
W1072—14Kt. White Gold Filled . . . 42.70

Among men everywhere, Winton Strap Watches enjoy favorable recognition. This may be due to the accuracy for which all Winton Watches are justly famous. ¶Perhaps it is their dependability, for nothing pleases a man more than the confidence he places in his Winton Wrist Watch. Again, it may be the truly masculine design of Winton men's Watches which so strongly appeals to the discriminating taste. Whatever the cause, the effect is everywhere apparent—more and more men every day wear Winton Strap Watches!

W1073 14Kt White Gold Filled Finish Polished $43.30
W1074 14Kt White Gold Filled Engraved 46.70

W1083 Star Stellar White Case $34.90
W1084 Star Stellar Green Case 34.90

W1075—Fahys Comanche White Case $32.90
W1076—Fahys Comanche Green Case 32.90

W1085 Fahys Comanche White Case $32.90
W1086 Fahys Comanche Green Case 32.90

W1077 Fahys Cochise White Case $32.90
W1078 Fahys Cochise Green Case 32.90

W1087 Star Stellar White Case $34.90
W1088—Star Stellar Green Case 34.90

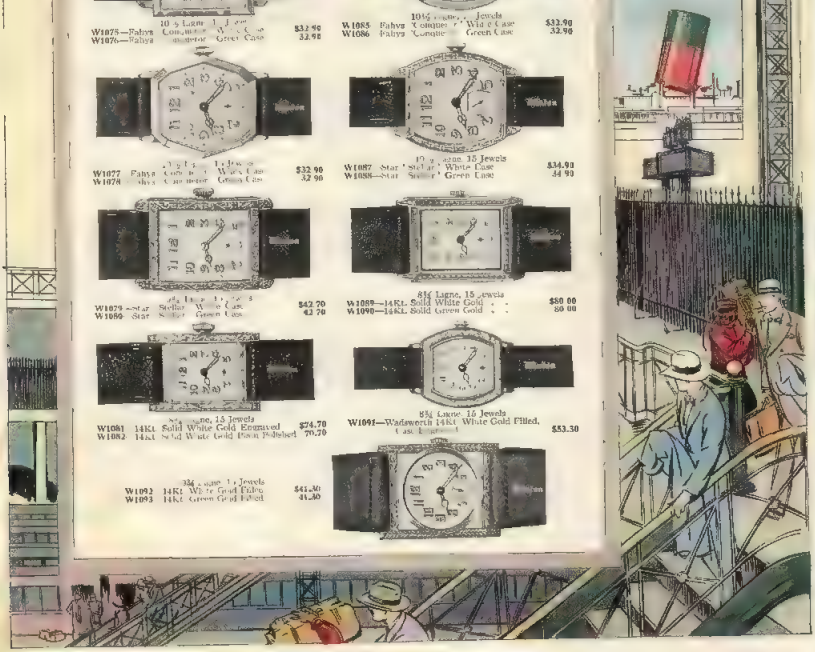
W1079 Star Stellar White Case $42.70
W1080 Star Stellar Green Case 42.70

W1089—14Kt. Solid White Gold . . $50.00
W1090—14Kt. Solid Green Gold . . 50.00

W1081 14Kt Solid White Gold Engraved $74.70
W1082 14Kt Solid White Gold Finish Polished 70.70

W1091—Wadsworth 14Kt White Gold Filled, Case Engraved $53.30

W1092 14Kt White Gold Filled $41.30
W1093 14Kt Green Gold Filled 41.30



Right Time for all Time!

NASSAU WATCH

In the Nassau Watch, men who are keen judges of value find superior service at a moderate price. The Nassau is the generally accepted time piece for out-o'-door men men who enjoy roughing it—men who play hard and work hard—men who demand as their dependable companion a wrist watch designed for strenuous use.

Through the Nassau Watch, "Right Time for All Time" now comes within the reach of all.

10 Size, 11 Jewels
N1094—Solid Nickel Case . . . $18.70

Extra Size, 11 Jewels
N1103—Solid Nickel Case . . . $19.30

0 Size, 7 Jewels
N1095—Solid Nickel Case . . . $18.70

0 Size, 7 Jewels
N1104—Solid Nickel Case . . . $18.70

0 Size, 7 Jewels
N1096—Solid Nickel Case . . . $18.70
N1097—14Kt. Rolled Gold Plate . . 22.70

Extra Size, 11 Jewels
N1105—14Kt. White Rolled Gold Plate $22.70
N1106—14K Green Rolled Gold Plate 22.70

10 Size, 7 Jewels
N1098—14Kt. White Rolled Gold Plate . $22.70
N1099—14Kt. Green Rolled Gold Plate . . 22.70

10 Size, 15 Jewels
N1107—14Kt. White Rolled Gold Plate . . $22.70
N1108—14Kt. Green Rolled Gold Plate . . 22.70

10½ Line, 7 Jewels
N1100—Sun Sconce, Green Case . . . $31.30
N1101—Same with Ribbon and Clasp . . 29.30

10½ Line, 11 Jewels
N1109—Sun Sconce, White Case . . . $32.70
N1110—Same with Ribbon and Clasp . . 30.70

0 Size, 6 Jewels
N1102—Solid Nickel Case $12.00

0 Size, 11 Jewels
N1111—14Kt. White Rolled Gold Plate $22.70
N1112—14Kt. Green Rolled Gold Plate 22.70

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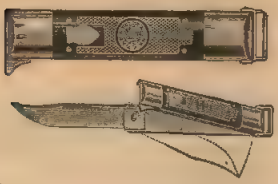
133 Screen Four Color Process Plates

A MAGAZINE COVER

Reproduced from Oil Painting. Line negative of Title from Pen drawing surprinted on Black plate

Engraved by GATCHEL & MANNING, INC., PHILADELPHIA

HUNTING KNIVES



A slight pressure on the shield opens the knife, swings blade out into cutting position, closes case or handle and you have a rigid knife that is ready for business.

No torn thumb nails or sore fingers, no projections to catch or tear clothing.

Adaptable for every outdoor use. For hunting, fishing, camping, etc., it has no superior. Blades can be easily changed. Unconditionally warranted.

No. G961—Neft safety knife, made of the highest grade crucible steel, scientifically tempered and ground to a keen and lasting edge, length of blade 4¼ in., length of knife when closed 5½ in., scored hard rubber handle, large nickel silver bolsters with guard and toggle to attach to rope or key chain, small metal wrench for interchanging blades.....per dozen $66.65

HALF DOZEN IN A BOX

MARBLE TROUT KNIVES

Latest addition to Marble Line. Designed expressly for dressing speckled trout and other fish.

Always open, entirely sanitary, quickly cleaned. While designed expressly for dressing speckled trout, may be used for a variety of purposes for which any small pocket knife could be used. The little finger is inserted about one-half its length in ring while the three remaining fingers and thumb are placed just back of blade against curve of shank.

No. C79—Forged from one piece of finest cutlery steel, handle terminates in a ring 1 in. in diam., full length 5⅝ in., blade 2 in., w't each 1 oz., complete with metal bound leather sheath.....per dozen $13.35

ONE DOZEN IN A BOX

MARBLE HUNTING KNIVES

Made from a special grade steel similar to that of the very best razor steel. Not the regular butcher knife steel. Hand forged, swaged and polished. Ground to a very sharp razor edge. Scored ebony handle. Fastened to blade with three large head brass rivets. The blade extends through the entire length of the handle.

No. C745—5 in. blade, full length 9¼ in., **without sheath,** w't per doz. 3 lbs.....per dozen $15.90
For Leather Sheath for No. C745 hunting knife, see No. C955 sheath illustrated on this page.

HALF DOZEN IN A BOX

No. C7803—Extra finish, finest quality, scored ebony handle, metal bolster, 6 in. polished and swaged blade, **without sheath**.....per dozen $13.35
For Leather Sheath for No. C7803 hunting knife, see No. C955 sheath illustrated on this page.

HALF DOZEN IN A BOX

LEATHER SHEATHES FOR HUNTING KNIVES

Made of heavy Russet Leather, embossed front, strongly sewed, fitted with two copper rivets at the top thus affording the greatest strength where it is most required fitted with loops through which a belt may be slipped.

Nos.	C955	C956
For blades, in.	5 and 6	7 and 8
Full length, in.	9½	11
Per dozen	$3.90	5.00

MARBLE HUNTING KNIVES

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

No. C953—1 blade, polished, 3¾ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅝ in.....per dozen $38.90

HALF DOZEN IN A BOX

HUNTING KNIVES "OUR VERY BEST", FOLDING KNIVES

LOCK BACK

No. C143—OVB 1 blade, full polished, 3¾ in., stag handle, brass lined, length closed 4½ in....per dozen $30.00

LOCK BACK

No. C156—OVB 1 blade, half polished, 4¼ in., stag handle, brass lined, length closed 5½ in....per dozen $55.55

No. C144—OVB 1 blade, glazed, 4¼ in., cocobola handle, length when closed 5½ in.....per dozen $28.00

HALF DOZEN IN A BOX

PRESS BUTTON, FOLDING

No. C943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in., per dozen $26.65

HALF DOZEN IN A BOX

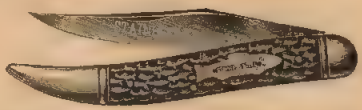
No. C944—1 blade, polished, 3¾ in., stag handle, iron lined, length closed 4¼ in.....per dozen $30.00

HALF DOZEN IN A BOX

Hibbard STAINLESS SPORTSMAN'S KNIFE

With Fish Hook Disgorger for Removing Hook From Fishes Mouth

Will not stain, spot, rust or discolor in any way or under any conditions. The long slender blade is ideally suited for sticking and skinning, cutting bait, cleaning, slitting or scaling fish.



No. C2948P—Hibbard has one long slender but substantial blade, nicely finished, stag handle, brass lined, nickel silver bolster, nickel silver slotted and grooved cap which acts as a fish hook disgorger, nickel silver shield is shaped like a fish, stainless steel lining, nickel silver rivets, length when closed 5 in.....per dozen $23.90

HALF DOZEN IN A BOX

A very attractive easel display card free with an order for these knives. BE SURE TO ENTER ON YOUR ORDERS.

Hibbard COMBINATION CAMPING KNIVES

These knives are ideal for campers, picnicers and sportsmen. A complete set of "Eating Implements" in one knife. Through an ingenious placing of slots in the linings, the user can instantly take the knives apart in sections. Each section joins and opens like an ordinary pocket knife.

Clever—compact—convenient.

Knife and fork is made of the finest quality Wardlows English Crucible Steel, nicely glazed, Stag handle, brass lined, nickel silver bolster, length when closed 4 in.

No. C2733P—Hibbard, 2 pieces, Knife and Fork, per dozen $30.00

No. C2732P—Hibbard, 3 pieces, Knife, Fork and Nickel Silver Spoon .....per dozen $44.45

NO. C2733P, ½ DOZEN IN A BOX; NO. C2732P, ONE IN AN INDIVIDUAL CARTON, ¼ DOZEN IN A BOX

OVB OUR VERY BEST

Our Very Best for Fifty Years

Has Stood the Test

NESTOR JOHNSON SPECIAL HOCKEY OUTFITS

The young men and boys who formerly played hockey usually had scrub teams—each man secured his own outfit and anything went. Today, that is changed. Hockey has become a leading winter sport. Athletic clubs and skating clubs have regularly organized teams—clubs are being formed solely for playing hockey—and many communities are getting up hockey teams to play other neighborhoods for championships.

These teams wear especially designed, distinguishing uniforms, and their equipment follows special regulations. It naturally follows that with this uniform equipment the shoes and skates should also be uniform, that is, a club team and its substitutes should all be outfitted with the same type of shoes and skates.

The Nestor Johnson Special Hockey Skates are superior and Nestor Johnson Shoes are specially designed, with patented features, to meet the severe requirements of the sport.

We have two high class outfits to offer: The Nestor Johnson Star Special Hockey for professionals and big clubs that want the best, and Nestor Johnson Flyer Special Hockey for those who want a high-grade outfit at a popular price.

NESTOR JOHNSON NORTH STAR SPECIAL HOCKEY

SPECIAL FEATURES

1. **The Special Nestor Johnson Hard Toe.** This is strong and tough as steel, affording full protection, but lighter weight and better than the ordinary solid leather toe. It is absolutely guaranteed not to break down from moisture or heat.

2. **The Famous Nestor Johnson Patented Rib.** On runner tube, making it strong and rigid. Hockey players appreciate the fact that this skate cannot spring or bend under the most severe strains incident to the game.

3. Rattan Protective Strips built right into the shoe.

4. The **Johnson Strap Carrier.** Permits real adjustment and straps are easily replaced.

5. Skates firmly and properly riveted to shoes so as not to loosen—carefully set in correct scientific position, giving quick and perfect control while playing hockey.

6. Full grained combination tanned cowhide with ankle pads.

7. One-piece cold drawn steel Heel Cup and Front Cup, riveted to solid plate giving a firm, unvarying support to foot—no seams to spread—no joints to loosen.

No. F600—Aluminum finish, sizes 4, 5, 6, 7, 8, 9, 10, 11, 12★.....per outfit *$12.50*

No. F601—Nickel Plated, sizes 4, 5, 6, 7, 8, 9, 10, 11, 12, per outfit★.....*$15.00*

NESTOR JOHNSON FLYER SPECIAL HOCKEY

Moulded sole leather arch, supporting counter that comes forward under instep. Shoes reinforced for maximum support and tongue heavily padded. Hard toe.

No. F700—Aluminum finish★.....per outfit *$9.00*

JOHNSON BUCK LACE

No. C13—A broad woven yellow lace, especially made for skating outfits. Used by the leading amateur and professional skaters. As it is uniform it will not stretch, harden or pull out eyelets; it is more suitable than the ordinary leather lace. Length 76 in., 12 pair to a box, per box $4.45

WE DO NOT BREAK BOXES

★Items Marked Thus ★ Are Shipped From Factory Only.

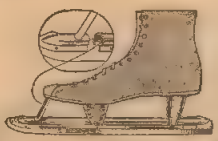
NESTOR JOHNSON NORTH STAR SKATES

Scientific principles of construction make Nestor Johnson skates the peer among tubular skates. Not only does the patent rib, on each side of the runner housing tube, add a feature of strength, but adds to the rigidity of the skate as well. A very superior feature is the one-piece drawn steel heel cup, which is an exclusive feature of all our skates. Nestor Jonhson blades are to well known to need any added praise Shoes for all outfits are made with correctly molded counters and only with inside counter pockets, same as all high grade shoes. All Nestor Johnson skates are made to place the foot in correct scientific position and cups are heel compensating. Rehability and long wear are built into every pair of our skates and shoes.

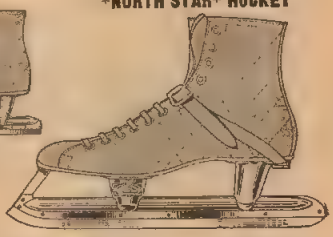
NORTH STAR HOCKEY

NORTH STAR RACER

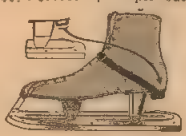
For Shoe Sizes 5, 6, 7, 8, 9, 10, 11 and 12.
No. C300—Men's aluminum finish,
per outfit .....$.....
For Shoe Sizes 6, 7, 8, 9, 10, 11 and 12.
No. C301—Men's full nickel plated,
per outfit .....$.....



Reinforced Corrugated Steel Rib



For Shoe Sizes 4, 5, 6, 7, 8, 9, 10, 11 and 12.
No. C1200—Men's aluminum finish,
per outfit .....$.....
For Shoe Sizes 6, 7, 8, 9, 10, 11 and 12.
No. C201—Men's, full nickel plated,
per outfit .....$.....

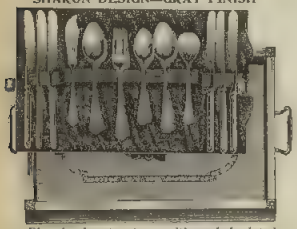


Ritter Strap Carrier permits the use of a strap of good weight and the use of the long instep reinforcing counter used on racing shoes, for hockey outfits, a great advantage to the skater in permitting an adjustment heretofore impossible.

For Shoe Sizes 5, 6, 7, 8 and 9.
No. C302—Women's aluminum finish,
per outfit .....$.....
No. C303—Women's full nickel plated,
per outfit .....$.....

For Shoe Sizes 4, 5, 6, 7, 8 and 9.
No. C202—Women's, aluminum finish,
per outfit .....$.....
No. C203—Women's, full nickel plated,
per outfit .....$.....

NICKEL SILVER WARE
SHARON DESIGN—GRAY FINISH



Blue leatherette tray with nickel plated handles, blue satin lining. Blue paper cover to fit tray

26 Pieces—Contents

6 Embossed Medium Knives
6 Flat Medium Forks
1 Butter Knife
6 Tea Spoons
6 Dessert Spoons
1 Sugar Spoon

No. 500 Sharon set.....Each, $10.00
One Set in a Box

SALT AND PEPPER SHAKER SETS
NETHERLANDS DESIGN

The highest class Dutch silver produced in this country. Made of solid copper, heavily silver plated. The figures in the design are in heavy bas-relief and highly finished.

No. 1209 Size of base, 1¼x1¼ inches; height overall, 3 inches.....Per Dozen Pair, $24.00
One-Twelfth Dozen Pair in a Box

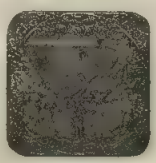
No. 1069 Diameter of base, 1¼ inches; height overall, 3¾ inches.....Per Dozen Pair, $27.60
One-Twelfth Dozen Pair in a Box

TEA TILE OR TABLE MATS
NETHERLANDS DESIGN

Made of heavy composition metal, oxidized finish; gray felt back.

Round

No. 1 Diameter, 6 inches..Per Dozen, $2.50
Four Dozen in a Box



Square

No. 2 Width, 6 inches; length, 6 inches .....Per Dozen, $2.50
Four Dozen in a Box

Oval

No. 4 Width, 6½ inches; length, 9¾ inches .....Per Dozen, $5.00
One Dozen in a Box

HAMMERED DESIGN

Made of heavy composition metal, bright finish. Gray felt back.

Round

No. 5007 Diameter, 6 inches. .....Per Dozen, $3.20
Four Dozen in a Box

Square

No. 5008 Width, 6 inches; length, 6 inches .....Per Dozen, $3.20
Four Dozen in a Box

TEA TILE OR TABLE MATS
GALLEON DESIGN

Made of heavy composition metal, silver plated, bright finish. Brown felt back.

Round

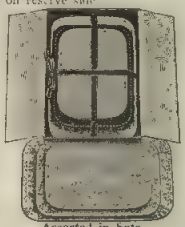
No. 632 Diameter 6 inches .....Per Dozen, $8.00

Square

No. 631 Width, 6 inches; length, 6 inches .....Per Dozen, $8.00
Three Dozen in a Box

PEERLESS

For use under platters, percolators, chafing dishes, toasters, pyrexware, etc. Contain asbestos. Finished in white leatherette with floral design on upper side and green leather on reverse side



Assorted in Sets

Assortment contains three mats as follows:

One mat, size 6 x 8½ inches
One mat, size 7 x10 inches
One mat, size 7½x12 inches

No. 103 Assortment.....Each, $1.00
One Set in a Fancy Box

Assorted in Sets

Assortment contains five mats as follows:

One mat, size 6 x 8½ inches
Two mats, size 7 x10 inches
One mat, size 7½x12 inches
One mat, size 10 x14 inches

No. 105 Assortment.....Each, $2.00
One Set in a Fancy Box

"They Keep a-Running"

2 Horse Power Century Type RS Repulsion Start Induction Single Phase Motor

Safe Operating Temperature

The safe operating temperature of Century Type RS Repulsion Start Induction Single Phase Motors is one point of *the difference* that contributes to their long life and makes them "Keep a-Running" indefinitely.

1 Temperature rise is not more than 40° Centigrade in the hottest spot under constant full-load operation.

2 This low temperature preserves the insulation, upon which the sustained operating life of the motor depends.

3 Well ventilated end brackets and symmetrical open spaces between field coil ends permit free circulation of air through and around all vital parts.

"Keep a-Running" ability plus high starting torque and low starting current makes Century Type RS Repulsion Start Induction Single Phase Motors particularly suitable for operating such apparatus as compressors, pumps, grinders, etc. Built in all standard sizes from ⅛ to 40 horsepower.

There is a difference—use and specify Century Type RS Repulsion Start Induction Single Phase Motors

CENTURY ELECTRIC CO.
1806 Pine St. St. Louis, Mo.

33 Stock Points in the United States and More Than 50 Outside Thereof

⅛ to 40 H. P. Century MOTORS ⅛ to 40 H. P.

A Stunning Cap *at a Selling Price*

Put a Neva-Lost with its display stand on your counter. Its graceful beauty is quick to catch the customer's eye. And, four times out of five, a mere mention of the price completes the sale.

For Neva-Lost is a stunning cap at a *selling* price.

Ruggedly built for lasting service from its husky hinge to the bayonet lock which operates by a quarter turn of the wings. And once on, it's on to stay — the *thief-proof* feature protects both cap and Moto-Meter.

For swift turnover just show Neva-Lost and say, *"Two-fifty."*

NEVA-LOST

BAYONET-LOCK WING-CAP

$2.50 List

If Your Jobber Can't Supply You Write Direct to Us

WELKER-HOOPS MFG. CO.
Middletown Connecticut

WASHING MACHINES

NEW CORNELL—Water Motor

Distinctive Features. — Balanced valve motor with only one spring, only one packing nut to adjust. Screened inlet to keep rubber washers and dirt out of cylinder. Roller bearing guide for gear rack. Double bearing for dasher post. Improved cypress tub with large two-ply cover, handsomely finished. Improved dolly and dolly post. No metal post extending through the dolly to injure the clothes and no metal cap on the under side of the dolly to interfere with its efficiency. Extra high grade rubber wire bound hose. **Balanced Valve**—This style of valve makes the only durable and absolutely reliable construction for a washing machine motor. The action of the water pressure on a balanced valve is such that the valve is continually revolved in operation, insuring uniform wear, which means that the valve always has a perfectly tight fitting joint and there can be no loss of power due to water passing the valves after a motor has been in use for a while. Any deposit of impurities on the metal from the water will not affect the free movement of the balanced valve no matter how heavily coated the metal may become. **Spring**—The New Cornell motor has only one spring, which is unusually large in size, is made of heavy bronze wire, and is practically indestructible. **Stuffing Box or Packing Nut**—Has only one stuffing box or packing nut which reduces friction and loss of power. **Inlet Port**—Is provided with a screen which prevents rubber hose washers or other substance from getting into the motor and causing trouble. **Gear Rack**—Has a roller guide and the dolly shaft is provided with a double bearing, thus reducing friction and wear to a minimum. **Dolly**—Is made of selected cypress, the under side is corrugated in addition to having the four pegs. The adjustable telescoping dolly post does not extend through the dolly, this allows the dolly pegs to take hold of the entire load in the tub, with the result that the clothes in the bottom of the tub are also agitated. **Tub**—Has stave legs. Is made of the finest quality cypress and is of improved construction, having a large overlapping steam-tight cover reinforced with a double thickness. The inside is corrugated and the outside finish is orange. The hoops are painted black and castings are finished in gold bronze and all hardware is galvanized. **Motor**—Has a cast brass cylinder with phosphor bronze parts, is entirely rust-proof and operates on any pressure over 25 pounds. **Hose**—Is of extra good quality rubber, wire wound, 3½ feet long, with screw-on connections, and the exhaust is provided with an improved anti-splasher. **Capacity** of tub, 8 shirts.

No. 1 Width overall, 26 inches; height overall, 31 inches. Shipping weight, 75 lbs. ..... Each, **$35.00**

NEW CORNELL—AERO MODEL

Same as No. 1 except that it is equipped with the improved aero agitator that gets electric washer results. The cast aluminum dasher with its numerous perforations whirls back and forth and creates a sucking rubbing action that forces the hot suds through the very meshes of the fabric and dislodges every particle of dirt and grime.

No. 60 Width overall, 26 inches; height overall, 31 inches. Shipping weight, 75 lbs. .... Each, **$36.00**
One in a Crate

FOREST CITY HIGH SPEED—Rotary

The flywheel does not revolve on the shaft, but is mounted on a long steel shaft which runs in double bearings—thus friction and wear at flywheel bearings are impossible, and noiseless and light running are always insured. The flywheel and mechanism is attached to tub. No heavy machinery attached to lid, and machine can be easily opened and closed without lifting a heavy weight. The gears are guarded and accident-proof. Dasher shaft has double bearing and dasher is telescopic—no projection through bottom of dasher to tangle or tear the clothes. The dasher and tub are Louisiana Red Cypress, attractively finished in colors. The improved construction of this tub rigidly enforces the top. The large lid is fastened with malleable detachable hinges, and when closed is securely locked by automatic latches. Tub is corrugated on inside, and the under side of the dasher is also deeply corrugated in addition to having the four pegs thus adding to the washing efficiency of the machine. All castings and hardware are galvanized where necessary, and outside castings are enameled in attractive colors. Capacity of tub, 8 shirts.

For Hand Power

The operating handle is adjustable to various positions—horizontal diagonal or vertical, so that machine may be operated while one is seated or standing. The change from one position to another can be made in a moment by simply loosening a thumb-screw. When the lever is operated the flywheel runs at a speed of 800 R. P. M.

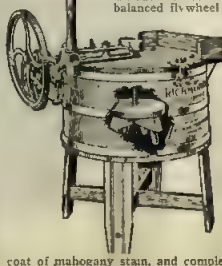
No. 55 Width overall, 28 inches; height to top of wringer board, 31 inches. Diameter of flywheel, 17 inches. Shipping weight, 90 lbs. ..... Each, **$30.00**

For Engine Power

The flywheel is grooved for round belt, and gearing is so designed that no idle pulley is necessary. Machine can be directly belted to line shaft of engine, and can be opened or closed while running. No shifting of belt or frequent stopping or starting of engine or machine necessary. Diameter of flywheel, 17 inches. Flywheel or pulley should run at a speed of 800 R. P. M. An 8x1¾ inch pulley for flat or round belt can be furnished extra when desired.

No. 56 Width overall, 28 inches; height to top of wringer board, 31 inches. Shipping weight, 90 lbs. ..... Each, **$30.00**
Extra for Pulley ..... Each, **2.00**

RICHMOND HIGH SPEED—Lever Action



The segment lever, directly driving the dolly pinion, has a pistol type head, ending in a ball which travels in the machined raceway, so arranged as to produce the reverse action of the dolly. All gears are cut and run in accident-proof covers. The well balanced flywheel is hung parallel with the hinge line, so that the lid can be raised easily, while the mechanism does not get out of gear, runs on ten roller bearings and is geared direct with the cut tooth gears so as to produce a washing machine mechanism with no dead center. Lever socket has two different positions. Flywheel has flat rim for use with belt if desired. Tubs made of everlasting Virginia white cedar, corrugated on the inside only and equipped with tight fitting lids, double crossed for strength and to prevent warping. Bolted and braced hardwood legs. Finished with a coat of mahogany stain, and completed with a coat of high quality coach varnish. Capacity of tub, 8 shirts.

No. 8 Width overall, 30 inches; height to top of wringer board, 32½ in.; diameter of flywheel 15½ in. Shipping weight, 115 lbs., Each, **$28.00**
One in a Crate

ALARM CLOCKS

HARVARD—8-DAY

Plain Dial

Seamed brass case nickel plated and highly polished, thin model, large gong bell, attached key and hand sets, plain dial, plain glass front, intermittent alarm with positive shut-off attachment, 8-day time alarm.

No. 495 Height, 6¼ inches, diameter of dial 4½ inches . . . . . Each, **$4.00**

One in a Box, 24 in a Case

NEW HAVEN

Gothic

Russet bronze case, attached key and hand sets, full size gold dial, bowed glass front, intermittent alarm with positive shut-off attachment, 40-hour time alarm

Gothic Height, 3⅜ inches; width, 2½ inches . . . . . Each, **$3.75**

One in a Box, 50 in a Case

Square

French bronze case, attached key and hand sets, full size silver dial, bowed glass front, intermittent alarm with positive shut-off attachment, 40-hour time alarm

Square Height, 2½ inches; width, 2½ inches. . . . . Each, **$3.50**

One in a Box, 50 in a Case

NEW HAVEN

Plain Dial

Octagon case nickel plated attached key and hand sets, full size plain dial convex glass front, long alarm with positive shut-off attachment, 40-hour time alarm, removable spring

Luminous Dial

Tick Tock Plain Height, 4⅝ inches; width, 3⅜ inches, diameter of dial, 3⅛ inches . . . . . Each **$2.50**

Tick Tock Luminous Height 4⅝ inches, width, 3⅜ inches, diameter of dial, 3⅛ inches . . . . . Each, **$3.50**

One in Box, 50 in a Case

Plain Dial

Octagon case, nickel plated, attached key and hand sets, full size cubist dial, convex glass front, intermittent alarm with positive shut-off attachment, 40-hour time alarm, removable springs

Luminous Dial

Tom Tom Plain Height, 5½ inches; width, 4⅝ inches; diameter of dial, 4¼ inches . . . . . Each **$3.25**

Tom Tom Luminous Height, 5½ inches width, 4⅝ inches, diameter of dial, 4¼ inches . . . . . Each, **$4.25**

One in a Box, 24 in a Case

Plain Dial

Octagon case, nickel plated attached key and hand sets full size cubist dial, convex glass front, intermittent alarm with positive shut off attachment, 40 hour time alarm, removable springs

Luminous Dial

Tidy Tot Plain Height, 3⅜ inches width, 2⅜ inches diameter of dial, 2¼ inches. . . . . Each **$3.25**

Tidy Tot Luminous Height, 3⅜ inches, width, 2⅜ inches, diameter of dial, 2¼ inches . . . . . Each, **$4.25**

One in a Box, 50 in a Case

Plain Dial

Octagon case nickel plated, attached key and hand sets, full size cubist dial convex glass front, intermittent alarm, 8-day time with signal automatic alarm

Luminous Dial

Titan Plain Height, 5½ inches; width, 4⅝ inches; diameter of dial, 4½ inches. Each, **$6.00**

Titan Luminous Height, 5½ inches; width, 4⅝ inches; diameter of dial, 4½ inches . . . . . Each **$7.00**

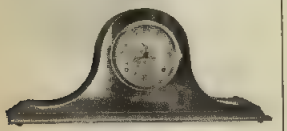
One in a Box, 24 in a Case

MANTEL CLOCKS

MOBILE

Cases are of laminated bent wood, tambour shape, hand rubbed mahogany finish. 8 day pendulum movement, silvered dial, convex beveled glass, gold sash. Strikes at the half hour and hour, art skeleton hands

MAGIC



With Plain Dial, Gongstrike

Magic—Height, 9¾ inches; width, 22 inches; diameter, of dial, 5 inches...Each, **$10.00**

With Raised Gold Numerals, Two Rod (Duplex Chime) Strike

Magic R. G. N.—Height, 9¾ inches; width 22 inches, diameter of dial, 5 inches. .. .. Each **$12.00**

One in a Box

METEOR

With Plain Dial, Gongstrike

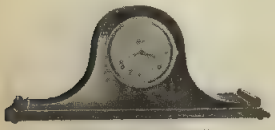
Meteor—Height, 9¾ inches; width, 22 inches; diameter of dial, 5 inches .. ..Each, **$10.00**

With Raised Gold Numerals, Two Rod (Duplex Chime) Strike

Meteor R. G. N.—Height, 9¾ inches width, 22 inches; diameter of dial, 5 inches.. . ...Each, **$12.00**

One in a Box

MAGNET



With Plain Dial, Gongstrike

Magnet Height 9¾ inches; width, 22 inches, diameter of dial, 5 inches . . . . Each, **$10.00**

With Raised Gold Numerals, Two Rod (Duplex Chime) Strike

Magnet—Height, 9¾ inches; width, 22 inches; diameter of dial, 5 inches. . ... Each, **$12.00**

NEW HAVEN FULL WESTMINSTER CHIMES

Cases are of dark solid mahogany hand rubbed to a durable satin finish. New Haven chimes are fixed synchronized with the eight day pendulum movement. Chimes on four perfect toned rods—at the first quarter, half hour third quarter and hour. The hour is struck on a separate rod of deep, mellow tone Eight-day, self-adjusting chime and strike, with easily removable main springs. Chime may be silenced by shut off switch Silver etched dial Convex beveled glass Art skeleton hands. Gold sash, raised gold numerals

INGLEWOOD

Ideal for the low room is this perfect suggestion of height

Inglewood—Height, 14½ inches; width, 9½ inches diameter of dial 7 inches .... Each, **$47.00**

One in a Box

ABBEY

Antique Finish

Reminescent of Wesminster Abbey is this rich Gothic model with its exquisite hand carving

Abbey—Height, 14½ inches; width, 9½ inches; diameter of dial, 7 inches.. ... . Each, **$74.00**

One in a Box

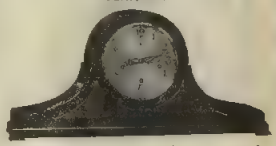
HARKNESS

A plain beautiful tambour for perfect mantel adornment.

Harkness—Height, 9¾ inches; width, 20½ inches; diameter of dial, 7 inches.... . . . . Each, **$47.00**

One in a Box

MELROSE

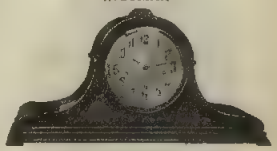


A two tone tambour with an artistic carved panel.

Melrose—Height, 9¾ inches, width, 20½ inches; diameter of dial, 7 inches .. . . . Each, **$53.50**

One in a Box

INGOMAR



Antique Finish

Dark lustrous beauty is here alluringly combined with lines of unusual grace. An exquisitely hand-carved model.

Ingomar—Height, 10 inches, width, 20½ inches; diameter of dial, 7 inches . . . . . Each **$74.00**

One in a Box

WALL CLOCKS

KITCHENETTE

White enameled wood case. Eight-day pendulum movement, brass sash convex glass. Suitable for kitchen, breakfastroom, bathroom, bedroom, etc

No. 6 Height, 12¾ inches; diameter of dial, 5½ inches.....Each, **$8.00**

EASEL BOUDOIR CLOCKS
with
Solarchrome DIALS

PERSIAN
Height, 7⅛ inches. Width, 7 inches
3½ inch Solarchrome Dial.
12 Day Jeweled Movement, French Hands.
Antique Mahogany Case, Gold Edge $21.25

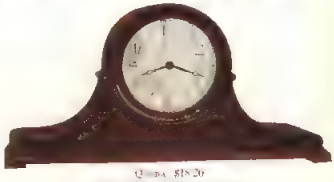
PEERLESS
Height, 7⅛ inches. Width, 7 inches.
3½ inch Solarchrome Dial
12 Day Jeweled Movement, French Hands.
Antique Mahogany Case, Gold Edge. $21.25

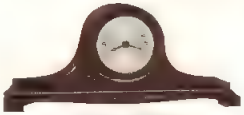
PARQUET
Height, 7⅛ inches. Width, 7 inches.
3½ inch Solarchrome Dial.
12 Day Jeweled Movement, French Hands.
Antique Mahogany Case, Gold Edge. $21.25

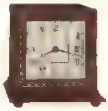
PICTORIAL
Height, 7⅛ inches. Width, 7 inches.
3½ inch Solarchrome Dial.
12 Day Jeweled Movement, French Hands.
Antique Mahogany Case, Gold Edge. $21.25

NEW HAVEN CLOCKS

TWELVE-DAY CLOCKS, SOLID MAHOGANY







ONE-DAY TIME
Mahogany Finish

AND ALARM CLOCKS
2½ Inch Dial

Height 4 inches. Width, 8 inches.
One-day Time $5.30
One-day Alarm $6.65

"IDEAL" RADIUS
Height 4¾ in. Width, 3¼ in.
One-day Time $5.30
One-day Alarm $6.65

Height 4 inches. Width 8 inches
One-day Time . . . . . $
One-day Alarm $6.65

1" Line *TRUE TIME TELLERS* Alarms Fitted with Radium Dial, extra, $1.35

ALARM CLOCKS

—BLUE GRASS—
Intermittent.

Fifty-five hour time with alarm release and push and pull shut off. Alarm rings for 15 seconds and is silent a similar period, alternating thus for 12 minutes. Each

No. BG50—Nickel plated brass case, large brass ring, brass ball foot in front; Iveroid dial; height 7¼ ins; diam dial 4⅜ ins; wt per case 65 lbs $7 80

One in cardboard box; 24 in case.

—BLUE GRASS—
EIGHT DAY
Thin Model, Long Alarm.

Eight day lever movement with long alarm and shut off switch.

The movement is substantially constructed of brass and steel and nicely finished. The springs are enclosed in drums. When constructed in this manner there is no difference in the tension of the spring on the strain when being wound.

Large gong bell on back. Each

No. BG8—Thin model, burnished nickel finish; height 7½ ins; 4½ in. Iveroid dial; wt per case 80 lbs $8 25

One in cardboard box; 24 in case.

ANSONIA
Square Pirate, Continuous Alarm.

Custom built, seamless metal case, crackeled blue.

Continuous alarm with convenient switch for turning off. 30 hour movement; width 3½ inches; height 4¼ inches. Each

No. 32—Plain dial $4 50
No. 35—Radium luminous dial .. 6 75

One in display box; 48 in wood case; wt per case 28 lbs.

NEW HAVEN
TOM-TOM
Intermittent.

Brass octagon case, heavily nickel plated and polished.

Each

No. 350—Forty hour; height 6¼ ins; width 4⅛ ins; diam dial 4¼ ins. $7 05

One in cardboard box; wt each 2 lbs.

TOM-TOM
Intermittent, Luminous Dial.

Brass octagon case, heavily nickel plated and polished.

Numerals and hands coated with radium compound.

Each

No. 450—Forty hour; height 5½ ins; width 4⅜ ins; diam dial 4¼ ins $9 00

One in cardboard box; wt each 2 lbs.

ALARM CLOCKS

TIDY-TOT
Intermittent.

Brass octagon case, heavily nickel plated and polished.

Each

No. 355—Forty hour; height 3½ ins; width 2¾ ins; diam dial 2½ ins. $7 05

One in cardboard box; wt each 1½ lb.

TIDY-TOT
Intermittent, Luminous Dial.

Brass octagon case, heavily nickel plated and polished. Numerals and hands coated with radium compound.

Each

No. 455—Forty hour; height 3½ ins; width 2¾ ins; diam dial 2¼ ins $9 00

One in cardboard box; wt each 1½ lb.

GOTHIC, TAT TOO, Jr.

Brass case, russet bronze finish; full size gold dial; bowed glass and French open hands.

Each

No. 155—Forty hour, height 3⅛ ins: width at base 2½ ins $6 45

One in cardboard box; wt each 1½ lb.

SPECIAL INTRODUCTORY ASSORTMENTS

Brass, octagon shape cases, heavily nickel plated and polished with 40 hour movements, back bell and convex glass. Consists of 24 alarm clocks as follows: 10 Tom-Tom's 8 with white dial and 2 with radium dials, height 5½ inches; width 4⅜ inches, with 4¼ inch cubist dial, intermittent alarm with shut off switch; 6 Tidy Tot's 4 with white dials and 2 with radium dials, height 3½ inches, width 2¾ inches with 2¼ inch cubist dial, height 3½ inches, width 2¾ inches with 2¼ inch cubist dial, intermittent alarm with shut-off switch; 8 Tick-Tock's 6 with white dials and 2 with radium dials, height 4¾ inches, width 3½ inches, 3¾ inch full size dial, long alarm with shut off switch.

An 8 day pendulum movement balcony clock size 14½x14½ inches with 12 inch dial is given free with each assortment.

Per Ass't

No. 24A—Wt per ass't about 35 lbs $173 85

One ass't in wood box.

Octagon *True Time Tellers*

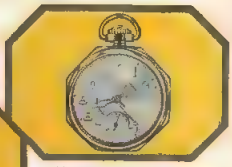
ALL PATENTED DESIGNS

TIP-TOP SERVICE WATCH

Octagon Shaped Nickel Plated Case. 6 Size Thin Model, Silver Dial, Accurate Second Hand, Pull Out Set, Stem Wind

Silver Dial, Each [illegible] $4.48 Radium Dial, Each [illegible] $5.16

Tip-Top Service Plain

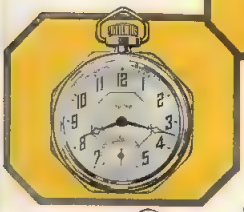


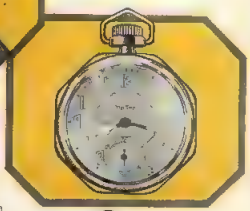
Tip-Top Service Radium

TIP-TOP OCTAGON WRIST WATCH

New Octagon Shape Thin Model Case. Dial Turned at Angle, to read at glance. Pull Out Set, Stem Wind. Accurate Second Hand, High Grade Removable Leather Strap.

Silver Dial, Each [illegible] $4.82 Radium Dial, Each [illegible] $5.52





TIP TOP, OCTAGON WATCH

Octagon Shaped, Nickel Plated Case, Neat and Compact—14 Size Thin Model—Pull Out Set, Stem Wind, Silver Dial

Silver Dial, Each [illegible] $2.10 Radium Dial, Each [illegible] $3.12

TOM TOM

Height, 5½ inches. Width, 4⅞ inches. 3½-inch enamel dial. Convex glass, nickel-plated octagon case. 40-hour movement, back and intermittent alarm, self-starting, removable springs.

	Silver Dial
Broken Lots, Each	$4.66
Dozen Lots, Each	4.56
Case Lots of 24, Each	4.46
	Radium Dial
Broken Lots, Each	$6.34
Dozen Lots, Each	5.84
Case Lots of 24, Each	5.84

TICK TOCK

Height, 4¾ inches. Width, 3⅞ inches. 3⅜-inch dial. Convex glass, nickel-plated octagon case, 40-hour movement, back bell, ring alarm with shut-off switch.

	Silver Dial	Radium Dial
Broken Lots, Each	$3.58	$4.96
Dozen Lots, Each	3.48	4.86
Case Lots of 50, Each	3.38	4.76

FIDY-TOT

Height, 3⅝ inches. Width, 2⅝ inches. 2¼-inch enamel dial. Convex glass, nickel-plated octagon case, 40-hour movement, back bell, intermittent alarm, self-starting

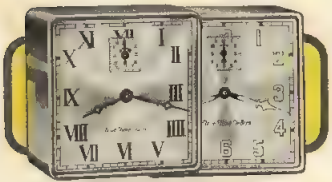
	Silver Dial	Radium Dial
Broken Lots, Each	$4.66	$6.34
Dozen Lots, Each	4.56	5.94
Case Lots of 24, Each	4.46	5.84

NEW HAVEN CLOCKS

True Time Tellers - All Patented Designs

TOMMY TICKER Silver Dial, Each ..... $2 10 — Fancy Engraved Back. Cushion Shape, Nickel Plated Case, 14 Size, Fancy Back and Bezel. Thin Model—Neat and Compact, Pull-out Stem Set, Stem Wind, New Designed Crown, Semi-Octagon Bow, Attractive Silver Dial

TOMMY-TICKER, Radium, Each $3 12



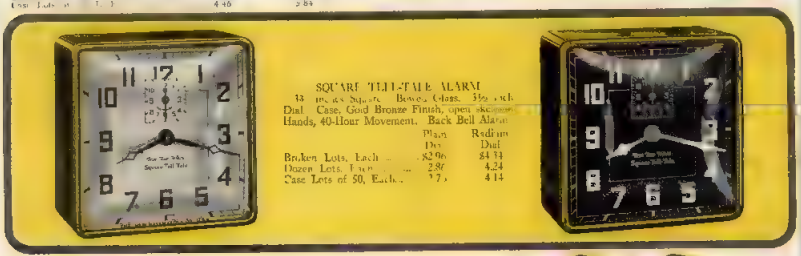
SQUARE TAT-TOO JR. ALARM

2¾ inches Square, full size Silver Dial, 40 hour Movement, Back Bell Alarm, Bowed Glass, French Bronze Case

	Plain Dial	Radium Dial
Broken Lots, Each	$4 66	$6 04
Dozen Lots, Each	4 51	5 91
Case Lots of 50, Each	4 46	5 84

TOMMY TICKER WRIST Silver Dial, Each ..... 5.10 — Radium Dial Each 5 84

Cushion Shape, Nickel Plated Case, 6 Size. Thin Model—Neat and Compact. Pull Out Set, Stem Wind, Attractive Silver Dials—Second Hand—High Grade Removable Straps.



SQUARE TELL-TALE ALARM

3¾ inches Square. Bowed Glass. 3½ inch Dial. Case, Gold Bronze Finish, open face. Hands, 40-Hour Movement. Back Bell Alarm.

	Plain Dial	Radium Dial
Broken Lots, Each	$2 96	$4 34
Dozen Lots, Each	2 85	4 24
Case Lots of 50, Each	2 79	4 14

OVAL ALARM

Height, 2½ inches. Width, 1⅞ inches. Full Size Gold Dial, Skeleton Hands, Russet Bronze Case, Bowed Glass

	Plain Dial
Broken Lots, Each	$5 10
Dozen Lots, Each	5 20
Case Lots of 50, Each	5 10

GOTHIC TAT-TOO JR. ALARM

Height, 3½ inches. Width, 2¾ inches. Fitted with a full size Gold Dial, 40 hour Movement. Back Bell Alarm. Russet Bronze Case. Bowed Glass

	Plain Dial	Radium Dial
Broken Lots, Each	$5 30	$6 67
Dozen Lots, Each	5 20	6 57
Case Lots of 50, Each	5 19	6 47

HAND HACK SAW BLADES

MILLERS FALLS

Made of a special analysis of tungsten steel. The teeth are rolled, which insures a sharp, solid cutting edge. The style of set is patented. Each blade is hardened individually.

ALL HARD (TUNGSTEN)

Are recommended for general all-around work.

No.	Length Inches	Width Inches	Gauge In.	Gauge No.	Teeth Per Inch	Weight Per Gross Pounds	Per Gross
1	8	7/8	.036-23	16	3¾		$8.00
2	8	7/8	.025-23	14	3½		9.00
3	10	1/2	.025-23	14	4¾		10.00
4	11	1/2	.025-23	14	5¼		11.00
5	12	7/8	.025-23	14	7		12.00
6	12	5/8	.023-22	14	8¼		16.80
7	14	5/8	.028-22	13	9		19.44
11	8	7/8	.025-23	18	3¾		8.00
12	8	7/8	.025-23	18	3½		9.00
13	10	1/2	.025-23	18	4¾		10.00
14	11	1/2	.025-23	18	5¼		11.00
15	12	7/8	.025-23	18	7		12.00
16	12	5/8	.028-22	13	8¼		16.80
17	14	5/8	.028-22	13	9		19.44
21	8	7/8	.025-23	24	3¾		8.00
22	9	7/8	.025-23	24	3½		9.00
23	10	1/2	.025-23	24	4¾		10.00
24	11	1/2	.025-23	24	5¼		11.00
25	12	7/8	.025-23	24	7		12.00
31	8	7/8	.025-23	32	3¾		8.00
32	9	7/8	.025-23	32	3½		9.00
33	10	1/2	.025-23	32	4¾		10.00
34	11	1/2	.025-23	32	5¼		11.00
35	12	7/8	.025-23	32	7		12.00

One-Twelfth Gross in a Bundle, One-Half Gross in a Box

FLEXIBLE (TUNGSTEN)

Flexible blades differ from all hard in that the teeth only are hardened. Recommended for use particularly on thin sections of soft materials, both sheet and tubing.

No.	Length Inches	Width Inches	Gauge In.	Gauge No.	Teeth Per Inch	Weight Per Gross Pounds	Per Gross
41	8	7/8	.036-23	16	3¾		$8.00
42	9	7/8	.025-23	14	3½		9.00
43	10	1/2	.025-23	14	4¾		10.00
44	11	1/2	.025-23	14	5¼		11.00
45	12	7/8	.025-23	14	7		12.00
51	8	7/8	.025-23	18	3¾		8.00
52	9	7/8	.025-23	18	3½		9.00
53	10	1/2	.025-23	18	4¾		10.00
54	11	1/2	.025-23	18	5¼		11.00
55	12	7/8	.025-23	18	7		12.00
61	8	7/8	.025-23	24	3¾		8.00
62	9	7/8	.025-23	24	3½		9.00
63	10	1/2	.025-23	24	4¾		10.00
64	11	1/2	.025-23	24	5¼		11.00
65	12	7/8	.025-23	24	7		12.00
71	8	7/8	.025-23	32	3¾		8.00
72	9	7/8	.025-23	32	3½		9.00
73	10	1/2	.025-23	32	4¾		10.00
74	11	1/2	.025-23	32	5¼		11.00
75	12	7/8	.025-23	32	7		12.00

One-Twelfth Gross in a Bundle, One-Half Gross in a Box

POWER HACK SAW BLADES

MILLERS FALLS

ALL HARD (TUNGSTEN)

14 and 17 inch blades are ½ inch less to centers than length given. All others are true to length stated.

No.	Length Inches	Width Inches	Gauge In.	Gauge No.	Teeth Per Inch	Weight Per Gross Pounds	Per Gross
100	10	3/8	.049-18	20	15½		$24.72
120	12	3/8	.032-21	14	10½		17.88
120	12	3/4	.032-21	14	13½		21.36
121	12	3/4	.049-18	10	17¾		28.92
122	12	3/4	.049-18	14	17¾		28.92
123	12	1	.049-18	10	24½		37.92
124	12	1	.049-18	14	24½		37.92
140	14	3/4	.032-21	14	13½		24.36
141	14	3/4	.049-18	10	20		33.12
142	14	3/4	.049-18	14	20		33.12
143	14	1	.049-18	10	28		43.56
144	14	1	.049-18	14	28		43.56
145	14	1	.065-16	10	32½		50.88
160	16	1	.049-18	10	32		49.08
161	16	1	.049-18	14	32		49.08
162	16	1	.065-16	10	42½		56.88
170	17	3/4	.032 21	14	17		29.04
171	17	1	.049-18	10	34		51.72
172	17	1	.049-18	14	34		51.72
173	17	1	.065-16	10	44		59.52
180	18	1	.049-18	10	37		54.36
181	18	1	.065-16	10	48		62.04
182	18	1½	.065-16	8	96		90.24
210	21	1	.049-18	10	44		62.04
211	21	1	.065-16	10	56		70.44
240	24	1	.049-18	10	47		70.32
241	24	1	.065-16	10	63		79.32
242	24	1½	.065-16	6	128		119.04
243	24	1½	.065-16	8	128		119.04

No. 100, 121, 122 and 170, One-Third Gross; No. 120 and 140, One-Half Gross; No. 174, 182, 242 and 243, One-Twelfth Gross; All Other Numbers, One-Quarter Gross in a Box

FRET SAWS

NEW ROGERS

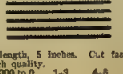
Cast iron frame; steel arbor; selected sash wood arm and pitman; emery balance wheel; japanned tilting table. Adjustable lever saw clamps minimize blade breakage. Jointed stretcher rod, with carefully adjusted bearings, permits free action of the arms. Equipped with drilling attachment and automatic dust blower. All screws and bolts are carefully fitted. Has two balance wheels, one each of iron and emery. Complete with 12 saw blades, 1 wrench, 3 sheets of designs, impression paper and 3 drill points.

No 387 Depth of arms, 18 inches, height overall, 37 inches; capacity, up to ⅞ inch wood, weight, boxed, 60 lbs. . . . . Each, $17.75

One in a Box

FRET SAW BLADES

ECONOMY



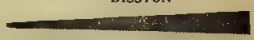
Blued steel, length, 5 inches. Cut fast, smooth, and are uniform high quality.

No.	000 to 0	1-3	4-6	7-9	10 12
Per Gross	$1.60	1.70	1.80	1.90	2.00

One Gross in a Box

COMPASS SAW BLADES

DISSTON



Best quality crucible steel, polished, not punched.

Length, Inches	10	12	14	16
No. 2 Per Dozen	$4.50	5.00	5.50	6.00

One Dozen in a Box

ATKINS INTERCHANGEABLE

Best quality crucible steel, polished and slotted.

Length, Inches	10	12	14	16
No. 10 Per Dozen	$4.50	5.00	5.50	6.00

One Dozen in a Box

KEYHOLE SAW BLADES

DISSTON

Best quality crucible steel, polished.

For No. 5 Disston Keyhole Saws

No. 6 Length, 7 inches.....Per Dozen, $2.80

For No. 95 Disston Keyhole Saws

No. 95 Length, 10 inches.....Per Dozen, $5.00

One Dozen in a Box

PLUMBERS' SAW BLADES

ATKINS

For No. 9 Atkins Plumbers' Compass Saws

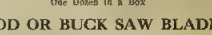
Extra heavy silver steel. Blade has hole punched in front of slot, not shown in illustration, to eliminate detachable feature, if desired.

Length Inches	10	12	14
No. 9 Per Dozen	$4.75	5.25	5.75

One Dozen in a Box

NAIL CUTTING SAW BLADES

ATKINS



Polished silver steel, is tempered very hard for cutting nails, piping, or any metal obstruction. It is taper ground from the toothed edge to the back.

No. 3 Length, 18 inches.....Per Dozen, $23.00

One Dozen in a Box

WOOD OR BUCK SAW BLADES

Plain Tooth

Cast steel, bright finish, straight tooth edge.

No. 2 Width, 2 inches; length, 30 inches . . . . . Per Dozen, $9.00

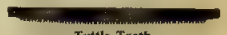
One Dozen in a Package

PLAIN TOOTH

Special steel, blued finish, thin back, breasted tooth edge.

No. 18 Width, 1¾ inches; length, 30 inches . . . . . Per Dozen, $19.80

One Dozen in a Package



Tuttle Tooth

Special steel, bright finish, thin back, breasted tooth edge.

No. 23 Width, 2¼ inches; length, 30 inches . . . . . Per Dozen, $13.40

One Dozen in a Package

WOOD OR BUCK SAW RODS

Rods and loops are made from ¼ inch steel wire, bright wire finish. 3 inch plain turnbuckles.

No. 122 Length, 22 inches; weight per dozen, 5 lbs. . . . . Per Dozen, $4.00

One Dozen in a Package

New Sparklet Syphon

C8235—SPARKLET SYPHON Each
—For carbonating and softening water and other beverages. Made of heavy glass, covered with a rust-proof wire mesh, capacity one quart, metal parts are nickel plated, comes without Sparklet bulbs..... 2.50
In quantities of six..... 2.00

C8236—Sparklet bulbs for above, each bulb will carbonate a full quart of liquid. Packed one dozen in a carton, not broken..... Per doz. 2.40

FREE For A Limited Period

With each Syphon C8235 will be given absolutely free six 4 oz. bottles of assorted flavoring syrups; one each of Ginger Ale, Coca Cream, Strawberry, Wild Cherry, Pineapple and Mixed Fruit.

Sterno Canned Heat

C8100—"STERNO" CANNED HEAT Per doz.
Packed one dozen boxes in a counter display box..... 1.80

C8101—"STERNO" SET—A blue steel, Fin. Blue
one burner folding stove. One can of sterno heat and a nickel extinguisher. Each set in a box..... 4.00

C8102—"STERNO" SET—Blue steel, Per doz.
two burner folding stove and metal extinguisher. Each set in a box... 9.00

Camp Cooking Stoves

G9702—KAMPKOOK—A popular two-burner camp stove with ample capacity for a party of four or five. Built strong and durable with no unbreakable steel grate. Olive drab, baked enamel finish. Tank holds one quart of oil, a three hours' supply. Top measures 8x14¾ inches. Folded, 9¼x12x14¾ inches. Weight, 7 lbs..... Each 8.40

G9703—KAMPKOOK—A complete kitchen range with oven and heater built right into it. Boils, broils, bakes, roasts, fries and toasts. Oven may be used as heater, as a warming closet and as a windshield, protecting fire and utensils on all sides. Olive drab, baked enamel finish with black cvers. Folds to 15x10½x12½ inches. Weight, 21 lbs..... Each 18.00

G9701—KAMPKOOK—Has two burners, wind shield and improved iron grate. Tank holds five quarts of oil, a six hours' supply. Folds to 15¾x10¾x12½ inches. Weight, 12 lbs..... Each 12.00

G9703—KAMPKOOK—Three burners, all supplied by master burner. New improved iron grate and folding windshield. Two-quart tank holds 9½ hours' supply for all burners. Olive drab, baked enamel finish. Folds to 43x10¾x12½ in. Weight, 30 lbs..... Each 19.30

Seal Packed Jug

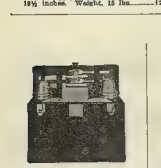
A seal packed container that will retain ice for 24 hours, hot liquids 12 hours, ice cream 12 hours. Sealing out with hot water will not injure this container in the least. It is non-breakable.

C8230—Green enamel, 1 gallon.. 3.00
In lots of 3 dozen..... 2.80
P8232—Brown enamel with faucet, 1 gallon..... 6.00
P8236—Brown enamel with faucet, 2 gallons..... 9.60

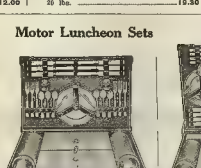
Auto Cafe Thermal Jar

C8219—AUTO CAFE THERMAL JAR—
For keeping contents at the proper temperature all day. Finished in a rich black enamel, trimmed in gold bands. White, heavy insulated cover with rubber gasket is firmly held in place by two thumb screws securely sealing the opening of the jar. Removable heavy aluminum lining, surrounded by a thick wall of highly insulating material and encased in a steel shell. Three extra food containers of ¼ quart capacity, the bottoms of the containers are especially designed to eliminate temperature loss from contents through radiation. Each container has a ring in cover, snap fasteners hold covers securely in place. Weight, packed one in a carton, 10 lbs..... Each 8.90

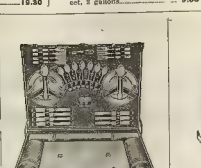
Motor Luncheon Sets



P8223—MOTOR LUNCHEON SET—For 2 persons, upright style. Thoroughly well made case covered with black glazed enamel cloth. Sanitary lined Moulded handle on cover. Equipped with 2 heavy, pint size seamless brass, corrugated vacuum bottles, 1 large food box, 2 plates, 2 knives and forks. Size, 10x12x5¼ inches. Weight, packed in a case, 19 lbs..... Each 29.00



P8224—MOTOR LUNCHEON SET—For 6 persons, suit case style, covered with glazed black drill. Attractive sanitary lining. Equipped with 2 heavy quart size, seamless brass corrugated vacuum bottles, with 2 nested cups in cap, 2 large food boxes, 1 each of salt and pepper shakers, 6 plates, 6 knives and forks, 6 spoons and 6 napkins. Size, 21½x15x6 inches. Weight, packed in a case, 30 lbs..... Each 50.00



P8225—MOTOR LUNCHEON SET—For 7 persons, suit case style, covered with glazed black drill. Attractive sanitary lining. Equipped with 2 heavy quart size, seamless brass corrugated vacuum bottles, with 2 nested cups in cap, 1 vacuum food jar, 1 extra large food box, 2 jars for preserves, 1 each of salt and pepper shakers, 1 can opener, 7 plates, 7 knives and forks, 7 spoons and 2 tablespoons. Size, 26x19x6¼ inches. Weight, packed in a case, 39 lbs..... Each 84.00

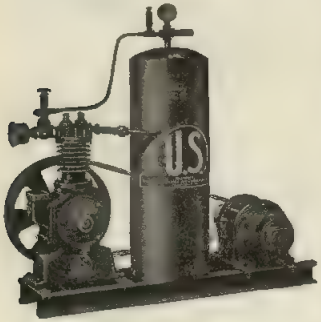
Thermal Jug

C8218—THERMAL GALLON JUG—Keeps hot or cold food or liquids at the proper temperature all day. Consists of a replaceable crock, surrounded with a thick wall of high insulating material, and is encased in a steel shell. Three extra aluminum cups and cover with folding handles. Special designed insulated stopper, porcelain glazed lining. Will not absorb food odors. Case is finished in dark green enamel with 3 decorative gold bands. Weight, packed one in carton, 12 lbs..... Each 6.00
C8217—Same as above, without extra cups..... 4.70

One-Gun Paint Spray Unit

U. S. Air Compressor Co.
Cleveland, Ohio

THE above company is now making several special low pressure and low priced one gun paint spray units, which are being marketed at a net dealer's price of from $151.60 to $211.60, depending upon the current specifications of the motor and type of mounting. The PSE-11, completely assembled unit, consists of a 3 by 3½ single cylinder air compressor automatic unloader for working pressure from 10 to 100



lb., intake silencer and filter, 1½ hp. motor, high quality prestretched leather belt, 12 by 26 by 15 best constructed tank with safety valve gage and fittings, all compactly mounted on a steel base in such a manner that the motor can be quickly moved backward to tighten belt. Unit has a displacement of 3 cu. ft. of free air per minute. The PSE-10 unassembled includes all items listed under PSE-11, except steel base, but including motor rails for mounting on wooden plant or floor.

New Weaver Hi-Speed Auto Ambulance

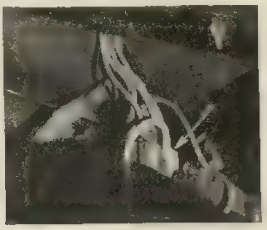
Weaver Mfg. Co.
Springfield, Ill.

AN improved model towing ambulance has been recently announced by the above company. It has been designed to support the load of a car in safety. The one-piece cast steel yoke which supports the load turns on a heavy pivot on the main frame of the ambulance, which permits the wheels of the ambulance to turn when turning corners and allows load to be guided by ambulance tongue. The saddles are offset to the side and by interchanging them the width can be varied from 18 to 22¼ in. In order to avoid brake rods and similar obstructions. The ambulance can be readily applied to front and rear axles, the yoke affording a two-point support that prevents tipping. The two saddles are offset fore and aft which permits the weight of the load to be thrown to the front or rear of the ambulance axle. The pole is made in two sections with pin adjustment that enables it to be extended from 7 to 13 ft. The body and yoke of the ambulance are of cast steel.

Shaler Magnetic Coincidental Lock

The Shaler Co.
Waupun, Wis.

THE above company has perfected an approved type magnetic coincidental lock which can be mounted anywhere on the instrument board within easy reach. The shutting off of the engine locks the car, making it impossible for the motorist to go away with the car unlocked. The principle of operation is by inserting the key in the lock cylinder and turn



90 deg. to the right, the operation position for the switch. To stop the motor and lock the car, turn the key to the left 90 deg. and remove and the car is in locked position. The lock has an electrical auxiliary or automatic device which acts as a secondary safety device when a thief attempts to cut through and trace the circuit or work around the device to establish the circuit.

Pyralin Gear Shift Knobs

E. I. du Pont de Nemours & Co.
Wilmington, Del.

ANNOUNCEMENT is made by the above company of gear shift knobs made of pyralin. The knobs are manufactured in a wide variety of colors to match or harmonize with the color scheme of the car. Shades available include marble, jade and mottled effect. The material is waterproof and greaseproof and unbreakable. The knobs may be easily fitted to the gearshift handle.

Lyon Display Case

Lyon Metallic Mfg. Co.
Aurora, Ill.

THE new steel display case manufactured by the above company is finished in grained natural walnut, mahogany, or oak exteriors which stand out against the clean white

interiors as do the accessories inside. It is also offered in white outside and inside, gray outside and white inside. The doors can be locked. Lights can easily be installed in the counter.

By courtesy of William Edwin Rudge. Publisher of The Glory of New York. By Joseph Pennell. From a full size illustration taken. Reproduced from a Water Color Painting, in four colors, by the Engraved by the

Beck Engraving Company of New York

Courtesy of the Andrew Jergens Company

This Pastel by Etienne Drian *was placed in the 1927* Art Directors' Exhibition *by the* J. Walter Thompson Company *and was awarded the Medal in Figure Drawing. Reproduced in four color process, 120 screen. Engraved by the* Beck Engraving Company *of* New York

Playing Cards and Dice

Fortune Telling Cards

Revelation — Face Card — Revelation

SEX. The Nile. Per doz.

C392—REVELATION FORTUNE TELLING CARDS—With card meanings printed on card faces. All year one colored design. Ivory finish..... 11.00

C392X—Same as C392 but with gold edges..... 16.80

C68X—THE NILE FORTUNE CARDS—Tinted sepia faces, with the significance of each card printed on its face, sphinx backs, printed in two colors, linen stock, double enameled, instructions in each pack, complete for playing all card games, gold edges..... 16.80

500 Score Pad

C372S

Per doz.

C3738—McCLURG'S SCORE PAD—For game of 500 or Auction Pitch. 40 leaves, size 4¼x8 inches, 1 dozen in package, not broken..... 1.44

Auction Bridge Score Pads

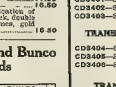
Per doz.

C3736 — McCLURG'S AUCTION BRIDGE SCORE—With new and latest rules for scoring. 32 sheets, one dozen in a package, not broken .80

C3737 — McCLURG'S AUCTION BRIDGE SCORE—With new and latest rules for scoring. 40 sheets, one dozen in a package, not broken 1.44

Auction Bridge and Bunco Score Cards

C3370



C40

Per gro. pkt.

C3739—AUCTION BRIDGE SCORE CARD—New revised auction bridge score. Red and blue asterisks, size 4¼x4¼ inches. 1 gross in a package, not broken..... .96

C39—PROGRESSIVE 500 SCORE CARDS—Assorted in two colors, blue and red, 1 gross in a package, not broken..... .84

C40—BUNCO SCORE CARDS—Assorted two colors, white and red, 3 gross to package, not broken..... .74

Score Tablets

C3761—ACE HIGH AUCTION BRIDGE SCORE TABLET of popular tablet for auction bridge, playing cards. Printed form for scoring with trick score, game score, other scoring and four columns for individual scores, tables revised chart, honors, penalties and bonuses shown. Thirty-five removable sheets, size 5¼x6¼. Attractive cover printed in black, red and gold. Packed one dozen in a package, not broken..... Doz. Cts. 1.44 10.80

Card Game Rule Books

C3742—HYTONE SCORE TABLET With the latest scoring information. Each sheet, size, 4¼x8¾, is prepared for scoring 4 games of auction bridge, set in two colors with a clear tabulation of the game on the inside of front cover. Forty sheets, perforated and removable. Packed one dozen tablets (or a style) in a brief container display car- Doz. Cts. ton, not broken..... 1.44 10.80

Whitehead Auction Bridge Score Pad

Per doz.

C3740—WHITEHEAD AUCTION BRIDGE SCORE PAD—Shows rubber number, number of each rubber card color, red and blue, player's name on each rubber, extra wide scoring feature, individual ledger sections, 64 sheets. Size, 5½x8 inches..... 2.00

Coffin, Charles Ermmet
Glen of Auction Bridge—MC..... Retail price 1.50 p.el

Ferguson, Wynne
Practical Auction Bridge—DO..... 2.00 p.ds
Rules and Laws of Auction Bridge—MP..... .75 .ed

Foster, R. F. (Ed. by)
Foster's Complete Hoyle—SZ..... 4.00 r.ls

Geoffrey, Mott and Smith
Contract Bridge M1..... 2.00 p.ds

Hatteriley, Lelia
Auction and Contract Bridge Clarified—MB..... 2.00 p.ds

Hoyle, Edmund
Card Games—DW..... 1.00 .ns
Hoyle's Complete Handbook of Games, Parsr—DM..... .40 .rs
Official Rules of Card Games, Popular—DM..... .25 .ol
Modern Games—BU..... 1.00 .ns

Irwin, Grace C.
Bridge for Children—PU..... 2.00 p.ds
Contract Bridge—GS..... 1.00 ts

Lenz, Sidney S.
Lenz on Bridge—SS..... 2.50 p.ls

Metcalfe, A. R.
Common Sense Bidding—MC..... 1.50 p.el
Real Auction Bridge—MC..... .75 ed

Montgomery, G. G.
Modern Auction—SC..... 1.50 p.oe

Seymour, Paul H.
Auction Bridge for Beginners—MC 1.25 .ye

Warren, Mrs. Prescott
Auction and Contract Bridge Condensed—SH..... 2.00 od

Whitehead, Wilbur C.
Auction Bridge Summary—ST..... 1.00 .ts
Auction Bridge—ST..... 1.00 .ts
Auction Bridge Standards—ST..... 2.00 p.ds

Work, Milton C.
Auction Bridge—WW..... 2.00 s.ds
Auction for Two or Three—WW 1.50 p.el
Contract Bridge—WW..... 1.00 p.ne

[See discount code sheet at front of catalog]

French Ivory Dice

Gross prices apply in assorted gross purchases

1 Dozen in Box, not broken.

Each Set in Box, not broken.

IVORY FINISH WITH BLACK SPOTS

	Per doz.	Per gro.
CD3400—Size ¼-in.	1.00	10.20
CD3401—Size ⅜-in.	1.10	11.40
CD3402—Size ⅝-in.	1.30	13.20
CD3403—Size ¾-in.	1.40	14.40

TRANSPARENT MAGENTA DICE

	Per doz.	Per gro.
CD3404—Size ¼-in.	1.30	13.72
CD3405—Size ⅜-in.	1.56	16.20
CD3406—Size ⅝-in.	1.70	17.28

TRANSPARENT GREEN DICE

	Per doz.	Per gro.
CD3407—Size ¼-in.	1.30	12.72
CD3408—Size ⅜-in.	1.56	16.20
CD3409—Size ⅝-in.	1.70	17.28

IVORY FINISH WITH SPOTS

5 Dice to a Set, each set in box, not broken.

	Per doz. Sets	Per gro. Sets
CD3410—Size ¼-in.	.40	4.20
CD3411—Size ⅜-in.	.48	4.80
CD3412—Size ½-in.	.54	5.50
CD3413—Size ⅝-in.	.60	6.00
CD3414—Size ¾-in.	.84	9.50

TRANSPARENT MAGENTA DICE

White Spots. 5 Dice to a Set.

	Per doz. Sets	Per gro. Sets
CD3415—Size ¼-in.	.56	5.70
CD3416—Size ⅜-in.	.68	6.60
CD3417—Size ⅝-in.	.72	7 20

Inlaid Ivory Dice

	Per doz. sets	Per gro. sets
CD3424—White ivory, inlaid red, blue and black spots. Size ⅝-inch, 1 set in box	12.50	
CD3425—Same as CD3424, size ⅞-inch	24.00	

French Bone Dice

French Bone Dice, 100 in box. Boxes not broken. Square corners.

	Per gro.
CD2358—Size ¼-inch No. 2	2.50
CD2360—Size ⅜-inch No. 2	3.60
CD2361—Size ½ inch No. 4	4.00

	Per gro.
CD2362—Size ¼-inch No. 2	3.60
CD2363—Size ⅜-inch No. 2	4.00
CD2364—Size ½-inch No. 4	5.00

Dice Cups

CD2360—Sole leather, height 2 inches, diameter 2¾ inches..... 6.50

CD2361—Sole leather, height 3¾ inches, diameter 3¾ inches..... 12.00

CD2362—Sole leather, height 3¾ inches, diameter 3¾ inches..... 14.40

CD2364—Sole leather, oak tanned, height 3⅞ inches, diameter 3¾ inches..... 18.00

CD2355 Sole leather, fancy polished, height 3⅞ inches, diameter 3¾ inches..... 19.00

Duplicate Bridge Set

DUPLICATE BRIDGE SET—Consists of four packs of cards and four board trays, numbered from 1 to 4 inclusive. Each board has an individual container which is numbered the same as the board.

A feature of this set is the series of gummed label numbers which are included. These labels are numbered from 5 to 24 inclusive. If a set with a larger sequence is desired the labels may be pasted on the additional boards and containers. This arrangement permits the forming of sets up to a sequence of 24.

Per set

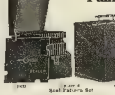
C2340—With Bicycle Bridge Cards..... 4.00
C2341 With Congress Bridge Cards..... 3.20

Paine's Seal Pattern Tray

AN EXTRA FINE, STRONG AND DURABLE TRAY—Seal leather pattern cases, with nickel plated handles, name plate, pattern in black or maroon. Put up in handsome seal clasp case.

	Each
C2535—Eight-tray set	27.25
C2536—Twelve-tray set	36.00
C2537—Sixteen tray set	44.00
C2538—Twenty-tray set	55.20
C2539—Twenty-four-tray set	66.00

Paine's Whist Tray



CLUB AND WHIST PLAYERS' FAVORITE

Made of heavy cardboard black cloth covered

	Each
C2320—Eight-tray set	16.00
C2321—Twelve-tray set	20.00
C2322—Sixteen-tray set	24.00
C2323—Twenty-tray set	28.80
C2324—Twenty-four tray set	32.80

For a complete Holiday Line Buy Early— Order From A. C. McClurg & Co.

De Luxe French Whist Size Playing Cards

C42

C142D

C142 DE LUXE PLAYING CARD—Gold edges, air cushion finish, new French Whist size, assorted, floral and fancy backs, gilt edges, packed in tucked box. Per doz. 16.00

C142D—DE LUXE TWO PACK PLAYING CARDS—Gold edges air cushion finish, new French Whist size, assorted, floral and fancy backs, two decks in a container 31.20

Congress French Whist Size Playing Cards

C606W—CONGRESS PLAYING CARDS—Gold edges, air cushion finish, new French Whist size, assorted, artistic, pictorial backs. In rich colors and gold by name or number ..... Per doz. 18.00

C606-202—Yaste.
C606-203—Lilac.
C606-204—Fountain
C606-205—The Hearth.
C606-206—Argoyr.
C606-208—At Sea.
C606-211—Queen.
C606-212—Rose.
C606-222—Pansy.
C606-225—Minnehaha.
C606-228—Betty
C606-230—Dorette
C606-231—Stewart
C606-232—Gordon
C606-233—Rob Roy
C606-234—McLeod.
C606-244—Panel.
C606-245—Rainbow
C606-255—Ruby
C606-265—Mermaid

C606-270—Butterfly.
C606-271—Carnival Days.
C606-275—Bubbles.
C606-277—Petite
C606-280—Harvest Time
C606-281—Fly by
C606-282—Rivals.
C606-283—The Flight.
C606-284—It's a Call
C606-285—Champ Clare
C606-287—Champ Cygnet
C606-288—The Scarlp
C606-290—Sunset.
C606-291—Hiawatha
C606-292—Gretel
C606-293—Jubilee Day
C606-294—Dolores.
C606-295—Titania.

Playing Cards

Popular Brands and Sizes

C505

C341 C808

C117—WIRELESS—Fine quality, assorted Red and Blue ..... Per doz. 7.00

C899—STEAMBOAT—Round corners, two color plaids 7.00

C185—TOURISTS—Hand process finish, set pattern, marginless backs, assorted red and blue 9.20

C805—ACORN—Satin finish, round corners. Assorted red and blue backs. Packed one dozen in a carton, not broken ..... Per doz. 5.20

C806—BOULEVARD—French White size, linen finish; round corners. Assorted red and blue backs. Packed one dozen in a carton, not broken 6.50

C943—COLONIAL—Regular size, ivory finish, assorted red and blue backs. Packed one dozen in a carton. Not broken 5.00

C6

C816 C814

C6—HORNET—Backs are of assorted colors.. ..... Per doz. 7.70

C101—TIGERS—Extra quality, assorted blue star and two color plaid backs 7.70

C816—PICKET—High finish red and blue backs, fancy design 8.50

C808-SC

BICYCLE—Made in smooth or linen finish. Red and blue, in the following backs

Per dozen..... 9.00

C808-1—Acorn
C808-2—Cupid
C808-4—Emblem
C808-5—Export
C808-6—Ladies
C808-7—League
C808-8—Lotus
C808-9—New Fan
C808-10—Racer
C808-11—Rider
C808-12—Safety
C808-18—Wheel

Per doz.

C808-SC—BICYCLE BRIDGE—Ivory, or air cushion, Columbia quality and designs. 9.00

Angel Back C92-SC

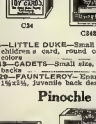
BEE PLAYING CARDS—A double enameled card of extra quality stock.

Per doz.
C92-SC—Cambric finish 11.70
C92-67S—Smooth finish 11.70
C92-67C—Cambric finish 11.70
All above in green back assorted 1.00

Playing Card Specials

C943

Toy Cards



C34 C848 C79

C24—LITTLE DUKE—Small size, 1¾x2¾, a handsome children's card, round corners, backs in various colors ..... Per doz. 5.00

C243—CADETS—Small size, 1¾x2¾, plaids and calico backs 5.00

CU29—FAUNTLEROY—Enameled, ivory finish, also 1¾x2¾, juvenile back designs 7.00

Pinochle Cards

C304 C300 C906-4S

Pinochle

C906—UNCLE SAM PINOCHLE—Ivory finish, contains 48 cards (8 spots low) 7.00

C906 4S—BICYCLE PINOCHLE—Contains 48 cards, air cush on (8 spots low) 9.00

C300—PINOCHLE—Enameled aluminum surface, 48 cards (8 spots low), red and blue backs, ivory or air cushion finish 10.80

C000—PINOCHLE—Double enameled, linen stock, red and blue backs, 64 cards (7 spots low), ivory or air cushion finish 18.00

Bridge and Whist Cards

C807 C814

C807—MARTHA WASHINGTON Franch Whist size, linen finish, gold edged with round corners. Assorted red and blue backs. Packed one dozen in a carton, not broken ..... Per doz. 9.00

C946—COLONIAL—French whist size, ivory finish, assorted red and blue backs. Packed one dozen in a carton, not broken 5.00

C39 TROPHY WHIST—French size, 2¼x3½, double enameled, linen stock, for regular and duplicate whist, character faces, with extra large indexes, backs and faces registered, a new line of steel plate backs 13.80

C39X—Same as C39, gold edges 14.80

Skat Cards

C810

930 IVORY PINOCHLE DOUBLE SKAT

64 Cards, 7 Spots Low

Pinochle or Double Skat

Per doz.

C930—IVORY PINOCHLE—Double Skat, 64 cards, enameled, linen stock, narrow whist size, size 2¼x3½, (7 spots low), ivory or air cushion finish.. 16.60

Skat

CU1—AMERICAN SKAT—Double enameled, American faces, 32 cards to pack, ivory or air cushion finish.. 10 50

Jumbo Indexes

C8E BRIDGE

Two Packs

With 2 Two Pack Telescope

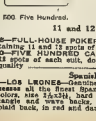
Congress Assortments

Congress Assorted French Whist

C606—TWO PACK CONGRESS CARDS—French Whist Size Playing Cards. Gold edges, air cushion finish. Assorted fancy backs, packed in one case Per doz. 31 20

C606W—ASSORTED CONGRESS CARDS—French Whist size, no two packs alike, packed in flat 12and cartons, ½ dozen in carton 16 65

11 and 12 Spot Cards



500 Five Hundred. 76 Los Leones.

11 and 12 Spot Cards

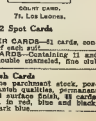
C585—FULL-HOUSE POKER CARDS—61 cards, containing 11 and 12 spots of each suit.. Per doz. 15.60

C800—FIVE HUNDRED CARDS—Containing 11 and 12 spots of each suit, double enameled, fine club quality 15.60

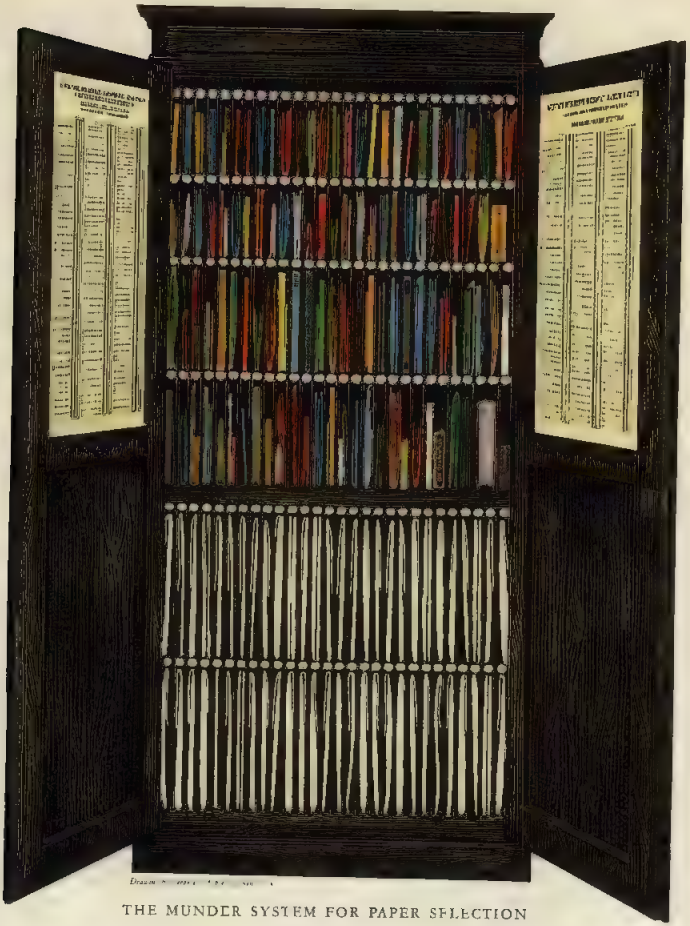
Spanish Cards

C71—LOS LEONES—Genuine parchment stock, possesses all the finest Spanish qualities, permanent colors, size 1¾x2¾, hard surface finish, cards, tangle and wave backs, in red, blue and black, plaid back, in red and dark blue. 13.80

11 and 12 Spot Spanish Cards



COLNT CARD. 7½ Los Leones.



THE MUNDER SYSTEM FOR PAPER SELECTION

Arranged and printed by

NORMAN T. A. MUNDER & CO., INC.

COPPER LINE ENGRAVING WITH BEN DAY COLOR PLATES
BY BALTIMORE-MARYLAND ENGRAVING CO

CHARTRES CATHEDRAL

A Munder Publication—Reproductions of Etchings

Arranged and Printed by

NORMAN T. A. MUNDER & CO., INC.

HALFTONE BY WALKER ENGRAVING CO.

{F}

NORTHEASTERS
catch the profit-stream

AMONG motorists "*NORTHEASTER*" has come to mean *the* horn to buy. Here a small investment with rapid turn-over yields the alert dealer welcome profits.

NORTHEASTER "75"
Big, full tone 9½ inch diaphram Ideal for all cars.
$7.50
NORTHEASTER "50-S"
same as "50," with short projector for motorcycles, cabs, trucks.
$5.00
NORTHEASTER "50"
moderate size 8½ inch diaphragm Without equal for the price
$5.00
NORTHEASTER "50-M"
Motor-driven. Simpler, more rugged than any other motor driven horn.
$5.00

THREE magnetic and one motor-driven type supply every car-owner's need. *NORTHEASTER'S* wonderful tone captures the ear; the finish captures the eye; the super-value captures the sale. Get in on these quick profits.

All *NORTHEASTERS* are furnished with engine mounting bracket.

NORTH EAST ELECTRIC CO.
Manufacturers of Automotive Equipment and Electrical Appliances
Starters Generators Ignition - Horns
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Electric Drives for Typewriters
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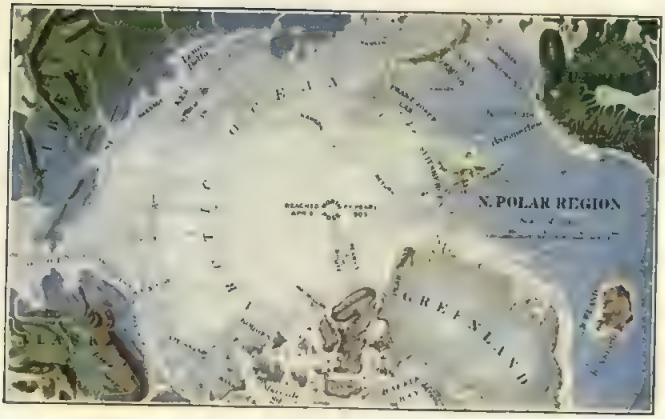
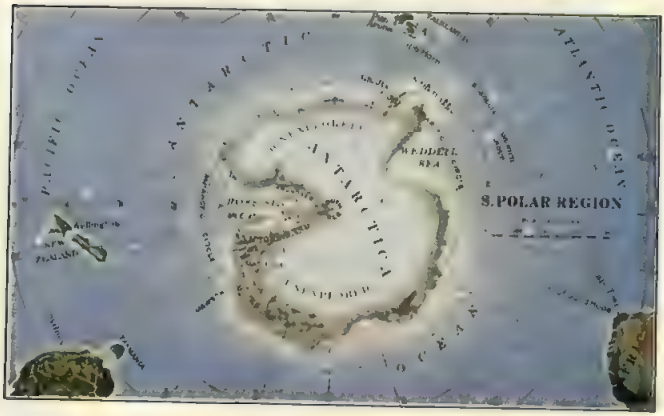




Courtesy of Ginn & Co. ©

From New Geography by Frye & Atwood

123 Screen Four Color Process Plates

THE LAST WORD IN COLOR MAPS

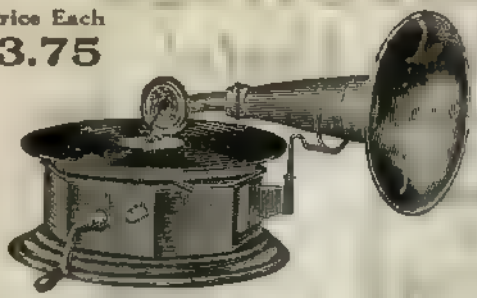
* R *

Reproduced from three Water Color drawings of maps and legends and two Pen drawings of lettering and lines. All negatives stripped and surpointed to register. An unusual example of the photo-engraver's ingenuity

Engraved by DONOVAN & SULLIVAN ENGRAVING COMPANY, BOSTON

Portable Phonographs and Needles

Price Each
3.75



Imported Phonograph, hexagon shape, made of heavy steel, enameled mahogany finish base, 11 inches diameter at base. 11 inches, with nickel finished aluminum tone arm, nickel plated sound box, extra strong and long running motor, speed regulator 7¼ inch felt covered turntable, 10¼ inch bell shape horn, nickel finished and highly polished on the inside. Plays any standard 10-inch record. Each in carton.

No. A30. Each..... 3.75

Price Each
9.00

Metropolitan Phonograph. Mahogany finished cabinet. Measures 12x5¾ inches high. Lattice front covered with sateen. Will play a 12 inch record thru with one winding. Will play all makes of records. 8-inch turntable. All metal parts nickel plated. Speed regulator and positive stop. This number is being used largely by premium users. Each packed in a corrugated box.

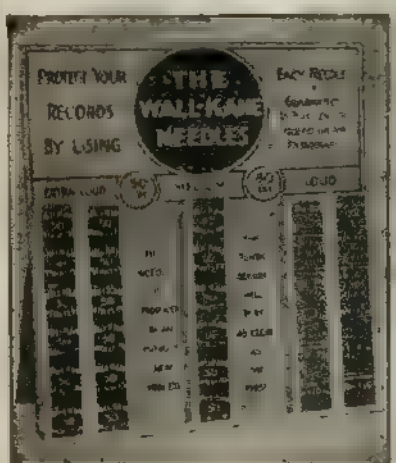
Model A25. Each..... 9.00

This is the ideal machine for those desiring a popular priced portable phonograph. Mechanically perfect and sturdily built. This machine has a guaranteed sturdy **single spring motor** and a special tone arm and reproducer giving a splendid tone quality and plenty of volume. This machine is covered with genuine Du Pont fabrikoid. Weight 11¾ lbs. Size 13¼ inches long, 12¼ inches wide and 7 inches high. Case of 3-ply wood with embossed top.

No. A32. Each..... 9.75

The Fastest Selling Portable Phonograph. This machine is outstanding in appearance, being exquisitely finished and covered with heavy grade genuine diotone DuPont fabrikoid. The case is made of heavy 3-ply wood with a solid record holder on inside of cover. Top of cover is beautifully embossed. Equipped with a specially designed multitone reproducer and tone arm which gives perfect clarity of reproduction. It is the only portable phonograph on the market using a guaranteed **double spring Swiss motor.** Equipped with strong carrying handle and two catch locks. Weight 21 pounds. Size 15½ in. long, 12 in. wide and 13 in. high.

No. A33. Each..... 13.50



Wall-Kane Needles. A specially tempered steel needle, coated with a chemical solution gold finish. Each needle guaranteed to play ten records. Packed 50 needles in a package.

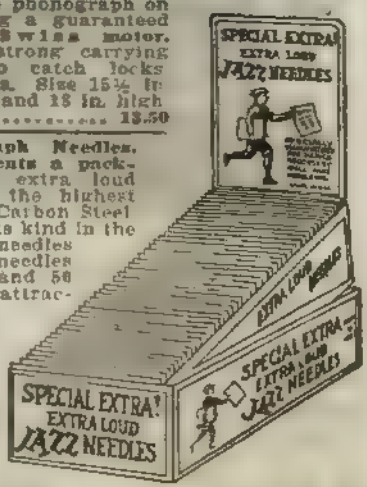
A metal display stand like illustration contains 60 packages of needles as follows: 24 extra loud 24 loud and 12 medium tone. Sold only this way.

No. 12441.

Costs you..... 3.50
Retails for..... 9.00

Jazz Phonograph Needles. Retails for 10 cents a package. A special extra loud needle made of the highest grade American Carbon Steel. The only one of its kind in the world. These needles are packed 100 needles in an envelope and 50 envelopes in an attractive display box as illustrated. No less sold.

No. 12444.
Per carton of 5 packages. 2.50



Musical Novelties

New - Appealing - Useful

Excellent for Prizes, Resorts, Carnivals, Etc.

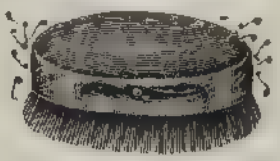
Fitted with Key Winding Musical Attachment

Musical Bottle. Made of high grade pottery highly glazed finish. Capacity one quart. Fine marble effect finish. Life preserver design. Height 11⅝ inches. Capacity one quart. Fine imported musical attachment, two tunes, plays when lifted.

No. 2A41. Each..... 5.75

Musical Toilet Paper Holder. Made of hard wood, white enameled finish. Imported musical attachment plays two tunes. Starts to play every time paper is pulled. Size of panel 8½x5⅝ inches.

No. 2A35. Each 4.25

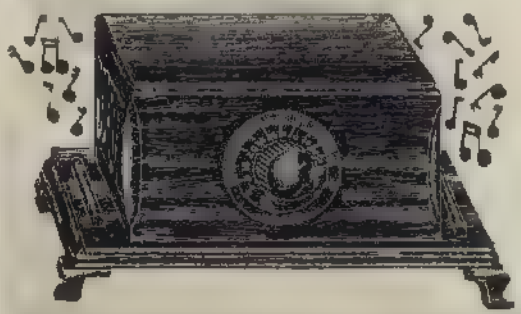


Musical Cloth Brush. Military style. Fine white maple top, 11 rows fine quality black bristle. Size 5¼x2⅞ inches. Imported musical attachment, two tunes. Automatic button on side which starts playing when pressed and stops when released.

No. 2A43. Each 4.00

Musical Cocktail Shaker. Silver plated on fine white metal base, hammered design, butler finish, fancy border in relief oxidized. Height 12 inches. Screw top spout and large cork cover. Fine imported musical attachment starts playing when lifted.

No. 2A42. Each..... 8.50



Musical Radio and Automatic Cigarette Box. Made of hard wood, oiled walnut finish. Dimensions of base 10⅝x4⅞ inches. Height 6¾ inches. Musical attachment operates with radio dial. Turned in either direction, it starts to play and automatically ejects a cigarette on either side. Wood stops are provided to prevent cigarette rolling off when ejected.

No. 2A44. Each..... 5.75

Jazz Musical Smoker Set. Wood cabinet, black gloss finish, dimensions of box 8½x4¾ inches. Polished brass safety match box holder and ash tray with one rest. Negro jazz orchestra attaches to base with spring clips and are highly finished in natural colors. Height over all 7½ inches. Fitted with drawer for cigarettes. When opened, plays two tunes on fine improved musical attachment. An entirely new novel and attractive smoker set that is something different.

No. 2A37. Each..... 8.75

Practical, Handy and Essential Nulite Gasoline Specialties

Table Lamp, Lantern, Ceiling Lamp, Wall Lamp and Chandelier Come "Match-Lite" or Generating Lighting which Specify when Ordering

The House of Co-operation Inc. 1889 1927

Table Lamp

400 Candle Power
Popular for the Home and Office
(Pictured at left)

Height, 23 inches; weight, 6 lbs. Polished nickel-plate finish, equipped with two Rag Mantles and White Embossed Shade, wrench, tip cleaner, extra rubber washer and instructions.

Comes Match or Generating Lighting
No. 8C119M Table Lamp, each ... $13.00

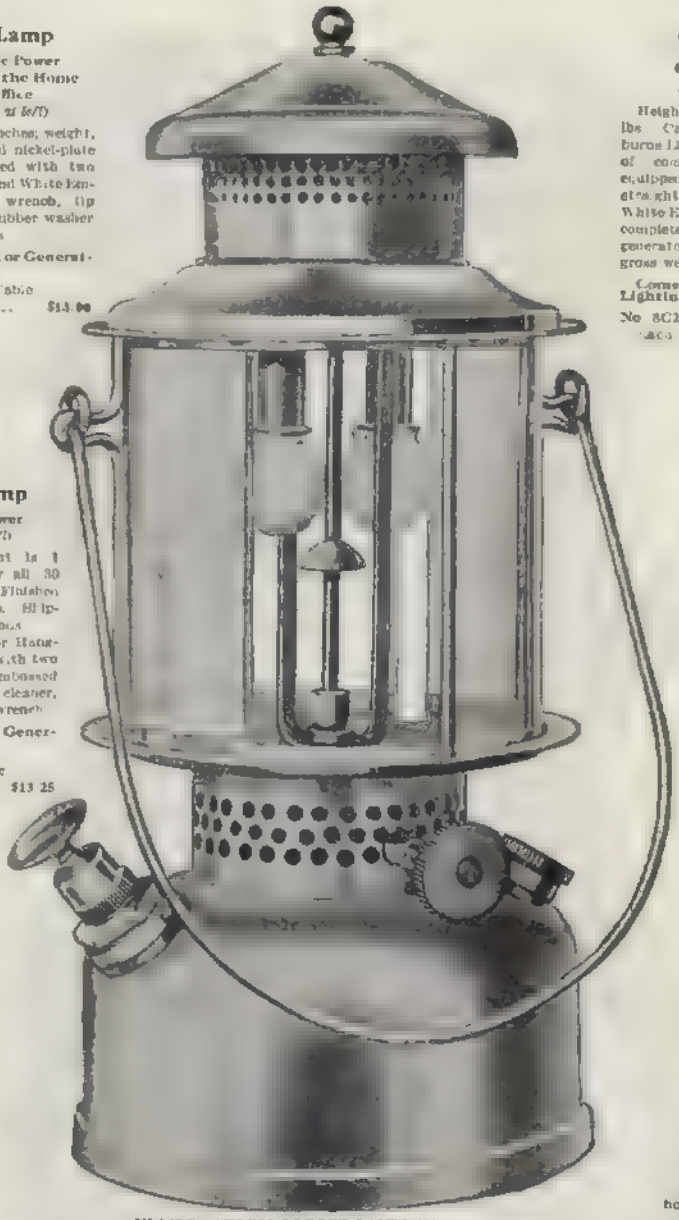
Ceiling Lamp

400 Candle Power
(Pictured at left)

Capacity of fount is 1 quart. Length over all 30 in. width 11 in. Finished polished nickel plate. Shipping weight 10 pounds.

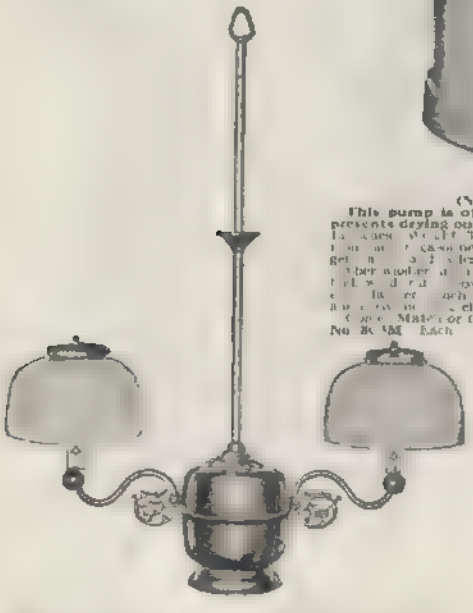
This Nulite Indoor Hanging Lamp, complete with two mantles, white embossed shade, pump, tip cleaner, rubber washer and wrench.

Comes Match or Generating Lighting.
No. 8C203M Ceiling Lamp, each ... $13.25



NULITE "STORM-PROOF" LANTERN
(Now furnished with "Nulite" Built-in Pump)
This pump is of all-brass construction with self lubricating plunger that presents drying out and insures efficient dependable service always. Height [illegible] Burns [illegible] on one filling of common motor gasoline—gives an even, steady, intense light in all kinds of weather. A boon and marvel for out-of-door use. Under [illegible] Shipped complete with wrench, pump, tip cleaner and rubber washer.

Comes Match or Generating Lighting
No. 8C 5M Each ... $12.60



No. 8C202M "Nulite" Portable Chandelier is an 800 candle power light, suitable for large Rooms, Stores, Halls, Churches. Either light can be used alone or both can be employed at the same time.

Fixture is 30 inches over all with a 27-inch spread. Capacity of fount 2 quarts. Finished polished nickel plate. Furnished complete with 2 white opaque shades and 4 rag mantles, pump, tip cleaner, rubber washer, wrench; weight 7½ lbs.

Comes Match or Generating Lighting.
No. 8C202M Chandelier, complete as described ... $20.40

HANDY" No. 8C1 CAMP STOVE

(Pictured at right)

[illegible] the most perfect little camp stove ever made. Light, compact, takes little room—easy to carry, makes its own gas from common motor gasoline—gives an even, steady, intense light in all kinds of weather. No chimney to fill, no wicks to trim, no dirt, no smoke, no work. Always ready for a "jiffy." Costs less than a cent an hour to operate.

Specifications: Capacity of fount, one quart, burns seven hours on one filling. Height, 8 inches; weight, 5 lbs. Furnished complete with all accessories.

No. 8C1 Camp stove, each ... $10.45

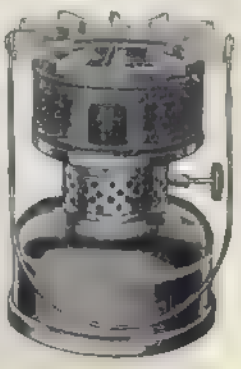
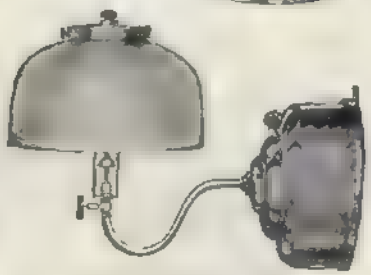


Table Lamp

400 Candle Power
(Pictured at right)

Height, 17½ in.; weight, 4½ lbs. Capacity of fount, 1 qt.; burns 12 to 14 hours on one filling of common motor gasoline; equipped with two Rag Mantles and straight removable generator. White Embossed Shade. Shipped complete with wrench, extra generator pump and tip cleaner; gross weight, 6 lbs.

Comes Match or Generating Lighting.
No. 8C210M Table Lamp, each ... $11.00

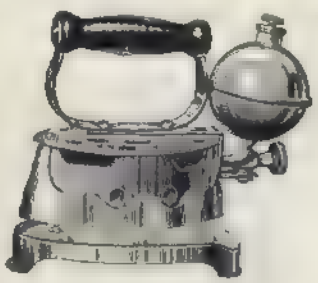


Wall Lamp, 400 Candle Power

The "NULITE" Portable Wall Lamp is designed for use in rooms with very low or extremely high ceilings. Fount holds 1 quart. Height, 10 inches. Extends from wall 4½ inches.

This Indoor Wall Lamp complete with white embossed shade, two mantles, pump, tip cleaner, wrench and rubber washer.

Comes Match or Generating Lighting
No. 8C207M Wall Lamp, each ... $11.50



"Comfort" Flat Iron

This [illegible] weighs three-quarters of a pint. Burns 5 hours with one filling.

Only thirty seconds is required to make ready for ironing.

Weight, 7 lbs., has 18½ square inches of ironing surface.

Cost of operating is less than one-half cent per hour.
No. 8C102 Iron, each ... $7.70

No. 8C1A Rag Mantle

To right we show a carton of Rag Mantles, containing one gross, one dozen in a package. If displayed and you have sufficient call on your locality, you can readily dispose of a carton profitably. An extra 10% discount allowed in a gross purchase.

Nulite Superior Quality Inverted Mantles

"NULITE" inverted mantles [illegible] light from every other. They are used [illegible] and can be protected. We are to make a standard of quality to all mantles which will insure the best possible service wherever used.

No. 8C1A Nulite Gasoline Rag Mantles, for average lighting per day. List price ... $2.25
No. 8C2B Nulite Rag Mantles or table lamps and lanterns per dozen. List price ... 1.90

The New White Cross Electric Stoves and Ranges at Factory Prices

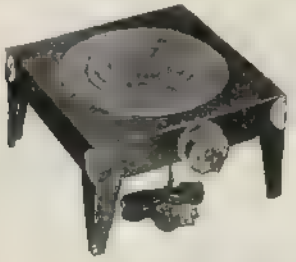
Durably Constructed and Attractively Finished — **Priced Exceptionally Low**

"Cook the Electric Way"—The Most Scientific, Sanitary, Practical and Convenient Way to Cook.

One Heat Electric Stoves

For those who do not require a three heat regulation for cooking

The White Cross Electric Stoves shown below are finished black enamel, nickel trimmed, have indicating rotary switch at each burner, and standard length (asbestos lined) heater cord with two-piece plug



No. 8C99 One burner Range, size 9x9x[illegible] ins. high. Price $5.25

Choice of Two or Three Burner Range

No. 8C100 Two Burner Range, size 9x18x9½ ins. high. Price for Light Flame [illegible] $8.40

No. 8C101 Three Burner Range, size 9x27x9½ ins. high. Price for Light Flame [illegible] $11.90

For the Woman—In the Home

These Guaranteed—3-Heat Electric Ranges Just Out
Heat Regulated—High—Medium—Low and Out

These stoves are unusually substantial in construction. Their good appearance, economical current consumption and 4-station, three-heat reciprocating switch at each unit regulates the heat to any desired temperature at the snap of the switch. The oven when not in use may be removed, making each burner available for other cooking. They are the first and only ranges having all these features and yet retailing at a popular price

Current Consumption

Low 1½ Amperes
Medium 3¾ Amperes
High 6 Amperes

Showing No. 8C102 Two Burner Range
Also Furnished in Three Burner Range, as quoted

No. 8C102 Two Burner, size 11x24x51 ins. high. Complete with Oven [illegible] $19.60

No. 8C103 Three Burner, size 11x36x51 ins. high. Complete with Oven [illegible] $24.50

Showing No. 8C104 Two Burner Range
Also Furnished in Three Burner Range as quoted

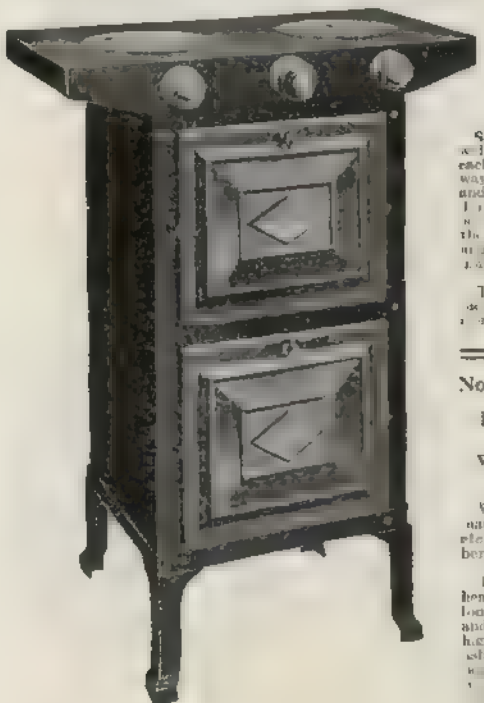
No. 8C104 Two Burner, size 11x24x26 ins. high. Complete with Oven 11x11x12 ins. wide $28.00

No. 8C105 Three Burner, size 11x36x26 ins. high. Complete with Oven 11x11x12 ins. wide $35.00

NOTE: The Nos. 8C103 and 8C105 require special wiring and are furnished with heater cord less attachment plug.

Every Housewife Can Now Afford This Modern Way of Cooking Without Matches—Flame—Fuel—Smoke or Soot

The woman who does not own a WHITE CROSS ELECTRIC RANGE is missing a service that [illegible] kitchen, on summer porch, in the breakfast nook, for buffet service [illegible] gas stove in the summer home and for an all year home appliance it [illegible] electricity for cooking. It will free one from the shortage [illegible] and does away with dirt upon providing heat for cooking



Cooks or Bakes from any Lamp Socket (Description to right)

No. 8C106 Electric Cabinet Range.
Each [illegible] $40.60

No. 8C106 White Cross Electric Cabinet Range. Each $40.60

Cook or Bakes from any Lamp Socket

SPECIFICATIONS. This Cabinet Range is [illegible] high, 4 ins. wide and 24 ins. deep. The top is 12x22 ins. with two [illegible] each operating independently [illegible] way on and off) switch. The oven [illegible] 12 ins. wide, 10 ins. high and 11 ins. deep with a [illegible] The oven [illegible] double walled throughout [illegible] with two heating elements [illegible] the bottom [illegible] Top plate [illegible] oven [illegible] 4 amperes at top and 6 amperes at bottom.

The range is [illegible] grade cabinet steel throughout [illegible] cast [illegible]

No. 8C107 White Cross Electric Cabinet Range. Each [illegible] $48.50

With Standard Reciprocating 4-Station, 3-Heat Switch For Oven and Each Top Unit

We invite attention to the fact that materials used in the manufacture of this range such as heating units, switches, wiring etc. are of the finest quality obtainable. The range is black rubberoid finished—non-rusting and easily kept clean

The cooking [illegible] fitted with two 7 ins. three-heat type heating units [illegible] individually controlled by four-station switches. The [illegible] 7 ins., the oven and warming closet [illegible] wide, 10 ins. high and 11 ins. deep [illegible] The [illegible] with [illegible] The oven [illegible] grade resistance wire [illegible] being 1200 watts and the other 1500 watts. The upper oven unit 440 watts, and the lower oven unit 660 watts. Total wattage, 3800.

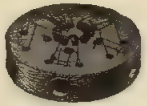
The heating units will not warp, crack or burn out, even though cold water is dashed over them while they are red hot

Adaptable to Either the Two-Wire or Three-Phase Circuit Special Wiring (Description to left)

No. 8C107 Electric Cabinet Range
Each [illegible] $48.50

MOUSE AND RAT TRAPS.

WOOD CHOKER.



4 Hole.

Mouse. Diameter, 4¾ inches; coppered wire springs. Wt. doz., 3½ lbs. .....Dozen **$1 40**

SURE CATCH.

Mouse. Wt. doz., 1 lb.....Dozen **$0 50**

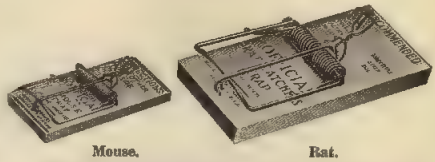
Half dozen in a box.

DEAD EASY.

Rat. Has safety catch which enables operator to set the trap without risk of injury. Wt doz., 6 lbs.....Dozen **$2 00**

One dozen in a box.

OFFICIAL.



Mouse. **Rat.**

Double action trigger; releases either by upward nibble or downward pressure; heavy spring; extra heavy, well seasoned block; clinched staples.

	Mouse.	Rat
Size, in.	2x8⅞	3½x7
Wt. doz., lbs.	1	7
Doz.	$1 20	2 40

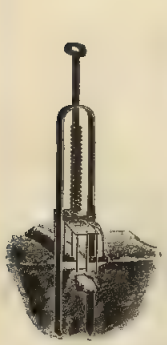
One dozen in a box.

HOLD-'EM.

Steel spring coppered wire, lacquered; double steel ribs with interlaced wires, preventing wires from spreading.

	No. 0 Rat.	No. 3 Rat.
Length, in.	14½	20
Width, in.	9	10
Height, in.	7	7¾
Wt. doz., lbs.	27	44
Doz.	$12 00	18 00

MOLE TRAPS.



Reddick.

Cinch Special No. 2

Reddick. Tinned steel frame, japanned steel coil spring; six steel prongs, 5 in. long. Wt.doz., 40 lbs. Dozen **$12 00**

Cinch Special No. 2. A safe and successful device for catching moles. Easy to operate. Wt. doz., 16 lbs .....Dozen **$10 80**

Open stock.

Out-'o-Sight. Malleable iron, japanned; steel lever. Directions for setting and full explanation of the mole's habits furnished with each trap. Wt. doz., 24 lbs.....Dozen **$16 00**

One in a carton, 3 dozen in a case.

GOPHER TRAPS.

Macabee. Made of coppered steel wire, painted. Wt. doz., 3 lbs. Doz. **$4 50**

GOPHER TRAPS.

Cinch No. 1. A safe and successful device for catching gophers; easy to operate. Wt. doz., 15 lbs. Dozen **$10 80**

Open stock.

GAME TRAPS.

HIGH GRIP.

WITH CHAIN.

High Grip Traps, as the name indicates, grip the animal high up on the leg where bone and flesh are heavier. The higher the grip the surer the hold. By using High Grip Traps the trapper increases his catch, consequently increases his profits. After being set, the springs of High Grip Traps may be turned in any direction, from extreme right to extreme left or any position between these limits, and both jaws will still lie flat. This saves labor of cutting out or removing what would be obstructions with other makers' traps.

Nos. 115 and 215 Single Spring, Open.

Nos. 115 and 215 Single Spring, Closed.

Nos. 315 and 415 Double Spring.

Nos. 315X and 415X Double Spring.

No. 115. For civet, muskrat, marten, mink, oppossum, rabbit, skunk.

No. 215. For coon, fox, fisher, lynx, mink, ring tail raccoon, red fox, wild cat, woodchuck.

No. 315. For badger, coyote, gray fox, otter, wolverine.

No. 415. For beaver, wolf.

No.	Spread of Jaws In.	Size of Pan In.	Length of Trap In.	Length of Chain In.	Wt.doz., Lbs.	Doz.
115	4⅞	1¾x2½	8	18	8¼	$ 4 00
215	6⅛	2¼x3	9½	19	13	5 75
315	8	2½x3½	17	22½	32	21 00
415	10⅝	3x4	24	48	90	47 50
315X	8	2½x3½	17	22½	35	24 00
415X	10⅝	3x4	24	26	70	38 00

TRIPLE CLUTCH.

WITH CHAIN.

Nos. 115X and 215X.

Triple Clutch Traps have three grips; upper, lower and middle ball grips. Pull, twist and gnaw proof. No bone breakage. After being set the springs of Triple Clutch Traps may be turned in any direction, from extreme right to extreme left or any position between these limits, and both jaws will still lie flat. This saves labor of cutting out or removing what would be obstructions with other makers' traps.

No. 115X. For civet, muskrat, marten, mink, rabbit and skunk.

No. 215X. For coon, fox, mink, red fox, wild cat and woodchuck.

No.	Spread of Jaws In.	Size of Pan In.	Length of Trap In.	Length of Chain In.	Wt.doz., Lbs.	Doz.
115X	4⅞	1¾x2½	8	18	8⅝	$ 4 75
215X	6⅛	2¼x3	9½	19	13⅞	7 25

"BIFF-BAG"

A juvenile punching bag, in which outer cover and inner bladder, are both one piece. It will stand up to all punishment that any person can impose upon it by striking it. Made of close woven khaki covering. The inside of the bag is heavily coated with rubber, thus making it absolutely air tight. The bag is not cemented but vulcanized together by a patent process. The valve is leak-proof and enclosed in the top flap.

No. C118—Outfit includes, Biff-Bag, top rope of sash cord, strong round elastic bottom cord and one set of floor and ceiling screws. W't per dozen, 6 lbs., per dozen $24.45

PACKED IN AN ATTRACTIVE PASTE-BOARD BOX

STRIKING BAG BLADDERS

Guaranteed Pure Gum.

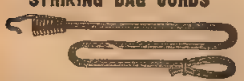
No. C10—2 piece—For numbers C18D and C10D Bags; w't 1½ lbs., per dozen $16.00

No. C11—4 piece—For numbers C18D and C10D Bags; w't 2 lbs., per dozen $20.00

No. C12—Side Stem—4 piece—For numbers C86, C84, C77, C76, C70, C68, C66 Bags, w't 3 lbs., per dozen $22.00

PACKED LOOSE

STRIKING BAG CORDS



ELASTIC CORD FOR DOUBLE END STRIKING BAGS

No. C4—Heavy weight elastic, three feet long, nickel end loop, each $0.35

No. C3—Medium weight elastic, three feet long, plain ends ..each $0.30

ONE IN A BOX

"PITCH EM" HORSE SHOE GAME

Indoor game, play in the parlor or on the lawn.

No. C1—Horse shoes of best rubber on flexible steel, four to a set, two metal discs with upright posts for indoor use, two neat wooden pegs for outdoor use, w't per doz. sets 35 lbs., per dozen sets.....$17.35

ONE SET IN A BOX, ONE DOZEN SETS IN A CASE

PITCHING HORSESHOES

No. C26—Malleable Iron. Official size and weight. Made of malleable iron; better for pitching than steel as it is not so smooth as to slip in the hand and not so lively on the bounce. Shoes numbered 1 and 2 and finished in black and red to distinguish in playing. Packed 1 pair in carton with official horseshoe pitching rules included. W't 2½ lbs. per shoe..per dozen sets $33.35

NATIONAL STANDARD STAKES

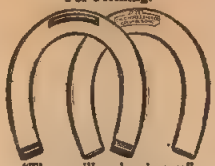
Made of Cold Rolled Machine Soft Steel.

No. C30—30 in. long..per pair $2.75

LOOSE

OFFICIAL REGULATION HORSE SHOES

For Pitching.



"These will make ringers"

ORIGINAL Drop Forged Steel Shoe. Regulation size and weight, perfectly smooth and well balanced. This is not a casting but forged from special steel. Hardened and will not splinter. Gilt finish to prevent rusting.

Have been on the market for one year and are giving entire satisfaction. Guaranteed for one season. Pair consists of two shoes. Set consists of four shoes.

No. C22—Size 7×7¾ in. w't 2½ lbs. per shoe.....per dozen sets $86.65

ONE PAIR (2) IN A BOX

JUNIOR

For Ladies, Children and Boy Scouts.

This is a light pattern of Horseshoe drop forged steel shoe, designed for those wishing to pitch a light shoe. Gilt finish.

Very neat, just the thing for ladies, children and Boy Scouts.

There is no better sport than pitching horse shoes; it tends to develop the whole physical anatomy; also trains the eye for distance. Pair consists of two shoes. Set consists of four shoes.

No. C22J—Size 6½×6⅜ in. w't 1½ lbs. per shoe.....per dozen sets $74.65

ONE PAIR (2) IN A BOX

OFFICIAL PITCHING HORSE SHOES

DROP FORGED STEEL

Guaranteed not to chip or break. Made to conform exactly with the regulations of the National Horseshoe Pitchers Association. Put up in pairs and lettered A and B so as to be easily and quickly distinguished.

No. C25—W't per shoe 2 lbs. 8 oz., per dozen sets.....$60.00

ONE PAIR IN A BOX

Courtesy of the Advertising Display Co.

Three Color Bender Plates on Zinc

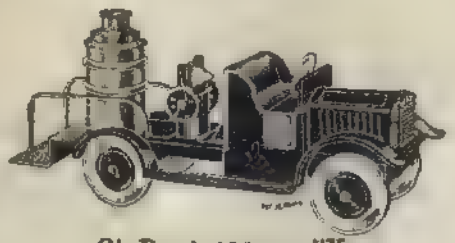
A BREAD WRAPPER

Reproduced from Outline Pen drawing

Engraved by DeLuxe Engraving Company, Cincinnati, O.

"Oh Boy" Big Values in Metal Toys

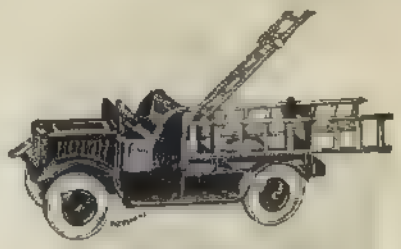
Made of Heavy Gauge Metal Beautifully Finished in High Gloss Enamel Colors



Oh-Boy/ FIRE ENGINE "135.

19½" long, 8½" high, 6⅝" wide. Red body. Gilt boiler and hose reel. Metal bell, red disc wheels. Aluminum finished tires. Each in box.

No. 39N207. Per dozen..... 8.82



Oh-Boy/ FIRE TRUCK "130

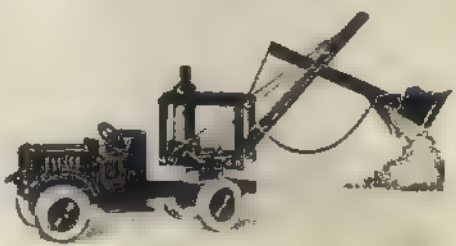
21" long, 7" high, 6½" wide. Red body with 3 cream colored ladders. Red disc wheels, aluminum finished tires. Each in box.

No. 39N208. Per dozen..... 8.82

Oh-Boy/ STEAM SHOVEL "140

12" long, 8" high, 5" wide. Red platform, black wheels. Red corrugated top, black body with red shaft and black shovel. Each in box

No. 39N201. Per dozen..... 8.82



STEAM SHOVEL ON AUTO

21" long, 11" high, 4½" wide. Red chassis, red corrugated top. Black body with red shaft, and black shovel. Red disc wheels, aluminum finished tires. Each in box

No. 39N221. Per dozen..... 18.00 Each..... 1.65

U. S. MAIL TRUCK

Black chassis. Dark green body, red disc wheels Aluminum finished tires. 22" long, 10" high, 6½" wide Each in box.

No. 39N222. Per dozen..... 18.00 | Each..... 1.65

MOVING VAN

22" long, 10½" high, 6½" wide. Black chassis, apple green body. Red disc wheels. Aluminum finished tires. Each in box

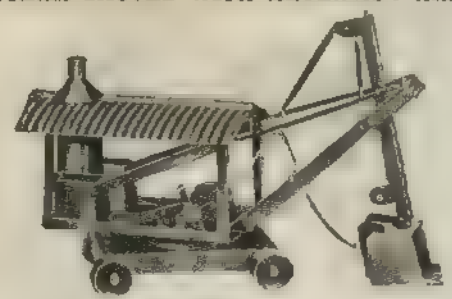
No. 39N223. Per dozen..... 18.00 | Each..... 1.65

Keystone Heavy Steel Toys

Trucks Are Equipped With Solid Rubber Tires

Constructed of heavy automobile sheet steel body stock and baked in colored enamel to a beautiful glossy finish. All trucks are equipped with disc wheels and solid rubber tires, nickeled hub caps, head lamps and radiator caps. Chauffeur cabs with stop and go signals. They also have standard steering arrangement with steering knuckles of ⅜ inch thickness and are in every respect designed along the lines of the real machines. These remarkable toys are electrically spot welded, heavily riveted throughout and will sustain weights of from 200 to 300 pounds.

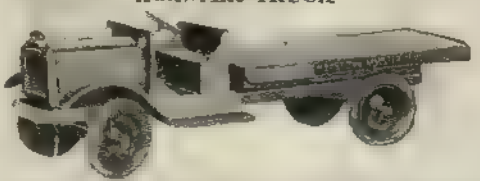
STEAM SHOVEL WITH EXTENSION ARM



(Mfr's No. 47). Steam Shovel is raised and extended by turning crank. It is lowered by pressing lever, opened and closed by pulling string. This steam shovel is 12 inches high, 26 inches long and 6½ inches wide. Black frame, red base and corrugated roof. Heavy steel boiler, coal box, water tank, house and 16½-inch extension arm, 14-inch derrick on turntable. Each in carton.

No. 82N51. Each..... 3.00

KOASTER TRUCK



(Mfr's No 53) **The tendency of children** is to try to ride on all the various models of **Keystone Trucks.** The above illustrated **Koaster Truck** allows this added feature to this class of goods. The platform is of particularly heavy material and baked with a heavy dipped red enamel. Comfortable for youngsters to sit on and put to varied play use. **Size 28 inches long and 9 inches high. Each in carton.**

No. 82N57. Each..... 3.30

DUMP TRUCK

(Mfr's No 41) **26½ inches long.** 10½ inches high, 8½ inches wide. Black body, cab, running boards and radiator, red wheels, red chassis. Lifting power of great strength operated by a crank at front of the car. Drop end with chute door. Each in carton.

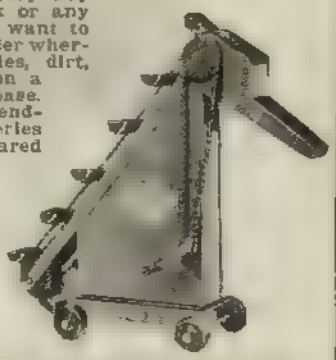
No. 82N50. Each..... 4.35

TRUCK LOADER

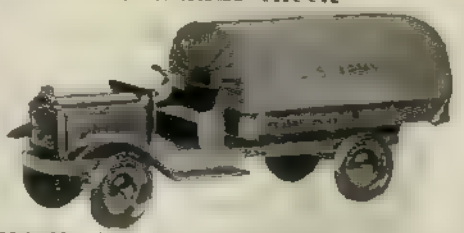
(Mfr's No. 44). Every boy having a dump truck or any open body truck will want to play with a truck loader wherever there are pebbles, dirt, sand, etc. Mounted on a four-wheel heavy base. Baked, dipped enamel endless chain with a series of grab buckets geared to a crank so as to give more power to the chain. The material when lifted is thrown down a chute. Enameled in olive drab, red and black colors. Size 20½ in. long, 17¾ in. high. Each in carton

No. 82N58.

Each..... 3.30



U. S. ARMY TRUCK



(Mfr's No. 48.) The canvas hood made of exceptionally heavy material with brass grommets fits snug over the steel framework of this army truck. When the canvas hood is off the youngster can still pile varied articles above the height of the framework. Army trucks stand out very vividly in the youngster's mind. The above army truck has the correct color scheme and is correct in detail. Size 26½ inches long and 11½ inches wide. Each in carton

No. 82N55. Each..... 4.50

HYDRAULIC DUMP TRUCK

(Mfr's No. 52). The motor hood when lifted reveals an actual working air pressure pump operated by turning the crank. Behind the chauffeur's cab is a brass hydraulic pressure tube containing a piston that is equipped at the top with a cross-bar holder for two pulleys. The lifting rope on these two pulleys connects with the body of the dump truck. At the side of the cab is a lever which will release the air when it is decided that the dump truck be lowered. An impressive hissing sound of air is obtained when the dump truck lowers. Size 26⅛ inches long, 13⅛ inches high. Each in carton.

No. 82N61. Each..... 5.75

"OH BOY"

Big Values in Metal Toys

Made of Heavy Gauge Metal, Beautifully Finished in High Gloss Enamel Colors

Oh-Boy/ BUS-*105

19½ inches long, 7 inches wide, 6¾ inches wide. Blue body, black top, pink curtains, yellow back seats. Red disc wheels, aluminum finished tires. Each in box.

No. 39N205. Per dozen..... 8.82

Oh-Boy/ AUTO RACER *110

15¾ inches long, 7½ inches high, 6¾ inches wide. Red body. Wind shield, radiator and hood aluminum finished. Red disc wheels, black tires. Each in box.

No. 39N202. Per dozen..... 9.82

Oh-Boy/ DUMP TRUCK *100

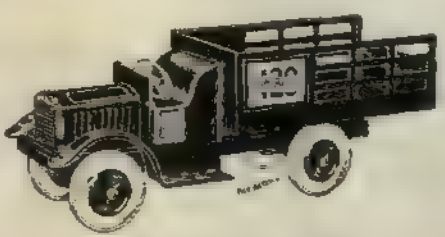
19½ inches long, 7 inches high, 6½ inches wide. Black chassis, red body red disc wheels with aluminum finished tires. Each in box.

No. 39N209. Per dozen..... 8.82

Oh-Boy/ WRECKING TRUCK *125

19 inches long, 7 inches high 6½ inches wide. Black chassis Red body with black derrick Red disc wheels with aluminum finished tires Each in box.

No. 39N203. Per dozen..... 8.82



Oh-Boy/ DELIVERY TRUCK *120

19½ inches long, 7½ inches high, 6½ inches wide Black chassis, grey body, red disc wheels, aluminum finished tires. Each in box.

No. 39N205. Per dozen..... 8.82

Oh-Boy/ ICE TRUCK *115

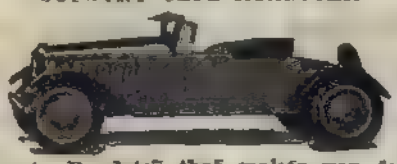
19½ inches long, 7 inches high, 6½ inches wide Green chassis and body. Red disc wheels, aluminum finished tires. Each in box.

No. 39N204. Per dozen..... 8.82

Friction Toys - with the Famous Gyro Motor

These Toys Made of Heavy Gauge Metal. Steel wheels, true and smooth running. Rubber tires standard equipment. Each model illustrated has the famous gyro motor. An exclusive feature found only in this make of friction toys. Each toy finished with best grade enamel obtainable. Tested, inspected and packed in separate carton.

COUNTRY CLUB ROADSTER



A Sporty Roadster that makes you feel like taking a ride. 18¼ inches long, 7½ inches high, painted orange, trimmed with black and having disc wheels colored red. Packed each in box
No. 39N225. Per dozen..... **16.00** Each .. **1.40**

VICTORIA COUPE

This Coupe looks like the real thing. Has rubber tires. Is 13⅛ inches long, 8 inches high. Painted blue trimmed with black and disc wheels colored red Packed each in box.
No. 39N224. Per dozen. **20.00** | Each..... **1.75**

AERIAL TRUCK

This truck appeals to all the children as by turning the crank the ladder on top raises up. The other ladders are also detachable. Has rubber tires. 36 inches long, 7½ inches high, painted red, trimmed black and gold. Packed each in box
No. 39N227. Per dozen..... **28.00** | Each..... **2.50**

INTER CITIES BUS

An Exact Imitation of the large busses seen all over the country. Has rubber tires. Comes in orange and also blue and trimmed in black and red Is 26 inches long and 7 inches high. Packed each in box
No. 39N226. Per dozen . **32.00** | Each. . **2.90**

Toy Pool Table

TOY POOL TABLES

These Pool Tables are made of heavy gauge metal, beautifully lithographed in mahogany color, covered with real green billiard cloth. The spring cues provided are a special feature. Each in box complete with 16 glass marbles, 2 spring cues and 1 metal triangle. Made in two sizes

Length, 12¼ inches.
Width, 8¼ inches
Height, 3½ inches.

No. 39N42.
Per dozen..... **7.84**

Length, 18¾ inches
Width, 11⅝ inches.
Height, 4 inches
Rubber cushions.

No. 39N51.
Per dozen..... **12.00**

Shooting Games

CRACK SHOT GAME

5¼-inch Eagle Style Metal Target. Red and yellow painted rings, nickel plated bell in center. Also a black enameled spring pistol that shoots with unusual accuracy. Each in carton. One dozen in package
No. 31N14. Per dozen..... **1.85**

WILDWEST GAME

A Combination Game and Shooting gallery. A big winner at the price. A double combination target, 13⅛ inches long, 4⅝ inches high and 3¾ inches deep. Made of metal brightly enameled in colors. Front screen decorated with animals, embossed around a central 3⅛-inch target with nickeled bell in center. Rear screen supports 5 numbered targets which fall back when hit. The pistol is black enameled steel and operates with a spring which projects a wooden ball very accurately for several feet. Each set complete in handsome display box die cut to represent circus cage.
No. 50N56. Per dozen sets..... **3.75**

The Last Word in candy—Home-Made

and here's the way We Make it:

FUDGE CENTER: 1½ cups pure cane sugar; ½ teaspoon creamery butter, 1 cup rich, full cream milk 1 cup corn syrup, white of one egg

CARAMEL LAYER 4 tea spoons creamery butter 1 cups corn syrup, 3 cups rich full cream milk teaspoon salt

PEANUT LAYER cups prime No 1 Spanish whole nuts roasted in oil (hulls removed

CHOCOLATE COATING. Melt one pound pure milk chocolate

There's nothing else like home-made candy. Ask anybody. Except, of course, Oh Henry! And the very reason Oh Henry! *IS* so good is that it's made the home-made way.

We tell the world how to make Oh Henry! because we are proud of the fact that it's made of the very things that come out of your own pantry — made just as you'd make it yourself. You *CAN* make it yourself! But *WHY* when you can walk up to any candy counter and say Oh Henry!

Oh Henry!

W 1 to 1925

Courtesy of John H. Dunham Co.

Four Color Process 133 Line Screen

A MODERNISTIC MAGAZINE ADVERTISEMENT

Engraved by COLLINS & INGLIS, INC. *Printed by* MARSHALL-JACKSON COMPANY

CHICAGO

Courtesy of John H. Dunham Co.

Four Color Process 120 Screen

A MODERNISTIC MAGAZINE ADVERTISEMENT

Engraved by COLLINS & INGLIS, INC. *Printed by* MARSHALL-JACKSON COMPANY

CHICAGO

AUTOMATIC INCUBATORS
OIL BURNING

Cannot Overheat, Cannot Underheat. Each Incubator Carries the Underwriters' Laboratories, Inc. Guarantee.

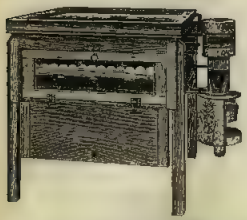
Produce the largest possible hatches of vigorous healthy chicks with labor, risk and cost reduced to a minimum. The patented Automatic Revolving Chute controls the temperature of the incubator, preventing overheating or underheating. A chute between the hot water boiler and lamp tilts back and forth, deflecting the heat to and from the boiler. This chute is attached to a thermostat inside the hatching cabinet and by expansion and contraction of this thermostat the chute is automatically controlled. As the temperature in the incubator goes above 103 degrees the thermostat expands, forces a lever which tilts the chute away from the boiler; if the temperature goes below 103 degrees the thermostat contracts, permitting the lever to slide back, tilting the chute in a nearly direct line between the boiler and lamp. Double wall and double corrugation cabinet construction of best grade California redwood. Top double wall and insulated. Legs are of heavy ash. Removable drawer front keeps chicks in nursery tray while door is open. Moisture condenses right at egg tray. Adjustable compensating locks on outside door assures tight fitting. Heavy double doors afford maximum protection. Solid molding, heavy screws and brass bound corners makes the Automatic always tight. Heating element of 14 ounce copper insures durability and perfect radiation. Is absolutely fireproof and carries the guarantee of the Underwriters' Laboratories Inc., which validates the insurance. Each incubator is furnished complete with tri-tested, guaranteed thermometer, one egg tester and full directions for operating. Burns kerosene. No. 3, 4, 5D, 7 and 10 Automatic Incubators are equipped with automatic egg turning trays.

DELAWARE No. 65, 160 and 220
65, 160 and 220 Egg

No.	65	160	220
Capacity, Eggs	65	160	220
Cabinet Length, Inches	21	27	33
Cabinet Width, Inches	18	27	31
Cabinet Height, Inches	12	12	12
Length, Overall, Inches	29	35	39
Floor Space, Inches	29x18	35x37	33x35
Weight Net, Lbs.	30	70	80
Weight Crated, Lbs.	93	110	135
Each	$18.00	$2.50	$6.75

One in a Crate

STANDARD No. 1 and 2

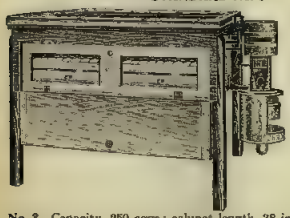


125 and 175 Egg

No.	1	2
Capacity, Eggs	125	175
Cab. Lth., In.	25	29
Cab. Wth., In.	29	33
Cab. Ht., In.	14	14
Lth. overall, In.	35	39
Floor Space, In.	35x30	39x33
Wt. Net, Lbs.	70	80
Wt. Ctd., Lbs.	110	135
Each	$39.50	44.50

One in a Crate

STANDARD No. 3



250 Egg
With Automatic Egg Turning Trays

Has wire partitions permitting operator to hatch different breeds at the same time.

No. 3 Capacity, 250 eggs; cabinet length, 38 inches; cabinet width, 35 inches; cabinet height, 14 inches; length overall, 46 inches; floor space, 48x35 inches. Net weight, 110 lbs.; weight crated, 170 lbs. ..... Each, $57.75

One in a Crate

STANDARD No. 4

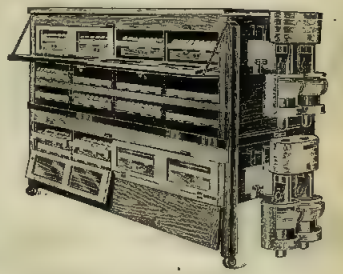
375 Egg
With Automatic Egg Turning Trays

Has wire partitions permitting operator to hatch different breeds at the same time.

No. 4 Capacity, 375 eggs; cabinet length, 55 inches; cabinet width, 35 inches; cabinet height, 14 inches; length overall, 65 inches; floor space, 54x35 inches. Net weight, 157 lbs.; weight crated, 215 lbs.. ..... Each, $75.00

One in a Crate

MAMMOTH JUNIOR PORTABLE No. 5D, 7 and 10



Two Hatching Cabinets; 500, 750 and 1000 Egg
With Automatic Egg Turning Trays

Double deck construction with cooling rack between cabinets. Mounted on heavy casters. Trays all on one side of machine. Cabinets have individual heating systems.

No.	5D	7	10
Capacity, Eggs	500	750	1000
Cabinet Length, Inches	33	55	73
Cabinet Width, Inches	35	35	35
Cabinet Height, Inches	14	14	14
Height Overall, Inches	52	52	52
Length Overall, Inches	48	65	83
Floor Space, Inches	48x35	54x35	83x35
Net Weight, Lbs.	320	420	535
Weight Crated, Lbs.	400	520	650
Each	$111.75	150.00	197.50

One in a Crate

NOTE: Gas burners can be furnished for automatic incubators when desired at a slight extra cost.
Entire Page Factory Shipment Only.

A BETTER CAR
A LOWER PRICE
$875
TWO-DOOR SEDAN
f. o. b. Lansing
Never before has Oldsmobile been so thoroughly desirable, so smartly impressive as it is today.
To all those qualities which established it as a top value in the $1000 field, are now added new smartness, new luxury, new comfort, new beauty, smoother performance and thrilling smoother performance.
And the amazing thing about it is that all this has been added along with lower prices.
Formerly $950, today the smarter,
finer Oldsmobile Two-Door Sedan is economically priced at $875!
All through the whole range—from this smaller cherry roadsters—something to high value given!
These are the facts—but please, could keep that fall for sheer of motoring pleasure when you see unusually impressive Oldsmobile for yourself this latest Oldsmobile triumph—a better car at a lower price.
OLDSMOBILE SIX

* The manufacturer's basic policies and underlying resources outweigh all other considerations in determining the desirability of a dealership.

And in this light, Oldsmobile's latest triumph assumes great significance. The Oldsmobile policy . . . "that the American family may have, at a moderate investment, a car that gratifies their finer tastes as well as satisfies their every need" . . . is once more unmistakably confirmed *as a policy pledged to progress.*

For Oldsmobile has presented, in a manner remarkable even for General Motors, that rare achievement of value giving—*a better car at a lower price!*

OLDSMOBILE SIX

PRODUCT OF GENERAL MOTORS

This advertisement appeared in the Saturday Evening Post and many other magazines.

*"$1000 Value Now $875," is what we said, giving the news of Oldsmobile's new lower prices.

"$1500 Value," dealers insist we should have said. But $1000 or $1500, whatever the value then, Oldsmobile today, with new smartness, new luxury, new colors and thrilling smooth performance is a greater value still—

A value, at the new low price, that is attracting ever-increasing numbers to Oldsmobile showrooms, and proves by actual sales that Oldsmobile is entering into a new era of popularity at a price which appeals to a tremendous market.

OLDSMOBILE
SIX
PRODUCT OF GENERAL MOTORS

OLD HICKORY

PORCH and LAWN FURNITURE

All Pieces Shipped Set Up Ready to Use

There is nothing like Old Hickory Furniture to give to Lawns and Porches that staid, old fashioned home-like charm. It has a warmth of welcome, an air of permanency and stability that [illegible] Our [illegible]

Every piece of Old Hickory is built of carefully selected SANDED [illegible] each piece [illegible] (on the better suites) are woven from pliant, resilient weaving strips.

This quaint furniture fills every demand for outdoor use, beauty, comfort and genuine economy.

The pieces are [illegible] in artistic designs, they are properly proportioned for utmost comfort and Mother Nature makes them practically everlasting. No paint or varnish to dull, fade or injure the [illegible] finish. Impervious to rain, sun and weather. Easy to clean—just turn on the hose.

Low In Price! Attractive! Comfortable!

These pieces will meet the requirements of [illegible] for attractive, comfortable and substantial pieces at low prices. All pieces carefully packed.

Chair

P7801—[illegible] back, [illegible] Set up, about 21 lbs. [illegible] **$3.60**

Rocker

P7800—[illegible] back, [illegible] Shipped, set up, about 25 lbs. Each **$4.40**

Settee

P7802—18 in. back, seat 38x16 in. Set up, about 30 lbs. Each **$7.75**

Swing

P7803—20 in. back, seat 48x18 in. chains and hooks. Set up, about 51 lbs. Each **$9.25**

Table

P7804—24 in. solid oak top, 30 in. high. Set up, about 36 lbs. Each **$6.75**

WOVEN Back! Extremely Comfortable Yet Low in Price!

The [illegible] of the woven seats makes these pieces [illegible] Note also the [illegible] construction of the table.

Chair

P7701—23 in. back, seat 18x16 in. Set up, about [illegible] lbs. Each Out

Rocker

P7700—23 in. back, seat 18x16 in. Set up, about 24 lbs. Each **$5.95**

Settee

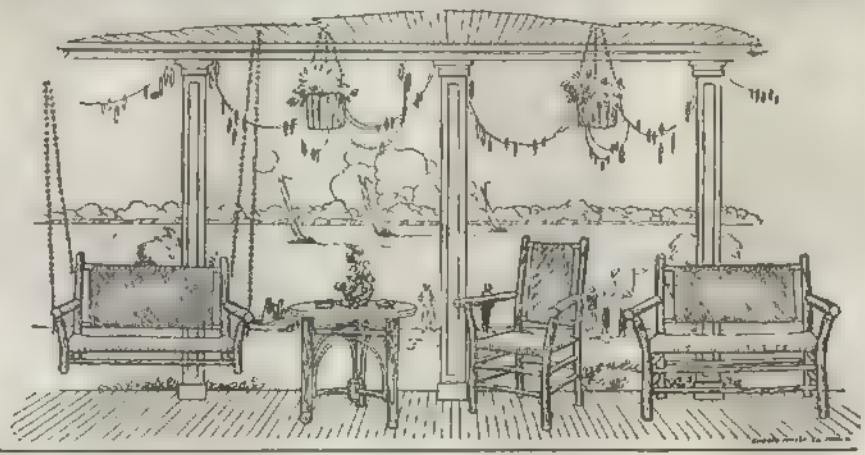
P7702—[illegible] back above [illegible] seat 38x16 in. Set up, about [illegible] lbs. Each **$10.95**

Swing

P7703—21 in. back, seat 48x18 in. chains and hooks. Set up, about 55 lbs. Each **$12.50**

Table

P7704—30 in. solid oak top, 30 in. high. Set up, about 68 lbs. Each **$11.25**



The Celebrated "Andrew Jackson" Suite

An especially attractive design built to give [illegible] comfort. The WOVEN backs and [illegible] contrast with the [illegible] and easy curves of the arms and backs are rest and relaxation.

Chair

P7706—[illegible] back, seat 17x15 in. Set up, about 19 lbs. Each **$5.90**

Rocker

P7705—[illegible] back, seat 17x15 in. Set up, about 18 lbs. Each **$6.65**

Settee

P7707—[illegible] back, seat 36x16 in. Set up, about [illegible] lbs. Each **$14.50**

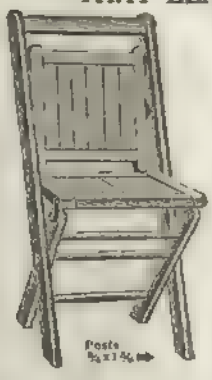
Swing

P7708—[illegible] back, seat 48x18 in. chains and hooks. Set up, about [illegible] lbs. Each **$16.25**

Table

P7709—[illegible] top, [illegible] high. Set up, about [illegible] lbs. Each **$12.25**

THE FOLDING CHAIR THAT LEADS IN SALES!



Most comfortable Wood Folding Chair we know of, and it is built to withstand abuse. Will not tip. For outdoor use as well as for homes and public gatherings.

Solid Panel Seat and Back

Hardwood—Folds flat and locks [illegible] seat 18x[illegible] from [illegible] from [illegible] by doz. in [illegible]

P1807—Natural finish, varnished.
Doz. $13.75
6 doz. or more Doz. $13.50

Posts ⅝x1⅝ in.

FOLDING CHAIRS

Hardwood: Three-ply veneer seat, folds flat and locks—will not tip back 18 in., seat 18x13. Wrapped, ½ doz. in bdl. [illegible]

P1601 Natural Finish Doz. $12.00

"STAR MORE"—Bentwood frame [illegible] high [illegible] wide, [illegible] in. high, [illegible] slip [illegible] quality [illegible] 10 x [illegible] quality [illegible] and [illegible] ordinary [illegible] in carton

P1804—Natural Finish Doz. $28.00

Look About You—

Do you see a single "Overstock" that you ordered from "Our Drummer"?

You didn't Order those Overstocks.

They were Sold to You!

WIRE SODA FOUNTAIN FURNITURE

Frames ⅛ in. round steel wire, antique copper finish, seats and table tops veneer

Chairs—Height to seat 18 in., seat 14 in., back 18 in. 2 in pkg., 22 lbs.
P2105—Quartered oak, golden
P2106—Birch, mahogany finish
Each $1.45

Counter Stools—Revolving. Regulation height, 26 in., seat 12½ in. 3 in bdl., 20 lbs.
P2113 Quartered oak, golden
P2114 Birch, mahogany finish
Each $1.25

Tables—Regulation height 30 in. Crated, knocked down.

Quartered Oak, Golden	In Lbs.	Each	Birch, Mahogany Finish.	In Lbs.	Each
P2107—24	31	$4.00	P2116—24	31	$4.00
P2109—30	45	$5.50	P2118—30	45	$5.50
P2111—36	56	$7.00	P2112—36	56	$7.00

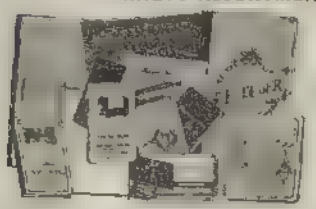
STEEL FOLDING CHAIR

Needed in most homes and in practically all public places, excellent bridge or extra chair, splendid for store rest rooms.

Mahogany Grained Finish. Heavy steel, [illegible] back, [illegible] [illegible] steel [illegible] [illegible] [illegible]

MEMO BOOKS, ACCOUNT BOOKS, ETC.

VARIETY ASSORTMENT



Large assortment of styles, sizes and prices in memo books, miniature pocket diaries, combination memo and pocket diaries, memo books with pencil, etc.

Each 3½c
Total $2.50

BOUND MEMO BOOKS

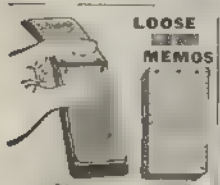
Vest Pocket Size—2¼x4½ in., 50 pages fine grade paper, $ and c ruling, 2½x4½ in. board cover, 1 doz. in pkg.
$3810 Red Imitation Leather Cover
$3811 Black Imitation Leather Cover
Doz 32c

Imitation Black Cover—3½x5½ in., 120 pages, good grade white wove paper, $ and c ruling, red edges, 1 doz. in box.
$3814 Side opening
$3815 End opening
Doz 39c

Vest Pocket Style—2¾x4½ in., 100 pages, red limp leather cover, fine white wove paper, $ and c ruling, red edges, 1 doz. in box.
$3817—Side opening
$3818—End opening
Doz 75c

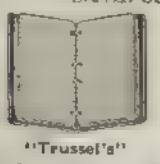
Black Grain Leather Cover—3¼x5¼ in., 96 pages of wove paper, turned-in tooled edges, fine white wove paper, $ and c ruling, red edges, 1 doz. in box.
$3819—Side opening
$3820—End opening
Doz 75c

LOOSE MEMOS



"New Trussel" Open end 2¾x5¼ in. genuine full Cowhide leather back, 60 sheets white wove paper, ruled with 3 wide and 4 narrow ruled spaces, 2 rings for memo sheets, 1 pkg. of memo sheets, 1 pencil, 1 doz. in display carton.
$3417—1 doz. in box with display card Doz $1.75

Extra Leaves — For $3417, faint ruling, 40 leaves in pkg.
$3418—1 doz pkgs. in box
Doz pkgs 65c



"Trussel's"

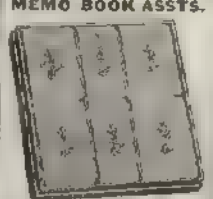
Imitation Morocco Leather Cover—3¼x5¼ in., 96 pages, white wove paper, $ and c ruling, open end, nickel ring fittings, 36 sheets faint ruled. Uses standard punched sheets. ½ doz. in box.
$3825—End openings
Rings, takes sheets 3x5
Doz $1.95
$3826 — Side opening (4 rings) takes sheets 4x6
Doz $2.50

Extra Leaves For ... can be used in all makes of memos. 2 doz. fillers in pkg.
$3827 3x5 (fits $3825)
$3828 4x6 (fits $3826)
Doz 65c

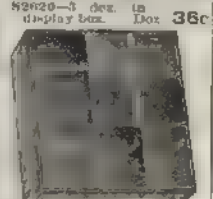
INDEXED MEMO

—Open Side
$ and c ruling.
$2580—3¼x5½ in., 100 pp., ... 1 doz. in pkg.
$3710—80 pp.
Doz 82c

MEMO BOOK ASSTS.



Pressboard — 3¼x5½ in., 100 pp., ... $2620—4 doz. in display box.
Doz 36c



4and Styles — 3¼x5½ in., 192 pp., 2 doz. in display box.
$2621 Assortment
Display Box Free 69c

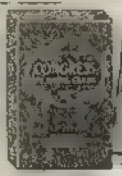
$2704—6 styles, 8 each open side and end of the following sizes and styles: 3¼x5½ in., ... Full Duck ... Full Leather ... Cowhide ... Cowhide ... Cowhide

PLAYING CARDS and ACCESSORIES

BRIDGE PLAYING CARDS & ACCESSORIES

BRIDGE CARDS—Size, 2½x3½

"Colonial"—Smooth finish card stock. Assorted red and blue backs.
$844—Assid. 1 doz. in box.
Doz **$2.25**



"CONCHESS"—Extra quality, air cushion finish, gold edges. Linen finish card stock. Assorted red and blue backs. Assorted designs on backs and sides. Each design in box sold separately.
$6606—Assorted backs, gold edges. Illustrated box, 1 doz. assorted backs, design in each box.
Doz **$7.80**
$6606K—Same as #6606 but with gold edges, 1 doz. packs, assorted backs, design in each box. One pack in box.
Doz packs **$7.80**

"Eagle"—Good quality, heavy stock, smooth finish, round corners, assorted red and blue backs, assorted designs on backs.
$1940—Assid. 1 doz. in box.
Doz **$2.60**

"STAR VALUE BRIDGE"—Linen finish, assorted red and blue backs, assorted designs on backs.
$129—Assid. 1 dz. in box.
Doz **$3.25**

"BLUE RIBBON"—Extra quality linen finish, assorted red and blue backs, assorted designs on backs.
$121—1 doz. in box.
Doz **$4.20**

SCORING PENCIL

$630—"Bridge," made by Eagle Pencil Co., 4½ in., round, medium soft lead, green enamel finish, gold band and black tip, assorted red and blue backs, Bridge Table Indicator, printed on backs and front, 1 doz. in box.
Doz **36c**

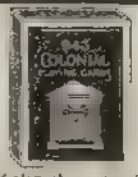
SCORE TABLETS

"Auction Bridge" Tablets—New designs and new styles of 80 sheets, perforated and stapled, 50 different designs, assorted colors, printed in red ink. Black card cover, attractively printed and round corners.
$2691—1 doz. pkg.
Doz **40c**

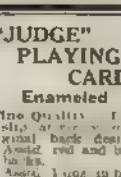
"Hy Tone" Bridge Tablets—Ruled and printed with 50 different designs, assorted colors, 80 sheets, perforated, 4 pads in box, sheets and cover in one piece, card cover attractively printed in red and black.
$2388—1 doz. in counter display box.
Doz **72c**

PLAYING CARDS

"JUDGE" PLAYING CARDS
Enameled
Fine Quality—Easy slip, air cushion finish, ornamental back design, assorted red and blue backs, assorted designs on backs.
$963—Enameled finish.
Doz **$3.00**



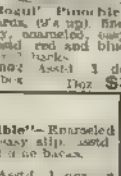
"Colonial"—Special smooth finish card stock, assorted red and blue backs.
$948—Assid. 1 doz. in box.
Doz **$2.25**



Blue Ribbon—Best quality linen finish, assorted red and blue ornamental backs.
$323—Assid. 1 doz. in box.
Doz **$4.50**

"Bicycle"—Red and blue backs. Assid. 1 doz. in box.
$808—Ivory finish.
$809A—Air cushion finish.
Doz **$4.50**

"Bicycle" Pinochle—48 cards, 9's up), red and blue backs, ivory finish.
$45—Assid. 1 doz. in box.
Doz **$4.50**



"Uncle Sam"—Enameled and air cushion finish, red and blue backs. Assid. 1 doz. in box.
$995—Poker or regular deck.
$1095—Pinochle deck (48 cards, 9's up).
Doz **$3.15**

"Steamboat"—Popular back design.
$999—1 doz. in box.
Doz **$3.00**

"Mogul" Pinochle—48 cards, (9's up), fine quality, enameled, easy slip, assid. red and blue marginal backs.
$802—Assid. 1 doz. in box.
Doz **$3.85**

"Invincible"—Enameled finish, easy slip, assid. red and blue backs.
$990—Assid. 1 doz. in box.
Doz **$2.45**

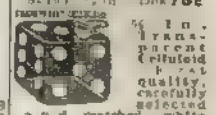
POKER CHIPS

Assid. 100 in Box—50 white, 25 red, 25 blue.
ACE BRAND—Paper, composition.
$928—1 box.
Per 100 **50c**
"ANCHOR BRAND"—Composition, pearl finish.
$911—1 box.
$911—1 box.
55c
85c

DICE

French Bone—Best quality black spots, square corners, 100 in box.
$8216—½ in.
$8218—⅝ in.
Per 100 **$1.50**
Per 100 **$2.00**

White Celluloid—First quality perfectly cut and matched, black spots, round corners, 1 doz. in box.
$2191—½ in.. Doz **55c**
$2192—⅝ in.. Doz **70c**
$2193—¾ in. Doz **75c**

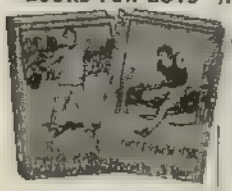


⅝ in., translucent celluloid, best quality, carefully selected and matched, white spots, round corners, 1 doz. in box.
$2196—Red
$2199—Green
Doz **72c**

SCHOOL BOOKS

POPULAR FICTION

BOOKS FOR BOYS PAPER COVERED NOVELS



Attractive covers in colors, books about 7½x5, good clear type.

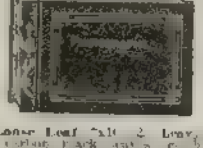
"Aiken"—7½x5, stiff board covers, attractive colors, titles in Boy Detective from Home, Sink or Swim, etc.
$8690—Assid. 2 doz. in pkg.
Doz **$1.08**

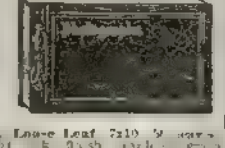
Western & Adventure—Average 230 pages, popular western stories and boys' books of adventure, all titles, bright colored covers, desirable to carry.
$8114—Assid. 3 doz. in carton.
Doz **$1.15**

"Boys' Adventure"—Full cloth cover, jacket, 320 pages of stories of adventure, fun and fact, boys, Merry Thumb, Aeroplane Boys, etc.
$8718—Assid. 1 doz. in pkg.
Doz **$3.90**

"Hart" Stories—5¾" average, 192 pages of stories of such famous characters as Mary of Plymouth, Deerfoot in the Hands of Enemies, Deerfoot in the Forest, Deerfoot on the Prairie, assid. 25 to pkg.
$4116—Series "A."
$4117—Series "B."
Each **9c**

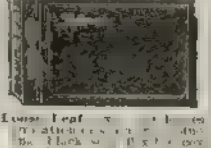
PHOTO ALBUMS

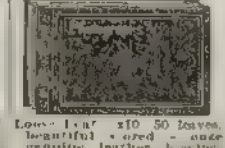




Loose Leaf, 7x10, 25 leaves, black cover, gray and black leaves, assorted designs on covers, 60 illustrations, cord.
$2229—1 box.
Doz **$4.00**

Loose Leaf, 7x10, 50 leaves, black cover, gray and black leaves, assorted designs on covers, 60 illustrations, cord.
$2214—1 in box.
Each **$1.05**





Loose Leaf, 7x10, 50 leaves, beautiful colored cover, genuine leather back, gilt title.
$5529—1 in box.
Each **75c**

Loose Leaf, 7x10, 50 leaves, beautiful colored cover, genuine leather back, gilt title.
$5586—1 in box.
Each **$1.65**

Permanently Bound, 7x10, 40 leaves, black linen paper, silk finished, gilt edges, gilt ruled borders, silver ruled ink, gilt title.
$6210—1 doz. in pkg.
Doz **$4.10**

ART CORNERS

"Engel"—Heavy, black paper, gummed, with scroll design, can be used for all sizes of photos.
$2320—50 envelopes in carton.
Cartons **$3.00**

COPYRIGHT CLOTH BOUND FICTION

Well known authors, cloth bound, 12 mo. bright color illustrated jackets.

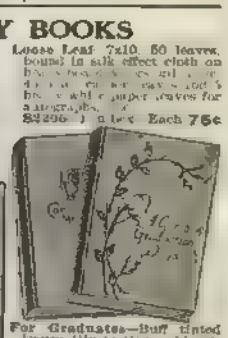
$8091—Lost, The
$8094—Silver Lover, The
$8095—Freckles
$8096—Girl of the Limberlost, The
$8097—Laddie
$8098—Michael O'Halloran
$8099—Master Skylark

1 to 49 books, Each **53c**
50 to 99 books, Each **52c**
100 or more books, Each **50c**

MEMORY BOOKS

Loose Leaf, 7x10, 50 leaves, bound in silk effect cloth and boards, assorted colors, gilt title, contains 100 sheets of linen finish paper, 50 white and 50 assorted colors, 50 white paper leaves for autographs.
$4296—1 in box.
Each **75c**

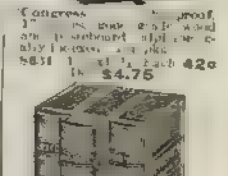
Loose Leaf, 7x10, 50 leaves, bound in "Spanish" grain cover, gray and dark brown, wrought iron design, leather tips, for autographs, photos, programs, etc.
$2004—1 in box.
Strictly **$1.25**
Doz. **$14.00**



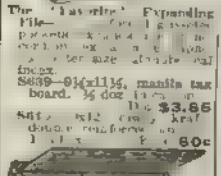
For Graduates—Buff tinted linen, illustration and heading in gold, 50 pages of linen finish paper, space for autographs, 1 doz. in box.
$4411—A Girl's Graduation Days, gilt title, gray cover.
$4300—Graduation Memories, gilt title, gray cover.
Each **$1.25**
Each **$1.50**

INDEXED LETTER FILES

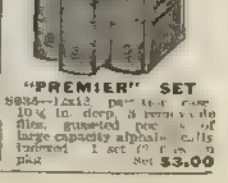
The "Favorite" Expanding File—Cloth backs, pressboard corners, assorted colors, 12 guides, 31 leaves, size 4¾x6¾, alphabetical index.
$8339—9½x11½, manila tag board, ½ doz. in box.
Doz **$3.85**
$8340—9½x11½, extra heavy, 60 guides, 31 leaves.
Each **60c**



"Congress"—Waterproof, 10" wide, 6½" high, assorted colors, 3 divisions, 1 alphabet.
$831—1 doz. in box.
Each **42c**
In box **$4.75**



Electric Light Arms, 17 leaves, wood back, pasteboard sides, paper covered, indexed right and left.
$8340—1 doz. in shipping case, 25 lbs.
Doz **$3.80**



"PREMIER" SET
$8335—12x13, partitioned, 10¾ in. deep, 3 removable files, guarded pressboard, of large capacity alphabetically indexed, 1 set (2 files) in pkg.
Set **$3.00**

OLYMPUS

The Supreme Achievement in Motor Cars

A BOOKLET COVER IN FOUR COLORS

150 Screen Four Color Process Plates

Designed and Printed by
KOHN & POLLOCK, INC., Baltimore, Md.

Engraved by
BALTIMORE MARYLAND ENGRAVING CO.

EDWIN TUNIS, *Artist*

TABLE LAMPS FOR ALL PURPOSES

Ivory Polychrome Finish, Oval Base. Height 14½ in. completed with push-thru socket 6 feet cord, two piece plug, glass tear drops.
Shade, oval hand-decorated. Beaded parchment, pheasant decoration.
H6626. Complete **$8.00**

Black decorated 1 light Vase, with harp holder and finial. Height 16 inches.
Shade, oval hand-decorated. Beaded parchment shade, pheasant decoration, ruching top and bottom.
H6627. Complete **$17.00**

Two Light Lamp, French bronze finish. Genuine marble base, height 27 inches. Equipped with extension and adjustable cluster
Shade, oval georgette, tangerine silk lining, apple green georgette outside.
H6628. Complete..... **$72.00**

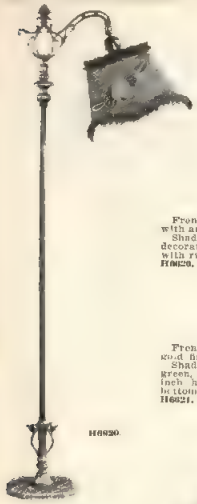
Lamp completed with silk lined shield. Finished in silver or gold plate. Height 14 inches. Shields fined in rose, gold or blue.
H6629. Complete.....**$8.50**

Bird decorated 2 Light Vase, black background. Cast metal base and peacock finial. Height 22 in.
Shade for above oval beaded parchment, ruching top and bottom. Pheasant decoration. Hand decorated.
H6630. Complete.....**$26.00**

Desk Lamp. Finished antique bronze complete with green, white lined half shade. Height to elbow 9 inches.
H6631. Complete..... .. **$7.00**

For Index, See Pages 279 to 281

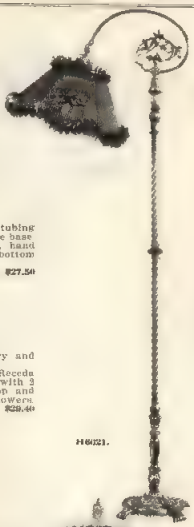
THEIR SUBDUED LIGHT LENDS CHARM TO THE HOME



Bridge Lamp

French antique grey reeded tubing with antique gold and polychrome base
Shade 13 in. oval parchment, hand decorated trimmed top and bottom with ruching and flower spray
H6620. Complete, each..... **$27.50**

H6620.



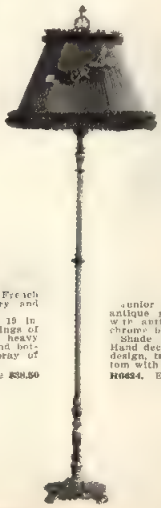
Bridge Lamp

French antique grey, mulberry and gold finish
Shade, fancy, round 12 inches. Reeda green, two linings of tangerine with 2 inch heavy pleated ruching, top and bottom trimmed with spray of flowers.
H6621. Each Complete..... **$29.40**

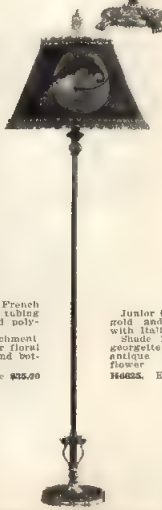
H6621.

Bridge Lamp

Antique gold and polychrome finish with Italian red shaft
Shade 12 in. oval Black georgette over rose lining, antique gold ruching and flower
H6622. Each Complete **$19.50**



Junior 61 in. high French antique grey, mulberry and gold finish
Shade fancy, round 15 in. Reeda green, two linings of tangerine with 2 in. heavy pleated ruching, top and bottom, trimmed with spray of flowers.
H6623. Each Complete **$38.50**

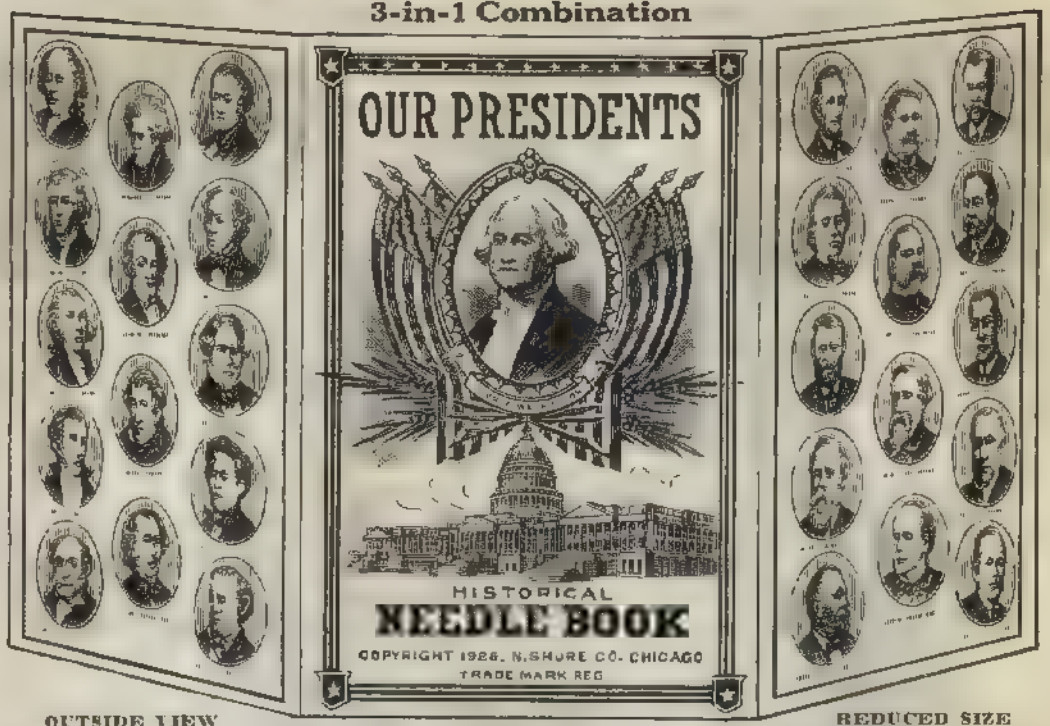


Junior 60 in. high French antique grey, reeded tubing with antique gold and polychrome base
Shade 18 in. parchment Hand decorated bird or floral design, trimmed top and bottom with ruching.
H6624. Each Complete **$35.00**

Junior 60 in. high Antique gold and polychrome finish with Italian red shaft
Shade 18 in. oval Black georgette over rose lining, antique gold ruching and flower
H6625. Each Complete **$34.50**

Our Presidents Needle Book

3-in-1 Combination



OUTSIDE VIEW

REDUCED SIZE

REDUCED INSIDE VIEW SHOWING CONTENTS

Read This—

Our Presidents, the world's best combination 3 in 1 needle book and handy historical reference. In 1909 we created the original Army & Navy needle book which for sales, has surpassed anything that has ever been put on the market. It has always been our aim to bring out something entirely different and we believe that the above needle book will fill a long felt need for something better. We are justly proud and we feel sure that after you have made a careful examination of the lithographing, general make-up and the all gold-eye needle feature, you too will share our enthusiasm. For the Premium user it has the appearance of a $1.00 value.

Each in individual envelope marked as follows: Introductory Price, 50c

Contents—All Gold-Eye Needles

4 papers 10 needles each, assorted 1-5, 3-9, 4-8, 5-10.
1 wide paper, 20 count assorted 3-9.
1 blue steel flat Lodkin gold-eye and tip.
3 gold eye crewel or embroidery needles
12 darners, assorted sizes.

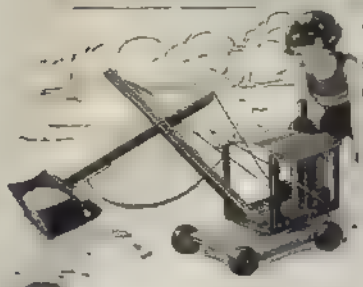
Per Gross **11.50**

No. 22D53

Per Dozen **1.00**

Note! After all the needles have been used, the cover may be framed. In order to show exactly how it will look, we will, for a limited time, include ABSOLUTELY FREE with each initial order of 1 gross, a handsomely framed picture showing the cover design. This frame is complete with glass front and measures about 8½x11 inches.

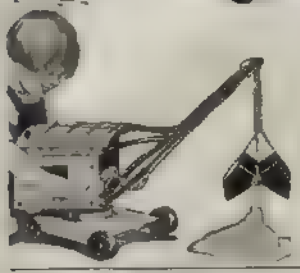
STEEL TOYS FOR OUTDOOR USE



"SAMPSON" STEEL TOYS

Sold by Butler Brothers only

Steam Shovel—5 x 4½ [illegible] 1F2531 [illegible] lbs. Doz **$7.50**



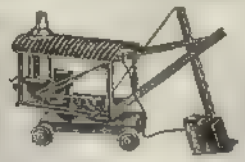
Coal Bucket Crane [illegible] 1F2530—4 doz. in box. Doz **$7.50**

STEEL TOY CONCRETE MIXER

1F2492—7x4x7 heavy metal, red, blue gray and yellow finish, disc wheels 3½ in., revolving mixer 5 in. chute raised by crank. ¼ doz. in pkg. Doz **$8.00**

"KEYSTONE" HEAVY DUTY STEEL TOYS

The biggest selling line of heavy duty steel toys—large sizes, heavy gauge steel, trucks will support 200 lbs. or more



20¾ In. Long

1F2480—1M Mfrs. 511 Steam shovel, [illegible] Each **$2.67**

26 In. Long

1F2497—Heavy duty dump truck [illegible] Each **$3.75**

26 In. Long

1F2495—Mfrs. 511 American Railway Express [illegible] Each **$4.66**

27½ In. Long

1F2499—Mfrs. 511 Police patrol, [illegible] Each **$5.00**

26 In. Long

1F2496—1Mfrs 511 Packard dump truck, 26 in. long [illegible] Each **$4.83**

27½ In. Long

1F2498—Mfrs 511 Packard fire truck, [illegible] Each **$6.00**

NURSERY GOODS

BABY WALKERS

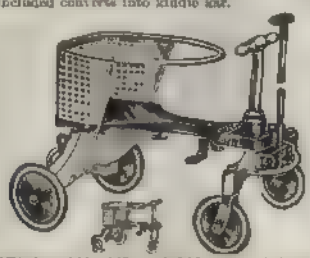
Each with nickel plated bell. For children less than 1 year and up to 2 years of age.

1F1044—17 in. red enameled seat board, 8 in. from floor, red enameled rear disc wheels ¾ in., rubber tires, swivel front casters, steel braces. 2 in carton, 13 lbs.
Each **$2.10**
12 or more. Each **2.00**

1F1045—17 in. seat board 8½ in. from floor, ivory enameled loom woven fiber, red steel gear and bearing, rear disc wheels, swivel front disc wheels, ¾ in. rubber tires, rubber covered bumper. 1 in carton, 10 lbs.
Each **$3.95**

"KIDDIE KAR" STROLLER
Manufactured by H. C. White Co.

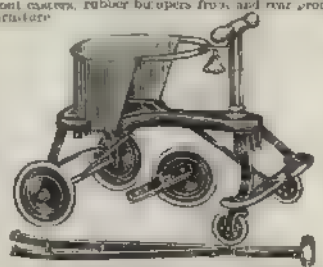
Handle which snaps into secure position and additional brace permits car to be pushed up curbs, etc., from rear. Extra equipment included converts into kiddie kar.



1F1035—Mfrs. 1953 13x9 blue enameled seat board, ivory painted reed back rest, rubber protecting ring and bumper strip, 6 and 4 in. disc wheels, ¾ in. rubber tires. 1 in carton, 9 lbs.
Each **$4.00**

"DE LUXE" WALK-ABOUT BABY BIKES

Combination baby bike and stroller. Four wheel rear set provides tipping, rubber tired swivel front casters, rubber bumpers front and rear protect furniture.



18 in. [illegible] seat, 31 in. from floor, cream enameled steel frame, hand brake, rear wheels 14 in. steel spoke, rubber tires, rear rail, double [illegible] rear wheels, swivel front wheels, nickel plated bell. 1 in carton, 14 lbs. Each
1F1050—Mfrs. 1953 De Luxe bike **$3.50**
1F1051—Mfrs. 1953 [illegible] with spare front wheel [illegible] Junior bike. Each **$3.75**

NURSERY CHAIRS

1F1618—24 in. high, 11x12 seat, enameled hardwood swing seat tray, ¼ doz. in bundle. 10 lbs.
Doz **$10.75**

1F1625—[illegible] in. high, 11x11 in. seat, [illegible] enameled [illegible] yellow and green [illegible] tray. 1 in carton, 8 lbs. Each **$2.25**

1F1628—Loom woven fiber, 16 in. high, 10x11 seat, loom woven fiber, ivory enameled with blue trim, porcelain insert. 1 in carton, 10 lbs.
Each **$4.50**

KINDER-GARTEN CHAIR

Regulation style and size for schools.

28 in. high, 12x13 seat, shaped legs, bow back, ¼ doz. in carton, 15 lbs.
1F928—Red enameled
1F926—Natural
Doz **$18.00**

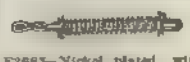
RED CHAIRS AND ROCKERS

24 in. high, 11x11 seat, painted [illegible] red, varnished and striped. ½ doz. in carton, 16 lbs.
1F655—Chair Doz **$8.50**
1F656—Rocker **9.25**

BABY SWINGS

Washable white duck enameled steel frame, strong web straps, each in box with envelope and complete with screw hooks.
1F1681—Without back rest, ½ doz. in pkg.
Doz **$7.75**
1F1682—With head or back rest, which can be quickly [illegible] frame of seat when not in use. ½ doz. in pkg.
Doz **$10.00**

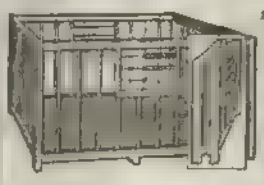
SPRING FOR BABY SWING



1F1685—Nickel plated, with safety [illegible] to prevent breakage caused by overload or abuse, each in envelope. ½ doz. in pkg.
Doz **$1.75**

BABY FOLDING PLAY YARD

Easily folded. Can be carried in automobile. Note that this has floor



1F1040—40 in. [illegible] 30 in. wide, [illegible] in. high folds compactly, round dowel sides, ivory enameled top, with [illegible] on two sides, blue enameled, slotted floor [illegible] in. high.
Each **$6.75**

"GO-BYE" AUTO SEAT

Something New for Baby

[illegible] to [illegible] front [illegible] rear [illegible]

1F1030—[illegible] seat [illegible] in. back, gray enameled [illegible] with [illegible] [illegible] [illegible]

DOLLS AND DOLL CARRIAGES

IMPORTED CHINA DOLLS

2F9780 — 1½ in. 1 gro. in box. Gro **32c**

2F9482 [illegible] Dozen **40c**
Gro **$4.00**

2F9471 [illegible] box. Dozen **75c**
Gro **$8.50**

2F9473—8½ in. 2 doz. in box. Dozen **84c**
Gro **$9.60**

CHINA LIMB DOLLS

[illegible] Dozen **42c**
Gro **$4.80**

2F9480 [illegible] in box. Dozen **75c**
Gro **$8.50**

2F9473—8½ in. 2 doz. in box. Dozen **84c**
Gro **$9.60**

CELLULOID DOLLS IN SLEEPING BAGS

Jointed arms, character [illegible] 1 doz. in box. Dozen **80c**

BISQUE DOLLS

Flesh tinted bodies, painted features,

2F9730 [illegible] Dozen **78c**
Gro **$9.00**

NOVELTY COMPOSITION DOLLS

Flesh tinted composition body, painted features, jointed arms. Can be used for favors

2F6773 The Flirt, 7 in. [illegible] Dozen **95c**

2F6786 Coquette," 7 styles [illegible] Assid. 1 doz. in pkg. Dozen **95c**

1F6030—3 in. doll, 4½x3 sleeping bag. 2 doz. in box. Gro **$9.60**

1F5031 6 in. doll, 7x4 sleeping bag. 1 doz. in box. Doz **$2.00**

1F5043 6 in., colored baby doll, 7½x4 sleeping bag. 1 doz. in box. Doz **$2.00**

Twins

1F5033—Two 4 in. dolls, 5x3½ sleeping bag. 1 doz. sets in box. Doz sets **$1.90**

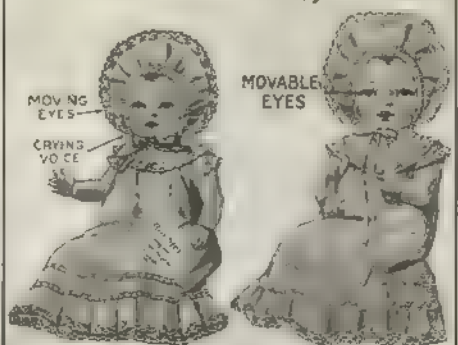
1F5044 Two 6 in. dolls [illegible] 1 doz. sets in box. Doz sets **$4.00**

Colored Twins

1F5042 Two 5 in. colored dolls, red painted shirts, 5½x3¼ sleeping bag. 1 doz. sets in box. Doz sets **$1.90**

"BUBBLES" Baby Doll

Famous "Effanbee" Doll That's Always In Demand



"Bubbles" "Effanbee Baby Doll" [illegible] 1F5432 [illegible] Doz **$24.00**
1F5434 [illegible] Each **2.65**
1F5436 [illegible] Each **3.50**

CHINA DOLL IN BASKET

2F9690—4 in. [illegible] Gro **$1.75**

PAINTED CELLULOID DOLLS

2F9685—2½ in. [illegible] Gro **$2.40**

Jointed arms, painted features and hair, red band around head

2F9430—3½ in. 2 doz. in box. Doz **35c**
Gro **$4.00**

2F9434 6 in. 1 doz. in box. Doz **84c**
Gro **$9.50**

Jointed arms and legs, painted features and hair

2F9428 4 in. 2 doz. in box. Doz **38c**
Gro **$4.25**

2F9429—5½ in. 1 doz. in box. Doz **78c**
Gro **$9.00**

"Newly Born" Babies. Sitting position. Jointed arms and legs painted hair and features. 2 doz. in box

2F9391 [illegible] Doz **45c**
Gro **$5.00**

2F9392—5 in. Doz **80c**
Gro **$9.00**

2F9527 — 6 in. Jointed arms. Painted features and hair. [illegible] Doz **89c**
Gro **$10.00**

CELLULOID DOLL ASSORTMENTS

Painted features and costumes

2F9681—12 styles, 2½ in., [illegible] Assd. [illegible] Gro **$3.20** Doz **28c**

2F9531—6 styles, average 4 in. some with jointed arms. others with painted arms and legs. Assd. 2 doz. in box. Doz **42c**
Gro **$4.80**

2F9532—6 styles, average 5½ in. some with jointed arms, others with painted arms and legs. Assd. 2 doz. in box. Doz **85c**
Gro **$9.60**

BABY DOLLS IN BLANKETS

With Crying Voices

1F5391—11 in. unbreakable [illegible] Assd. 1 doz. in box. Doz **$4.00**
Gro **$46.00**

OUR TERMS

2% 10 DAYS
1% 30 Days
Net 60 Days

DRESSED DOLLS With Crying Voices

1F5046 [illegible] full composition [illegible] painted features, crying voice [illegible] and rompers, lace trimmed. Assd. ½ doz. in box. Doz **$4.00**

1F5044—3 styles, 20 in. unbreakable composition head and arms [illegible] jointed body and legs, loud crying voice, [illegible] Gro **$7.75**

UNBREAKABLE DOLLS

1F5025—2 styles, about 12 in., indestructible [illegible] Gro **$23.50**

SOFT BODY DOLL

"Little Tots"—9 in., stuffed multi color litho [illegible] 1F5250—1 doz. in box. Doz **80c**

WOVEN NARROW FLAT FIBER DOLL CARRIAGES

Adjustable hoods, black enameled steel gears and springs, finely finished and shellacked bodies, black turned wood handles. Packed in strong cartons.

21½ in. high, 16½ in. long, 8½ in. wide, 9 in. wheels, rubber tires, 8 in carton, 9 lbs.

1F310 Natural finish
1F313 [illegible]
1F314—Gray finish
1F306—Blue finish } Each **$1.85**

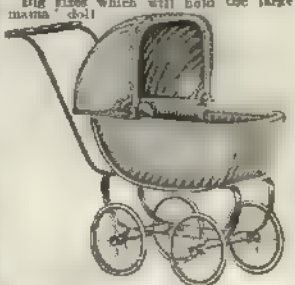
2½ or more Each **$1.75**

25½ in. high, 18½ in. long, 10½ in. wide, roll on hood, 7 in. wheels, rubber tires, 1 in carton, 10 lbs.

1F343—Natural finish
1F344 Blue finish
1F345—Gray finish
1F346—Tan finish } Each **$2.75**

LOOM WOVEN ROUND FIBER DOLL CARRIAGES

Big pram which will hold the large mama doll



[illegible] high, 18½ in. long, 10 in. wide, round fiber body and hood, braid trim on hood, reed top bands, steel gears, 10 in. wheels, rubber tires, nickel hub caps, 1 in carton, 11 lbs.

1F349—Ivory finish
1F350—Tan finish
1F351 Blue finish } Each **$4.50**

[illegible] wide, round fiber body and hood, adjustable sliding hood, reed body and hood, [illegible] cordurey trim, double spoke wood rubber tires, nickel hub caps, 1 in carton, 12 lbs.

1F382 Ivory finish
1F383 Gray finish } Each **$6.50**

COLLAPSIBLE STEEL FRAME DOLL CARTS

20 in. high, 14 in. long, 9 in. wide, [illegible] steel frame, [illegible] flat steel handle, ½ doz. in carton, about 11 lbs.

1F280 [illegible] Each **$4.75**

1F281 Leatherette top, seat and back, nickel corners. Doz **$5.50**

WOOD DOLL SULKY

1F329 [illegible] Gro **$23.00**

"Newly Born" Baby Dolls in Baskets

Truly to life baby dolls, modeled from newly born babies. With flesh tinted bisque heads, sleeping eyes, painted features, in willow baskets.

2F6810 8½ in. doll, composition body, lace trimmed long white lawn slip, white socks, in 10½ in. flower decorated basket, ½ doz. in box. Doz **$7.50**

2F6805 [illegible] with voice [illegible] Doz **$3.75**

A CATALOG ILLUSTRATION

Center Page Spread, plate size 15 x 9½ reproduced in four color process from wash drawing in water colors in commination with photograph of the Radio in colors. Planned photo, drawing in colors, retouching of Radio in colors and engravings by

OSGOOD COMPANY

Printed by

BLAKELY PRINTING COMPANY,
CHICAGO

COURTESY—OZARKA INCORPORATED CHICAGO, ILL

150 Screen Four Color Process Plates

* R *

THE RAINBOW

Reproduced from Unretouched Black and White photograph. Rainbow did not appear in copy. Color effects constructed by the photo-engraver, O. Gabriel

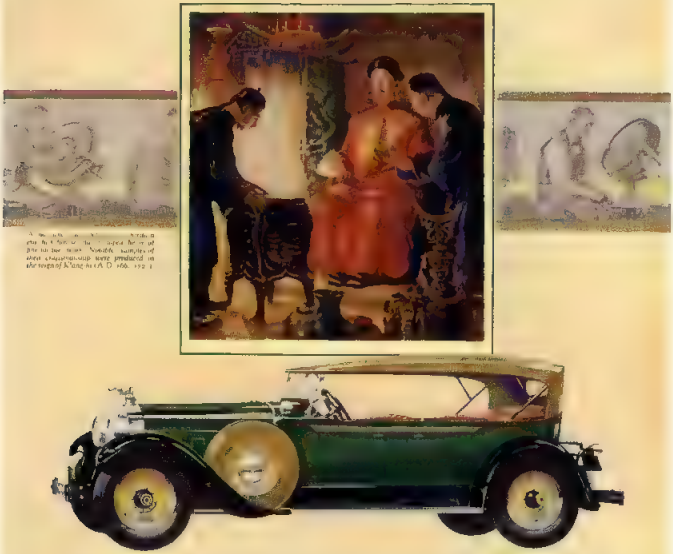
Engraved by HARVARD ENGRAVING COMPANY, BOSTON

Pencil drawing by O. R. Eggers

THE KITCHEN WING AT MOUNT VERNON

Engraved for THE AMERICAN ARCHITECT *Highlight halftone and tint plate.*

By Powers Reproduction Corporation



TO CREATE a Packard requires more than money, more than factory facilities, more even than engineering genius and marvelous precision in manufacture. It requires artistic talent of a high order in many fields.

The Packard you see gleaming at your door today is a high achievement in hundreds of different arts and crafts each centuries old, but reaching their supreme development in the modern Packard factory.

The very finish and color of today's PACKARD Packard reflect the results of ages of technical experiment as well as the care and expert judgment of Packard artists and craftsmen. The rare, old lacquered cabinets of the Orient were no more perfect specimens of the finisher's art.

The beauty of Packard design is now enhanced by the charm and brilliancy of the color combinations available—all in perfect taste and all long preserved by the unusual processes which protect the artistry of Packard finish through the years.

ASK THE MAN WHO OWNS ONE

Courtesy of Packard Motor Car Co. *Prepared by Austin F. Bement, Inc*

133 Four Color Process Plates

A MAGAZINE ADVERTISEMENT

Reproduced from two separate Oil paintings mounted as one copy and proofs of type

Engraved by GRAY-KETTERER-HANSEN, INC., DETROIT

All illustrations in this four-page insert are from four color process plates

A—Made direct from a slab of granite, which is considered difficult subject matter. No means of especially treating the surface was employed and the result is a faithful reproduction

B—The automobile was engraved from an opaque water color drawing and is an example of the smoothness obtainable from this kind of copy, 166 line screen

C—Reproduced from an oil painting The exquisite detail of the original, even the brush strokes of the artist are retained in this illustration

D—This picture is a true interpretation of a Coles Phillips painting Fidelity to the original has been achieved

Courtesy Packard Motor Car Company, Detroit

Four color process plates by
Jahn & Oliver Engraving Company, Chicago

BOY'S HANDLED AXES.

PAGOMA

High Grade Forged Steel Body with the Finest Grade Crucible Steel Bit Tempered by a Special Process, Carefully Ground and Tempered.

Full Polished and Etched.

Handled with No. 1 selected handle 24 in. long.

FULLY WARRANTED.

Net per doz.

NO. 196—Size 2, weight without handle 2½ lbs., weight with handles 36 lbs. per dozen **$26.40**

ONE DOZEN IN A CRATE.

BUCK HORN.

Forged steel body with welded tool steel bit. Black finish. Good quality handle

Net Per Doz

NO. 225—Size 2, bit 4 in wide, handle 24 in. long, weight with handle 3 lbs. each **$22.00**

ONE DOZEN IN A CRATE

MEN'S HANDLED AXES.

Not Guaranteed.

Net Per Doz

NO. 10—Solid forged steel body, black finish handled with good quality 36 in. handles. All 3¼ lb weight..... **$27.00**

ONE DOZEN IN A CRATE

MEN'S HANDLED AXES.

Michigan Pattern.

Forged Steel, Body Smooth Black Finish, Polished Head and Bit, Good Quality Handle.

Net per doz.

NO. 250—Assorted weights 3½ to 4½ lbs. to the dozen..... **$32.50**

We do not sort weights.

ONE DOZEN IN A CRATE.

AXE DISPLAY STANDS.

SENSIBLE.

Hardwood, Oil Finish, Top and Edges Painted Red and Varnished.

Net each

NO. 1—Capacity 31 axes, handled or unhandled, length 27 in., width 14 in., height 14 in., weight 25 lbs. each **$8.50**

ONE IN A CRATE.

"Pagoma" for quality—that's sufficient

ADZES.

PAGOMA

CARPENTERS'.

No. 80

SHIP.

No. 85

RAILROAD.

No. 90

Extra Quality Crucible Tool Steel, Carefully Tempered, Ground and Tested, Gold Bronzed Body, Polished Head and Bit.

FULLY WARRANTED.

	Net per doz.
NO. 80—Half head, assorted 3½ to 4½ in. bit, weight 3½ to 4½ lbs each, weight 45 lbs per dozen	$34.20
NO. 85—With spur, assorted 3½ to 4½ in bit, weight 3½ to 4½ lbs each, weight 45 lbs per dozen	42.10
NO. 90—Full head assorted 4½ to 5½ in. bit, weight 5 to 5½ lbs. each, weight 65 lbs. per dozen	36.18

HALF DOZEN IN A CASE.

LATH HATCHETS.

GENUINE UNDERHILL STAR BOSTON.

CHICAGO PATTERN.

CALIFORNIA PATTERN.

Made of Highest Quality Tool Steel.

	Net Per Doz.
NO. 9—Flat nine row milled head, width of bit 2¼ in., weight per doz. 18 lbs.	$50.50

ONE-HALF DOZEN IN A BOX.

	Net Per Doz.
NO. 012 Convex twelve row milled head, width of bit 2 in., weight per doz. 17½ lbs.	$53.00

ONE-HALF DOZEN IN A BOX.

"PAGOMA" is all in quality.

PAGOMA AXES.

Special Steel Body, Oil Tempered, Heavy Inserted Bit of Highest Grade Bit Steel. Perfect Grinding, Eyes Punched True, Special Finish Ground Sharp. A Perfect Axe.

As the Factory Makes Them.

NO 1 -A block of solid steel to form the body.
NO. 2—The eye has been punched,
NO. 3 Finest bit steel that money can buy.
NO. 4 Bit steel shaped to fit body of axe.
NO. 5—Bit welded to body of axe.
NO. 6—Axe drawn to shape.
NO. 7 Eye opened to proper shape.
NO. 8—Axe ground to shape.
NOS. 9, 10 and 11 - Finished product.

As We Handle Them.

NO. 1—Handles as we get them from mill.
NO 2—Handle trimmed to fit eye of axe.
NO 3 Wedge ready to drive in axe.
NO. 4—Wedge driven ready for finishing.
NO. 5 - Special handle label used on all "Pagoma" axes.
NO. 6—"Pagoma" guarantee to the user of "Pagoma" axes.
NO. 7 "Pagama" guarantee to the dealer selling "Pagoma" axes.
NO. 8—A finished "Pagoma" axe ready for your order.

DEMONSTRATION DISPLAY STAND.

Pagoma Axe Display.

THIS IS CONCEDED THE BEST AXE IN THE WEST.

Beautiful in Finish. Finest of Quality. Carefully Selected Handles. Every One Fully Guaranteed.

WE DRIVE OUR OWN HANDLES AND EACH ONE IS INDIVIDUALLY FITTED TO AXE.

Net each

NO. 101 "Pagoma" axe display, a minimum charge for axe only **$2.40**

OUR OWN SHOP.

Fitted With—Special wedge cutting machine.
Grinding wheel.
Sanding belt for handles.
Power drill.
Air compressor.
Band saw.
Polishing wheel.
Circular saw.
Forge
Electric motor for power

EXPERT WORKMEN WHO KNOW EXACTLY HOW THE WORK SHOULD BE DONE.

"Pagoma" by test proves superiority in quality

No. 61 Pagoma

(Packed in ¼ Dozen Cases)

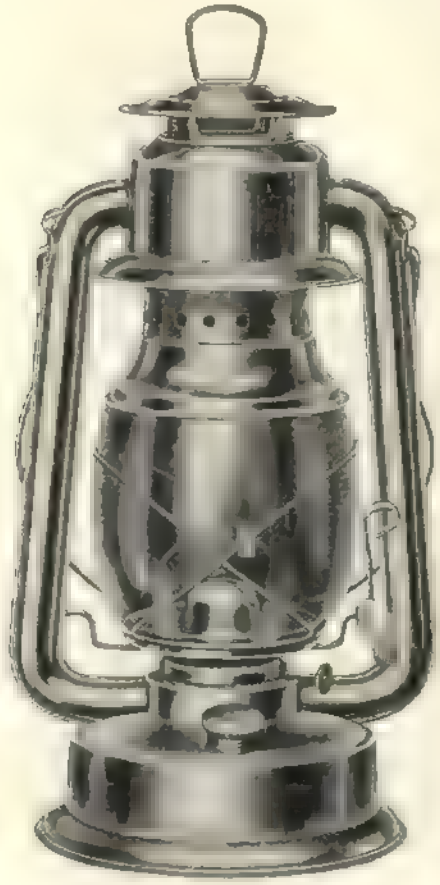
Packed ¼ dozen in a case. Gross weight 10lbs

Same specifications as our No. 156 but with Brass Fount and Red Enamel Frame. Gives 100 per cent longer service.

The best looking lantern ever made. Quality and workmanship guaranteed.

LIST PRICE $36.00 PER DOZEN

No. 156 Pagoma



Packed ½ dozen in a case. Gross weight 18 1-2 lbs

SPECIAL FEATURES

1. Tin used—IX 135 lb. Special Charcoal.
2. Dome and Dome Cap are designed to shed the rain and there are no openings where it can cause rust to form in the interior and cause the inner sleeve to stick.
3. Note the improvements in Dome Cap Lugs. This cover cannot break loose
4. The construction in Dome is so arranged as to make lantern absolutely wind-proof.
5. Perfect combustion is insured by the Cold Blast principle and the construction of the top has just the right ventilation to produce the best light.
6. Fount is made in oval form and bottom is con cave to make it rigid. Has 35 hour burning capacity.
7. Large brass filler with flush cap.
8. Standing bail (new and patented) which performs the additional function of reinforcing the holes where bail is inserted.
9. Lift holder is made of tinned steel and is the simplest and most efficient lift holder ever put on a lantern. Soldered fast to tube and never breaks off.
10. Tinned steel rising cone burner on all Cold Blast lanterns. The burner is exposed so it can be cleaned and wick trimmed readily.
11. New bright clean finish.

LIST PRICE $25.50 PER DOZEN

RAZORS.

PAGOMA

An exceptionally fine line of American Made Razors. The styles and patterns are the best, the same as the best imported, but the quality is superior.

A Line of Razors That Has No Superior Anywhere.

Inspection will disclose a bevel back of the edge This is absolutely a correct taper, which supports the edge and insures positive results in honing or stropping

FULLY GUARANTEED.

You May Sell Pagoma Razors on 30 Days' Free Trial.

All dealers are authorized to offer Pagoma Razors to their customers on "Approval" Without paying anything, without depositing anything it may be tried for 30 days. Then paid for or returned

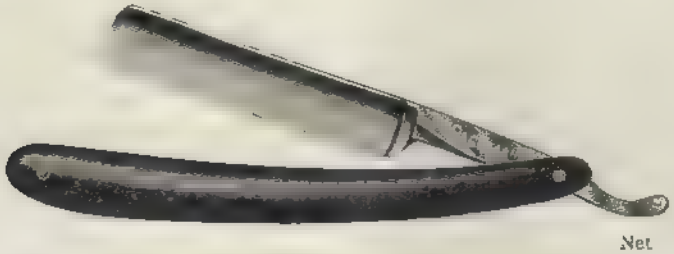
The Factory Guarantees The Dealer Against all Losses.

Razors which are returned will be exchanged for entirely new ones and any razor not returned or paid for will be replaced with a new razor

Net Per Doz.

NO. 1124—With honed point ½-inch blade, hollow ground, double shoulder, tang milled black oval handle $30.00
NO. 1125—With ⅝-inch honed point blade 30 00
NO. 1124R With ½-inch round head blade 30 00
NO. 1125R With ⅝-inch round head blade 30.00

ONE ONLY IN A BOX; HALF DOZEN IN A CARTON



Net Per Doz.

NO. 1184—With ¾-inch concave, ½-inch blade honed point, double shoulder, milled tang, with flat black handle..... $42.00
NO. 1185—With ⅝-inch honed point blade.....42.00
NO. 1184R—With ½-inch round head blade.....42 00
NO. 1185R—With ⅝-inch round head blade.....42.00

ONE ONLY IN A BOX; HALF DOZEN IN A CARTON

Net Per Doz

NO. 1358 Extra full concave, ground with bevel edge, ⅝-inch size, barber's point, double shoulder, milled tang flat black handle $48 00
NO. 1358R With ⅝-inch honed point blade 48 00

ONE ONLY IN A BOX, HALF DOZEN IN A CARTON.

Net Per Doz.

NO. 1214 Full Concave, ½-inch blade honed point, double shoulder milled tang with white grain handle.. .. $54.00
NO. 1245 With ⅝-inch honed point blade . ...54·00
NO. 1241R With ½-inch round head blade 54 00
NO. 1245R With ⅝-inch round head blade 54 00

ONE ONLY IN A BOX; HALF DOZEN IN A CARTON.

GERMAN RAZORS.

Made by Old Line German Factory, Fully Guaranteed.

Net Per Doz

NO. 1351WRP—Round Point, fancy white celluloid handle, full hollow ground, and honed to a keen edge, gilt etching, Double shoulder and gimped tang, ⅝ in. width of blade, full finished $48.00
NO. 1351WSP—Square Point 48.00

ONE ONLY IN A BOX; HALF DOZEN IN A CARTON

SAFETY CORN KNIVES.

"A TREAT FOR THE FEET."

The Star SAFETY CORN KNIFE is simplicity itself—just two parts. The holder is heavily nickeled metal, sanitary, can't rust or corrode, with a hard rubber handle

It is scientifically designed, having a flexible blade that conforms to the contour of the blade guard with accurate precision, allowing only absolute correct shaving space between the blade and the safety blade guard

The spacing between the blade and the safety guard of the Star Safety Corn Knife is so graduated that it is wider at the point, gradually tapering down to least space at the handle, enabling the user to shave off a thick paring or the finest flake, according to necessity An important point is the cutting vision that permits seeing the corn beneath and the exact amount you are shaving off

The STAR Safety Corn Knife is so constructed as to be safe However, caution should be exercised in not paring the corn to the point of breaking the skin after the callous part has been removed.

Blades in the STAR Safety Corn Knife are interchangeable you simply slip a new blade in the frame—always have a new keen blade to hand

Net per doz.

Star Safety Corn Razor. .. .. Retail price $0 60 $3.60

ONE DOZEN ON A CARD

CORN RAZOR BLADES.

STAR Safety Corn Knife Blades are made in the factory that produced the famous RADIO BLADES of the STAR Safety Razor They are the keenest edge in the world—the achievement of long study and careful development—guaranteed unquestionably

Net per pkg

Star Corn Razor Blades—3 blades in a pkg...Retail per pkg. $0.30 $0.10

ONE DOZEN PACKAGES IN A CARTON.

"PAGOMA"—A label of satisfaction.

SAFETY RAZOR STROPPERS.

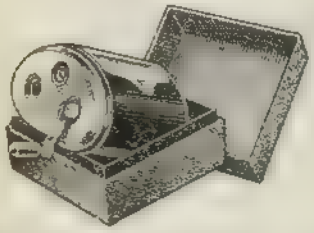
"TWINPLEX."

NEW STANDARD OUTFIT.

This is the popular standard outfit for general use. Consists of latest De Luxe model Twinplex stropper complete in high polished, hinged nickel case lined with purple satin.

	Net each
NO. G200—For Gillette Blades ..... Retail price $5.00	$6.66
NO. D650—For Durham Duplex blades ..... Retail price 5.00	6.66

ONE ONLY IN A BOX.



TWINPLEX "BLACK BEAUTY" MODEL.

Exactly like the regular Twinplex model except the finish. Made of rust resisting black enamel and nickel plate.

NO.	Net each
GX—For Gillette Blades...Retail price $3	$4.50
DX—For Durham-Duplex Blades..... Retail price $3 50	4.50

ONE ONLY IN A BOX.

TWINPLEX DISPAY PACKAGE.

Contains three popular Black Beauty GX Model Twinplex Stroppers for Gillette blades at $2 00, packed in a handy counter display container. Same illustration and wording on box as appears in ten powerful magazines during the month.

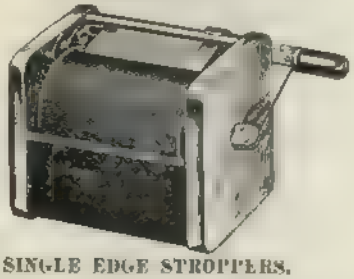
Retails for	$10 50
Dealer Pays	6.75
Margin	$ 4.50
	Net per pkg.
Twinplex Display Package	13.50

THREE ONLY NO GX STROPPERS IN DISPLAY PACKAGE.

SHAVING CREAM.

TWINPLEX SHAVING CREAM. Net per doz
Twinplex Shaving Cream ..
.. Retail per tube $0.75 $5.50

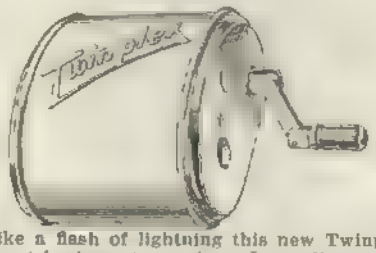
"TWINPLEX."



SINGLE EDGE STROPPERS.

	Net Each
NO. SE2—For Gem and Ever-Ready Blades..... Retail price $3.00	$4 00
NO. SE3—For Enders Blades..... Retail price $3.00	4.00
NO. SE5—For Auto Strop Blades ..... Retail price $3.00	4.00

ONE ONLY IN A BOX.



Like a flash of lightning this new Twinplex will set business to moving. In quality, workmanship and efficiency it is the equal of the $5 00 model. It has the same mechanism, is made by the same skilled workmen from the same high grade materials and it will give the user just as many years of service as the $5 00 Twinplex. Its handsome nickel and red enamel finish will appeal to men instantly.

In order to get the cost down so that dealers will have a stropper which will sell on sight we pack Red Flash in an inexpensive combination carton and case. Also we have eliminated the free repair service guaranteed and have substituted a repair service at nominal cost.

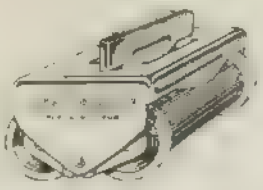
These savings, plus the tremendous increase in sales which the low price will bring, enable us to sell Red Flash to dealers at the astonishingly low price

RED FLASH.

	Net each
NO. GR—For Gillette Blades.. ..... Retail price $2.50	$3.38
NO. DR—For Durham-Duplex Blades... ..... Retail price $2 50	$3.38

ONE ONLY IN A BOX

"TWINPLEX."



BABY GRAND MODEL.

This is the "baby" of the Twinplex family of stroppers. An entirely new principle of operation. Simply slip blade in holder and roll back and forth. Made of aluminum, this beautiful [illegible] and clever. Packed in a flaming red case with gold lettering. Will be a tremendous seller at $1.00.

	Net each
NO. S10—For Gem and Ever Ready blades ..... Retail price $1.00	$1.30
NO. S13—For Auto-Strop blades ..... Retail price $1 00	1.30

ONE ONLY IN A BOX

CONTEST ASSORTMENT NO. 1A

Contains the Following:

	Costs	Minimum Sale Price	Maximum Sale Price
3 only No. GX "Black Beauty" (Gillette Model) Twinplex Stroppers at $2.25	$6.75	$8.91	$10.50
1 only No. DX "Black Beauty" (Durham Duplex Model) Twinplex Stropper	2.25	2.89	3.50
1 only "S2 Single Edge" (Gem and Ever-Ready Model) Twinplex Stropper	2.00	2.89	3.00
NOTE—Gem Model Stropper may be exchanged at any time for Auto Strop, Enders or Keen Cutter Models.			
6 tubes of the wonderful Twinplex Shaving Cream	FREE	2.10	2.10
	$11.00	$16 91	$19.10
	PROFIT	$5.91	$8 10
		3[illegible]	4[illegible]%
		Net per assn	$22 00

CONTEST ASSORTMENT NO. 2A

Contains the following:

4 only No. GX "Black Beauty" (Gillette Model) Twinplex Stroppers at $2.25	$9.00	$11 92	$14.00
1 only No. DX "Black Beauty" (Durham-Duplex Model) Twinplex Stropper	2.25	2.89	3.50
6 tubes of the wonderful Twinplex Shaving Cream	FREE	2.00	2.00
	$11.25	$17 00	$19 60
	PROFIT	$5.75	$8.60
		35%	49%
EACH ASSORTMENT IN AN INDIVIDUAL SHIPPING CASE.		Net per asst.	$22 50

133 Screen Four Color Constructed Halftone Plate

A TOURIST BOOKLET TITLE PAGE * R *

Reproduced from Outline Pen drawing. Black plate is straight line reproduction. Yellow, Red and Blue plates made from Halftone screen negatives, design surprinted and colors constructed by the photo-engraver

Engraved by RESPRESS-JOHNSON ENGRAVING COMPANY, JACKSONVILLE, FLA.

Games and Cut Out Sets

Board Games
Continued

Per doz.

G9006—SANTA CLAUS SERIES OF BOARD GAMES Assorted titles such as Buffalo Bill, Jack the Giant Killer, Steeple Chase, Circus, Street Car, and Santa Claus Size, 11½x8½ inches. Packed ¼ dozen in a package, not broken. **4.00**

G9010—OLD MOTHER HUBBARD SERIES—Consists of Across the Sea, Uncle Sam's Mail Old Mother Hubbard, Game of Punk, A. D. T. Messenger and Checkered Game of Life. Size, 15x15 inches. Packed ¼ dozen in a package, not broken. **8.00**

Per doz.

G9011—SILVER LINE SERIES—This series contains the following new titles: Bamboozle, Go Bang, India and Round the World. Size, 14x7 inches. Packed ¼ dozen in a package, not broken. **8.00**

Each

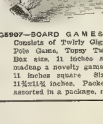
G9823—GAMES YOU LIKE TO PLAY A combination of Tiddledy Winks, Dominoes Barnyard Pool, India Steeple Chase Game and Bowling. All games complete. Games packed in a handsome lithographed box. Box size, 11½x11½x1¾ inches. **2.00**

Each

G9824—GAMES YOU LIKE TO PLAY A combination of Lotto Magnet Fish Pond, Checkers, Backgammon, Auto Race and Ludo. Just the thing for a family party in the home, traveling or in camp. Every game complete, packed neatly in a handsome lithographed box. Box size, 13½x13½x1¾ inches. **2.00**

Per doz.

G9009—DAISY SERIES — Contains Hurdle Races, Hippodrome, Black Beauty, Boy Scouts, Peter Rabbit and Round Up. Size, 11¼x16¼ inches. Packed ¼ dozen in a package, not broken..... **4.00**



Per doz.

G9907—BOARD GAMES—Assorted Consists of Twirly Gig, The May Pole Game, Topsy Turvy Game. Box size, 11 inches square and madeup a novelty game, Box size, 11 inches square. Size of box, 11½x11½ inches. Packed ¼ dozen assorted in a package, not broken. **8.00**

Per doz.

G9908—BOARD GAMES—Six different kinds, including Roly Poly, Game of Tops, Base Ball, etc. Size of boxes, 13½x13½ inches. Packed ¼ dozen in a package, not broken **8.50**

Each

G9825—GAMES YOU LIKE TO PLAY A combination of Jack Straws, Old Maid, Hop in the Tub Tiddledy Winks, Dominoes on the Spot and Checkers Neatly packed complete in a handsome lithographed box. Box size, 13x13¼x1¾ inches. **2.00**

Paper Dolls

Per doz.

G8134—PAPER DOLL SET—Two large dressing dolls printed in bright colors on heavy cardboard, with comic Dolls to be cut out and fitted with stylish dresses, suits and hats. Put up in box, two subjects assorted, one dozen in a package, not broken. .... **.75**

Per doz.

G8641—PAPER DOLL DRESSES AND HATS—Six sheets of colored paper for cutting out dresses, one lithographed jointed paper doll Three dresses and hats one of each, red, blue and pink in box with lithographed label Size, 7x7 inches. Packed 1 dozen in a package, not broken **1.60**

G5642—PAPER DOLL DRESS AND HATS—Nine sheets of colored paper and nine rolls of crepe paper for cutting out dresses, one lithographed jointed paper doll. Six dresses and hats, one each of pink, white, red, green, blue, black and yellow, in lithographed box. Size, 11½x8½ inches Packed ¼ dozen in a package, not broken. **4.00**

G5643—PAPER DOLL DRESSES AND HATS—Nine sheets of colored paper and six rolls of colored crepe paper for cutting out dresses and hats, two rolls of crepe and two strips of gold bands for trimmings. One sheet of patterns, two lithographed jointed paper dolls and six dresses and hats, one each of red, green, yellow, pink, blue and purple, in lithographed box. Size, 14½x9¼ inches. Packed ¼ dozen in a package, not broken.. **5.00**

Per doz.

G8551—LITTLE ORPHAN ANNIE CUT-OUT TOYS—A set of 12 cut-piece toys of characters from the popular cartoon, consists of 8x11-inch book bound in flexible cardboard in bright red, decorated with the picture and twelve inside pages attached by tabs, ready to be cut out. These make up into the complete three-dimension toys each in one piece. The paper is of weight and quality suitable for folding without breaking. Instructions are brief and attractively lettered and there is a picture of the made-up toy with each cut-out. Packed one dozen in a package, not broken. **4.00**

Per doz.

G8552—SKEEZIX CUT-OUT TOYS—Same as above, except bound in flexible cardboard in bright blue decorated with picture by Frank King. Packed one dozen in a package, not broken. **4.00**

Per doz.

G8583—SUNSHINE CUT-OUTS—The characters and their doings are unique in the Sunshine Cut-Outs are unique as far from their usual surroundings they are of the most educational value. The "Sunshine Cut-Outs" are in three series. Size of each series when folded is 10¼x 13¼ inches and each contains four sets of cut-outs These cut-outs are printed in four beautiful colors on a high grade coated board stock ½ dozen in a package, not broken. **4.00**

G8824—LETTIE LANE CUT-OUTS—The characters and their doings are unique as regards and are of an educational value. Lettie Lane cut-outs are in three series. Size of each series when folded 9 13-16x13¼ inches, and each contains four sets of cut-outs. They are printed in beautiful colors on high grade coated board stock. ½ dozen in a package, not broken **4.00**

Per doz.

G8681—DOLLIES' DRESSES—Six sheets of dresses, six crayons, one each of red, orange, yellow, green, blue and violet and a realistic lithographed jointed paper doll in box with lithographed label. Size, 9¾x11¾ inches. ¼ dozen in a package, not broken **7.50**

Per doz.

G8943 PAPER DOLL SET—Assortment of colored crepe, and gilt tissue papers for costumes—with paper lace for edgings and insertions, with trimmings, dress forms, etc., and tube of paste, with pictures in color showing a dozen costumes. Middy Suit, Party Dress, Rompers, etc. Each set includes dolls with movable arms and legs. Box size, 8¼x8¼x1 inches. ¼ dozen in a package, not broken..... **8.00**

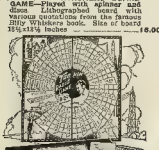
Per doz.

G9050—PAPER DOLLS—Three dolls, one each of three sizes; three plates, lithographed, showing six dresses in colors, six plates containing outline patterns, seven rolls of colored paper "dress goods" and trimming; 160 cardboard buttons, one sheet paper pattern manual showing how to make up dresses for sizes of dolls. Put up in cardboard box. Outline drawing in color. Size, 11½x11¾ inches. ¼ dozen in a package not broken **8.00**

G9044—IMPROVED PAPER DOLL OUTFIT—Includes, one girl, one baby doll, sheets of colored paper, stockings, and hat designs, printed on cardboard, sheets of colored tissue paper, pompon, supply of cardboard for each size doll, strips of gold and colored paper, and tube of paste. Assembling in box; size of box, 11¾x8 inches ¼ dozen in a package, not broken. **12.00**

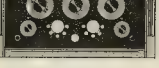
Board Games Continued

G5862—BILLY WHISKERS BOARD GAME—Played with spinner and discs. Lithographed board with various quotations from the famous Billy Whiskers book. Size of board 16½x13½ inches 16.00



G5836—TOON-IN RADIO GAME—Here is a game which arrives just in the nick of radio's season. Played with six cardboard lithographed radio sets. Each set has a different station name. "Broadcasters" named for various popular advertised radio acts.. 16.00

G5864—RADIO—An up-to date Radio game, comprising novelty with many educational features. The game is played on a folding board size 26½x18½, bearing a lithographed label of United States and Canada. On the map are shown 127 cities with broadcasting stations connecting with plainly defined route which the players follow. In connection with the play is cards of wood, each bearing the name of a broadcasting station with its wave length and location, including every station established up to the present time. Two lead based disks, four wooden disks. Lithographed label. The movers are covered by spherical metal base disks, 2¼ inches in diameter. Size 9¾x17 inches 6.00



G5887—LITTLE ORPHAN ANNIE GAME—A clever board game with Orphan Annie, Sandy, Daddy Warbucks and her dog, for pivots. Very attractive design and embodies new and interesting playing methods. Attractive box label lithographed in colors. Size 9¾x17 inches 16.00

G5829—JUNIOR COMBINATION BOARD—One of the most attractive game boards on the market. Twelve different games may be played and each one is good. Put up in attractive box with lithographed label in colors. Size of playing board, 16¾x18¾ inches. Size, closed, 19¾x17 inches 16.00

G6176—CINDERELLA—A well made black board folding board picturing Cinderella's journey from the chimney corner to the prince's palace. Four colored pawns, a numbered disk and 12 magic hearts for use in counting, are included. Size, closed, 8½x9 inches 6.00

G6177—ALICE IN WONDERLAND—The board represents the mystic maze through which Alice wandered and pictures the numerous adventures encountered on her eventful journey through Wonderland. 16.00

G5874—POLLY PICKLES—The play of this game is centered to "Movie" cles, a new, patented feature. The playing board is comically designed by an eminent cartoonist, and the wording on the board elicits screams of laughter. The idea of the game is to help Polly become Queen of the Movies..16.00

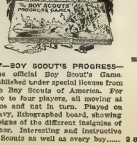
G6164—FULD OUIJA BOARDS—Small, size 11x15 inches, each in a box 6.80

G6160—PARCHEESI—Popular edition, board in durable and handsome bronze panel, imitation, with black spots printed in best gold bronze, a handsome and durable board construct, dice cups and directions accompanying the board..17.00
G6161—Extra Parchesi Men..... 10.00

G6873—POLLYANNA — Extensively advertised The best of the new board games. Stout, handsome board, full equipment, including 4 bone dice. A perfect game for two, three or four persons..... 18.00

G6036—PIRATE AND TRAVELER—The game board is a map of the world and the Travel cards indicate Journeys to be made by the travelers. All routes of travel are well-known railroad and steamship lines, and players acquire a knowledge of them, also the chief cities and ports and the principal articles of commerce. The educational value of this game and its exceptionally attractive make-up provide in Pirate and Traveler a game of travel unequaled. Put up in a handsome box with label, lithographed in colors. Size of game board 18½x23 inches. Size closed 18x13 inches..... 2.00 Each

G6178—TOM SAWYER AND HUCKLEBERRY FINN—New game featuring the adventures of Mark Twain's famous characters A game for the family circle A folding board, size 17¾x18¾ inches, inclosed with the implements and directions for playing, in a handsome box. The game and box cover design are printed in four bright and attractive colors..... 2.00 Each

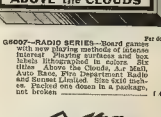


G5987—BOY SCOUT'S PROGRESS—The official Boy Scout's Game. Published under special license from the Boy Scouts of America. For two to four players, all moving at once and not in turn. Played on heavy, lithographed board, showing designs of the different insignias of honor. Interesting and instructive to Scouts as well as every boy..... 2 80

G5875—EAST IS EAST AND WEST IS WEST—Game of travel. Handsome, half-tone illustrations in combination with colors and gold. Mounted on a good strong folding board which folds in the middle. Players start from New York and travel through Europe, Egypt and Asia, returning via San Francisco. Size of board, 32½x16½ inches..... 3.00

G5542 — SUMRUN — A novelty board game. Five horses run a race, one player acts as bookmaker and deals cards to move the horses from start to finish on the course. Size of board when open for playing 24½x18 inches; each game carried complete in a carton. Size 12½x7½ inches..... 3.50 Each

G6007—RADIO SERIES—Board games with new playing methods of intense interest. Playing surfaces and box labels in colors. Four titles: Above the Clouds, Six Auto Race, Fire Department Radio and Sunset Limited. Size 6x10 inches. Packed one dozen in a package, not broken 1 60



G5906—MOTHER GOOSE SERIES—Board Games. Included in this series are Little Bobbin, Curly Locks, Mistress Mary, The Prod, Mother Hubbard, and Sailor Boy. Size, 17¾x18½ inches. Packed ½ dozen in a package, not broken..... 4.00

G6008—JACK DAW SERIES—A new board game series, the games are all interesting with attractive features in playing
One-half dozen in a package, assorted, not broken..... 3.00

The Red Pig
Whang
Bear Hunt
Tiger Tom
Spot
Jack Daw

WATER CIRCULATING PUMPS

MILWAUKEE FOR FORD CARS

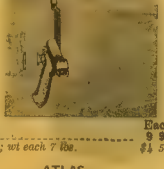
Blue Bird.

Cast iron frame, blue enameled. ⅝ inch steel rod through center of frame with 2½ inch steel pulley for operating with fan belt.

Designed to attach to side of motor block for circulating and keeping water cool in Ford engine. Equipped with steel lubricating cup and adjusting screw with lock nut for attaching horn. Complete with fan belt and instructions for installing. Length 14½ ins.

	1926 and earlier Models.	1926 Models.
Nos.	A-550	A-551
1 to 5, Each	9 56	9 56
6 or more, Each	8 82	8 82
One in carton; wt each 6 lbs.	*$4 90*	*4 90*

ATLAS CENTRIFUGAL FOR FORD CARS



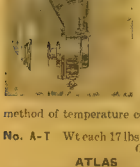
Cast iron frame and pump grey enameled. Phosphor bronze bushings on each side of impellor. Bronze thrush washer. Large bronze packing nut and adjustable pulley. Easily attached to motor block, driven by regular fan belt. Keeps the engine cool under all conditions. Complete with instructions for attaching

Each

No. A-F—Diam impellor 8 ins. 9 90

One in carton; wt each 7 lbs. *$4 50*

ATLAS FOR FORDSON TRACTORS



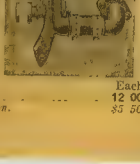
Cast iron frame and pump, grey enameled. A complete one piece unit that replaces the regular Fordson casting with a 3 inch ball bearing operated impeller shaft lubricated the same as pulley on Fordson tractor Centrifugal type maintaining a perfect circulation through cooling system at all times; constructed with lever which permits it being thrown in and out of working position affording a convenient and positive method of temperature control. Driven by regular fan belt.

Each

No. A-T Wt each 17 lbs. 33 00

One in carton. *$15 00*

ATLAS FOR OVERLAND FOUR CARS



Cast iron frame and pump, gray enameled. Fastens securely to motor block with regular screws. Driven by regular fan belt and especially designed to pump water through engine making a positive and perfect circulation preventing motor overheating in warm weather and freezing while running in cold weather.

Each

No. A-O—Wt each 8 lbs. 12 00

One in carton. *$3 50*

AUTOMOBILE CLOCKS

PARAMOUNT

Stem Wind And Set.

Solid nickel case, silvered dial. Reversed dial and long stem makes winding and setting particularly easy. 30 hour movement. Diameter base 3 inches, diameter dial 1⅝ inches.

Offset Model With Universal Joint. Each

No. A-57—Nickel finish. 9 00 *$4 75*

Fits Flush With Instrument Board. Each

No. A-58—Nickel finish. 6 60 *$3 50*

One in cardboard box; wt each 5 ozs.

GLOWNITE

Stem Wind And Set.

Solid nickel case, luminous dial. Reversed dial and long stem makes winding and setting particularly easy. Back of clock fits flush with instrument board. 30 hour movement. Diameter base 3 inches; diameter dial 1¾ inches. Complete with screws for attaching.

Each

No. A-55—Nickel finish. 8 55

$4 50

One in cardboard box; wt each 5 ozs.

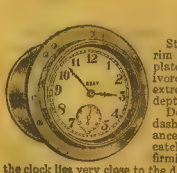
OFFSET MODEL, With Universal Joint. Stem Wind And Set.

Solid nickel case, bright nickel silver finish with radium dial. Designed for use on closed cars, may easily be attached to frame over windshield, adjustable to any angle. 30 hour movement. Complete with screws for attaching. Each

No. A-56—Diam base 2⅞ ins; diam dial 1⅝ ins. 11 25

$5 75

One in cardboard box; wt each 8 ozs.



Eight Day Movement.

Steel case, nickel plated; brass rim and bezel, highly nickel plated and polished; 2½ in. ivoroid dial with second hand; extreme diameter of rim 3½ ins; depth 2¼ inches.

Designed to be sunk into the dash and makes a very neat appearance. Has a new patent spring catch, which holds the movement firmly in position. The face of the clock lies very close to the dash as no part need project for winding purposes. Each

No. A-3—Complete with necessary screws and complete directions for using $12 75

One in cardboard box; wt each about 2½ lbs.

CARBURETORS

KINGSTON, DELUXE MODEL, FOR CHEVROLET CARS

Brass strainer and steering column control, efficient and economical in operation.

FOR MODEL K

No.	A-8KC
1 to 11, Each	+33 75
12 or more, Each	+31 50

One in carton; wt each 8¼ lbs. *$15 00*

KINGSTON, FOR BUICK CARS

Brass strainer and steering column control, efficient and economical in operation.

No.	A-7KB
1 to 11, Each	+37 14
12 or more, Each	+34 65

$16 50

One in carton; wt each 9 lbs.

KINGSTON, DELUXE MODEL FOR DODGE CARS

Brass strainer and steering column control. Insures instant starting and immediate warming up of motor under severe weather and climatic conditions.

No.	A-6KD
1 to 11, Each	+33 75
12 or more, Each	+31 50

One in carton; wt each 8¼ lbs. *$15 00*

KINGSTON, DELUXE MODEL, FOR MAXWELL CARS

Gives increased power with lower fuel consumption, greater ease in starting and increased flexibility and smoothness in the operation of motor. Handles high or low test gas with equally successful results; picks up instantly under load without choking. Equipped with brass strainer and steering column control.

No.	A-4KM
1 to 11, Each	+33 75
12 or more, Each	+31 50

One in carton; wt each 9 lbs. *$15 00*

VACUUM SYSTEM REPAIR PARTS

FOR STEWART WARNER VACUUM TANKS, FOR FORD CARS

	Per Doz
No. A-3830—Cover Gasket—used on Models 113, 116, 122, 127, 138 and 143	$0 93

FLOATS

For Stewart Vacuum Systems.

Heavy copper shell, white nickel finish; accurate in size, uniform in shape and weight.

	Each
No. A-10978—Wt each 3 ozs	$1 11

One in cardboard box.

✤F. O. B. Indiana Factory Only.

CARBURETOR FLOATS

METAL

	Per 100
No. A-6201—To be used on new style N H Holley carbureter	$66 00

Packed loose.

CARBURETOR CHOKER SPRINGS

FOR FORD CARS

Extra quality spring wire. Designed for quick release of choker. Easily attached to all model Ford cars. Length over all 3 inches.

	Per Card
No. A-14—14 springs mounted on counter display card 9x7 ins; wt each ½ lb	$3 30
No. A-30—30 springs mounted on counter display card 12x10½ ins; wt each 1¼ lbs	6 00

One card in carton.

FOR FORD CARS

Extra quality spring wire. Designed for quick release of choker. Easily attached to all model Ford cars. Length over all 3 inches.

	Per Box
No. A-100—100 springs in wood counter display box, each spring in envelope	$19 50

One box in carton; wt each 8¼ lbs.

FLANGE REPLACEMENT PULLEYS

FOR FORD CRANK SHAFT

MILWAUKEE

Models, 1917-25 Inc.

Extra heavy drawn steel, nickel dipped. Flanged pulley prevents belt slipping off.

	Each
No. A-57—Wt each 1 lb	1 53

Packed loose. *$0 75*

WATER CIRCULATING PUMPS

NEPTUNE, FOR FORD CARS

1926 and Earlier Models.

Cast iron frame and pump, equipped with bronze bearings; adjustable flanged pulley insures correct alignment of belt. Easily attached by removing two studs that hold water connection in side of motor and loosening hose clip at end of pipe near radiator. Driven by regular fan belt and especially designed to pump water through engine making a positive and perfect circulation preventing motor overheating in warm weather and freezing while running in cold weather.

	Each
No. A-96NP—Wt each 6 lbs	8 10 *$8 75*

One in carton.

PARKER VISES.

Parker Vises are the Product of Master Makers, America's oldest Vise Manufacturers and are backed by **79 years of satisfactory service.** The castings are of a mixture of Bessemer Steel and Grey Iron which has been found to be the best material for strength, quality and durability.

The Parker patented swivel base stands as a challenge to produce its equal. This type is furnished on all of our swivel base vises and gives the mechanic the convenience of being able to place his vise in any position, at the same time having the strength of a Stationary Vise.

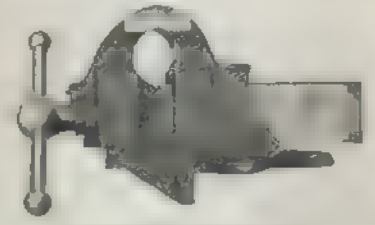
The Parker method of attaching the steel jaws has never been equaled. Not welded on which requires an entire new casting when breakage occurs nor screwed on the face which causes the jaws to work loose after constant use but riveted to steel and pinned on from the top, at the same time easily removable, also protecting top of vise with a full steel covering which the front jaw does not lo

COMBINATION PIPE.

PARKER'S COMBINATION.

NOS.	Width Jaws Inches	Jaws Open Inches	Holds Pipe Inches	Weight Pounds	Net Each
88	3½	7	3	71	$36.68
289½	6	11½	5	137	75.00

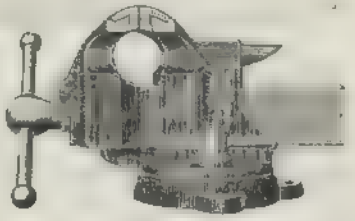
MACHINISTS.



PARKER'S STATIONARY.

NOS.	Width Jaws Inches	Jaws Open Inches	Holds Opening Inches	Weight Pounds	Net Each
101	2½	3½	3	14	$13.50
102	3	4½	3¾	22	15.00
103	3½	5½	3⅝	33	16.30
104	4	6½	3⅝	43	19.12
105	4½	7	4¼	61	23.21
106	5	8	4¾	83	30.00

ANVIL.



PARKER'S SUPERIOR ANVIL SWIVEL BASE.

For Light Garage Work.

NO. 22 Width of jaws 3 inches, jaws open 4 inches weight each 71 lbs. Net Each $21.00

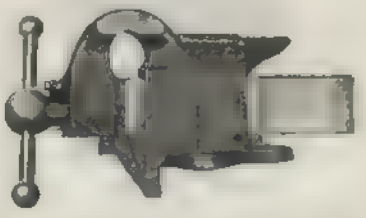
PARKER'S OVAL SLIDE.

Welded Steel Jaws.

NOS.	Width Jaws Inches	Jaws Open Inches	Holds Opening Inches	Weight Pounds	Net Each
030	2½	2⅝	2	7½	$ 4.00
29	2½	4	2	8	4.80
31	3	5½	2¼	13½	5.50
32	3¼	6	2⅝	19½	7.00
34	4	4¼	3⅜	29	10.00

PARKER'S SWIVEL BASE.

NOS.	Width Jaws Inches	Jaws Open Inches	Holds Opening Inches	Weight Pounds	Net Each
201	2½	4½	3	16½	$18.00
202	3	5½	3¼	27	19.50
203	3½	5½	3⅝	41	22.50
204	4	6½	3¾	57	25.50
205	4½	7	4¼	75	30.00
206	5	8	4¾	104	45.00



PARKER'S "BIG BEAR" ANVIL STATIONARY BASE.

For Heavy Garage Work.

NO. 131 Width of Jaw 4 in. opens 7½ in. weight each, 76 lbs. Net Each $26.00

NO. 135 Width of Jaw 5 in. opens 6 in. weight each, 102 lbs. 36.00

"SPECIAL."

OVAL SLIDE VISE.

For use in a car owners private garage this vise cannot be beaten. Guaranteed against defects in material or workmanship.

Net Each

NO. 10—Oval slide vise, 3 in. jaw, weight 13 lbs. each.....$4.50

PARKER'S ADJUSTABLE JAW AND SWIVEL BASE.

NOS.	Width Jaws Inches	Jaws Open Inches	Holds Opening Inches	Weight Pounds	Net Each
271½	4	5	3⅝	52	$36.00
272	4½	6	3⅞	70½	42.00
273	5	7	4⅛	85	58.00

PARKER'S "BIG BEAR" ANVIL SWIVEL BASE

For Heavy Garage Work.

Net Each

NO. 234 Width of Jaw 4 in. jaws open 5 in., weight each, 80 lbs.....$31.70

NO. 235—Width of Jaw 5 in., jaws open 6 in., weight each, 112 lbs..... 47.30

SCREW PLATES.

BICYCLE.

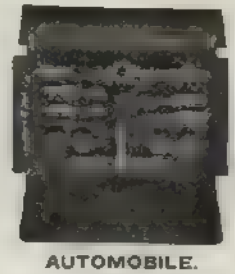
NO. 150— Stock 6 in. long, complete with T style tap wrench and five sizes plug taps, dies and guides, ¼-40, ⅜-36, ⅜-24, ½-24, ½-20 in., weight 3 lbs per set . . . . . Net per set $14.40

ONE SET IN A HARDWOOD CASE

BICYCLE.

NO. 151—Stock 6 in long, complete with T style tap wrench and five sizes plug taps, dies and guides, screw gauge sizes 4-36, 6-32, 8-32, 10-24, 12-24, weight 3 lbs . . . . . Net per set $14.40

ONE SET IN A HARDWOOD CASE.



AUTOMOBILE.
In Leather Roll.

This set has dies 1 in. outside diameter. T style tap wrench. Dies and taps are S. A. E. standard.

NO. 1475—Stock, adjustable T tap wrench and tap and dies, ¼-28, ⅜-24, ⅜-24, ½-20, ½-20, A. L. A. M. standard, complete and in handsome leather roll Net per set $17.60

ONE SET IN A LEATHER CASE.

AUTOMOBILE.
In Leather Roll.

NO. 1470 Stock 14 in long, and seven sizes round adjustable dies and plug taps, ¼-28, ⅜-24, ⅜-24, ⅜-20, ½-20, ⅝-18, ⅝-18, A. L. A. M standard, complete, and in handsome leather roll 14x4x1 in when closed, weight 3 lbs. each . . . . . Net per set $27.30

ONE SET IN A LEATHER CASE.

NO. 1471—With 15 in. Adjustable tap wrench, otherwise similar to 1470, weight 4½ lbs. $31.40

"LITTLE GIANT."
Single Stocked, U. S. S. Thread.

	Net per set
NO. 1—5 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, taper taps, Little Giant dies, 2 in. dia. collets, stock 14½ in. long, adjustable tap wrench No. 5 (11½ in. long) and bit brace shank, weight 9 lbs	$24.80
NO. 5—7 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-11, ¾-10, taper taps, Little Giant dies, 2½ in. dia. collets, stock 23 in. long, and adjustable tap wrench No. 6 (15 in. long), weight 20 lbs .	36.60
NO. 7—9 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-11, ¾-10, ⅞-9, 1-8, taper taps, Little Giant dies, 2½ in. dia. collets, stock 26 in. long, and 2 adjustable tap wrenches, No. 5 (11½ in. long) and No. 7 (19½ in. long), weight 27 lbs	56.00

S. A. E. Thread.

NO. 1A—Automobile thread, otherwise similar to No. 1.	24.80
NO. 5A—Automobile thread, otherwise similar to No. 5.	36.60
NO. 7A—Automobile thread, otherwise similar to No. 7.	56.00

ONE SET IN A WOOD CASE

"LITTLE GIANT."
Full Stocked, U. S. S. Thread.

There is a separate stock for each die. It is always ready for use. These assortments are especially useful where two or more workmen are called upon to use different sizes from the same assortment at the same time

	Net per set
NO. 65—7 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-11, ¾-10, taper taps, Little Giant dies, separate stock for each die, and adjustable tap wrench No. 6 (15 in. long), weight 24 lbs.	46.00
NO. 67—9 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-11, ¾-10, ⅞-9, 1-8, taper taps, Little Giant dies, separate stock for each die, 2 adjustable tap wrenches, No. 5 (11½ in. long) and No. 7 (19½ in. long,) weight 37½ lbs.	72.00

S. A. E. Thread.

NO. 65A Automobile thread, otherwise similar to No. 65.	46.00
NO. 67A—Automobile thread, otherwise similar to No. 67	72.00

ONE SET IN A WOOD CASE.

"LITTLE GIANT."
Combination Screw Plates, Cutting Both U.S.S and S. A. E. Threads

These Combination Assortments avoid the expense of buying a separate outfit for each thread standard and the consequent duplication of stocks and tap wrenches Each and every die in the assortment is contained in its own collet

	Net per set
NO. 310 5 sizes U. S. Std ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, and S. A. E. Std ¼-28, ⅜-24, ⅜-24, ⅜-24, ½-24 ½-20, ½-20, stock 14½ in long, adjustable tap wrench No. 5 (11½ in. long), weight 14 lbs .	39 00
NO. 311 8 sizes U. S. Std. ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-12, ⅝-11, ¾-10, and S. A. E Std ¼-28, ⅜-24, ⅜-24, ⅜-24, ½-20, ½-20, ⅝-18, ⅝-18, ¾-16 2 stocks 14½ in long and 23 in long, 2 adjustable tap wrenches, No. 5 (11½ in. long), and No. 6 (15 in. long), weight 31 lbs. . . .	74.80

"LITTLE GIANT."
S. A. E. Thread.

This assortment contains Little Giant Dies and Plug Taps, in addition to the Stocks, Collets and Tap Wrenches specified.

	Net per set
NO. 31 (Old No. 305)—5 sizes ¼-28, ⅜-24 ⅜-24, ⅜-20, ½-20, plug taps 2 in. dia collets, stock 14½ in. long, bit brace shank and adjustable tap wrench No. 5 (11½ in. long), weight 8 lbs. . . .	24.80
NO. 37½ (Old No. 307) 11 sizes ¼-28, ⅜-24, ⅜-24, ⅜-20, ½-20, ⅝-18, ⅝-18, ¾-16, ⅞-16, ⅞-14, 1-14, Plug Taps, 2½ in. collets, stock 26 in. long, 2 adj. tap wrenches No. 5 (11½ in. long) and No. 7 (19½ in. long), weight 80 lbs.	59.00

"O. K." U. S. S. Thread.

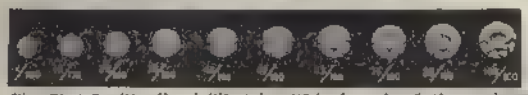
This assortment contains Taper Taps and "O. K." Split Dies.

	Net per set
NO. 5 O. K. 7 sizes ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-13, ⅝-11, ¾-10 Taps and Dies, 1 stock No. 5 O. K. 23 in. long and Tap Wrench No. 6 (15 in. long,) Weight per set 14 lbs	$25.50

ONE SET IN A FANCY HARDWOOD CASE.

DIAMOND SET JEWELRY

ENGAGEMENT STYLE DIAMOND RINGS



Fine First Quality—Very brilliant, beautiful color and perfectly cut stones in perfections.

Selected Second Quality—Perfect cut, good brilliant color, with slight imperfections.

18k Solid White Gold—Tiffany style, engraved dec'd, heavy prong mounting.

First Quality

Carats	Each
J9921—5-100	$70.00
J9922—10-100	130.00
J9923—20-100	180.00

Second Quality

Carats	Each
J9924—25-100	$50.00
J9925—8-100	90.00
J9926—50-100	126.00

18k White Gold—Flower and leaf design hand engraved Betazon setting.

First Quality

Carats	Each
J9984	$76.00
J9985	135.00
J9990	195.00
J9982—25-100	250.00
J9983—75-100	345.00
J9988	550.00

Second Quality

Carats	Each
J9980	$56.00
J9981	96.00
J9992	130.00
J9993	175.00
J9994	225.00
J9995	330.00

18k Solid White Gold—Pierced and engraved basket mounting.

First Quality

Carats	Each
J9927—25-100	$80.00
J9928—38-100	140.00
J9929—50-100	200.00

Second Quality

Carats	Each
J9930—25-100	$60.00
J9931—38-100	100.00
J9932—50-100	135.00

WOMEN'S FANCY DIAMOND RINGS

18k solid white gold, selected second quality diamonds. Each in box.

J9900 — Pierced mounting, engraved Betazon setting, 5-100 ct. diamond. Each **$10.00**

J9901 — Pierced mounting, engraved, square box setting, 8-100 ct. diamond. Each **$13.50**

J9908 — Pierced belchior mounting, engraved Betazon box setting, 7-100 ct. diamond. Each **$18.00**

J9909 — Engraved pierced, dinner mounting, two 4-100 ct. diamonds, and 3 genuine sapphires. Each **$36.00**

J9914 — Engraved, pierced belchior mount ng, 15 - 100 ct. diamond, square box setting, 2 trianguar synthetic sapphires. Each **$42.00**

J9916 — Engraved pierced mounting, square top, 20-100 ct. diamond. Each **$52.50**

J9917 — Pierced engraved round belchior mounting, 22-100 ct. diamond with small diamond each side. Each **$65.00**

J9918 — Embossed pierced octagon box mount- [illegible] Each **$75.00**

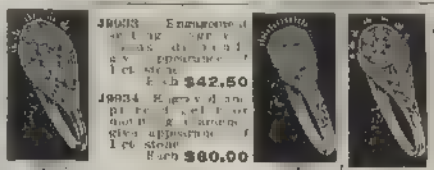
DIAMOND SET WEDDING RING

Sizes 5 to 7. Be sure to specify size.

J9016 — 14k white gold, band engraved, set with 5 diamonds, box style setting. 1 in box. Each **$16.50**

WOMEN'S CLUSTER DIAMOND RINGS

14k solid white gold, diamonds clustered, to give effect of 1 larger stone.



J9933 — Engrossed [illegible] Each **$42.50**

J9934 — Engraved [illegible] Each **$60.00**

J9935 — Pierced engraved [illegible] Each **$78.00**

PARKER "DUOFOLD" FOUNTAIN PENS

With 14k gold pens with hard iridium point guaranteed for 25 years

"Duofold Junior"

4¼ in. long, gold filled pocket clip and band. 1 in box.

J5028—RED Chinese lacquer effect barrel
J5060—BLACK barrel throughout.
J5077—JADE GREEN barrel, black ends

Each **$3.75**
4 or more, Each **3.34**
12 or more, Each **3.00**

"Lady Duofold"

4½ in. long, ring attachment, gold filled band. 1 in box.

J5029—RED Chinese lacquer effect barrel
J5061—BLACK barrel throughout.
J5073—JADE GREEN barrel, black ends

Each **$3.75**
4 or more, Each **3.34**
12 or more, Each **3.00**

Full Size "Duofold"

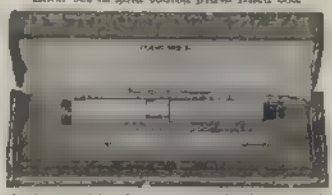
5½ in. long, gold filled pocket clip and band. 1 in box.

J5027—RED Chinese lacquer effect barrel
J5030—BLACK barrel throughout
J5072—JADE GREEN barrel, black ends

Each **$6.25**
4 or more, Each **4.67**
12 or more, Each **4.20**

PEN AND PENCIL SETS

Each set in gold tooled plush lined box



"Lady Duofold" 4½ in. pen, gold filled barrel and ring attachment, 4½ in. pencil

J5078—RED Chinese lacquer effect barrels.
J5079—JADE GREEN barrels, SET (2 pcs) **$5.33**
4 sets or more, SET (2 pcs) **4.80**

"Duofold Junior" 4¼ in. pen, gold filled pocket clip, 5 in. Duofold pencil

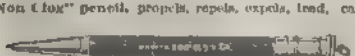
J5074—RED Chinese lacquer effect barrels.
J5080—JADE GREEN barrels, SET (2 pcs) **$6.41**
4 sets or more, SET (2 pcs) **5.67**

Full Size "Duofold"—5½ in. pen, gold filled pocket clip, 6½ in. Duofold "Big Brother" pencil

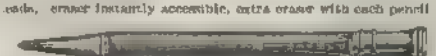
J5075—RED Chinese lacquer effect barrels.
J5081—JADE GREEN barrels, SET (2 pcs) **$8.26**
4 sets or more, SET (2 pcs) **7.34**

PARKER "DUOFOLD" PENCILS

"Non Clog" pencil, propels, repels, expels, lead, carries 12 leads, eraser instantly accessible, extra eraser with each pencil.



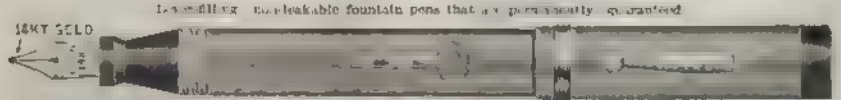
"Lady Duofold" [illegible] cap and ring eraser. Matches "Lady Duofold" pen [illegible]
J5007—JADE GREEN
Each **$2.25**
4 or more, Each **2.00**
12 or more, Each **1.80**



Duofold "Big Bro"—5½ in. long, gold filled cap, pocket clip, matches "Duofold" fountain pen. 1 in box.
J4003—JADE GREEN
Each **$3.00**
4 or more, Each **2.67**
12 or more, Each **2.40**

"CRAFTSMAN" FOUNTAIN PENS

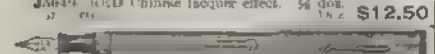
Lever filling, non-leakable fountain pens that are permanently guaranteed.

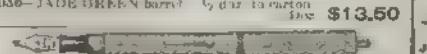


"Craftsman Oversize" 5 in. long, [illegible] unbreakable holder, [illegible] screw cap, gold filled band, pocket clip, self filler, 14k gold pen, large rich ink [illegible] guaranteed leakproof, all the features of more costly pens. Each in box.

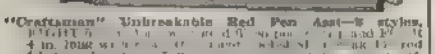
J5049—RED Chinese lacquer effect. ½ doz. [illegible] Doz **$12.50**

J5050—JADE GREEN barrel. ½ doz. [illegible] Doz **$13.50**

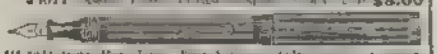




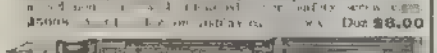
Women's Craftsman [illegible] gold gem pen [illegible] Each in box.
J5147—RED Chinese lacquer effect [illegible] Each **$2.50**
J5148—JADE GREEN



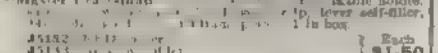
"Craftsman" Unbreakable Red Pen Asst—6 styles, [illegible] 4 in. long [illegible] Each in box.
J5011—Asst. [illegible] Doz **$8.00**



"Craftsman Red Top Pen Asst—6 styles [illegible] Each [illegible] iridium point. [illegible] Each in box.
J5004—Asst. [illegible] Doz **$8.00**



"Master Craftsman [illegible] non-leakable holder, [illegible] clip, lever self-filler, [illegible] Each in box.
J5152—RED Chinese [illegible] Each **$1.50**
J5153—JADE GREEN



"Professional Craftsman [illegible] pen [illegible] Each in box.
J5151—RED Chinese lacquer effect
J5152—JADE GREEN
Each **$3.25**

"CRAFTSMAN" FOUNTAIN PEN DESK SETS

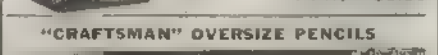
Pen stand with "Craftsman" high grade fountain pens. Non-leakable.

Pen 8½ in., tapering holder, 14k solid gold self hard iridium point [illegible] and holder for pen [illegible] in box.

J5167—All black pen and hold [illegible] SET (2 pcs) **$2.25**

J5165—Jade green pen with black tip, black pen holder. SET (2 pcs) **$3.50**

"CRAFTSMAN" OVERSIZE PENCILS

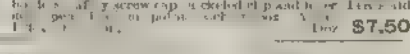


[illegible] gold filled pocket clip and cap
J5151—RED [illegible] Each **$1.60**
J5152—JADE GREEN [illegible] **1.50**

"JUMBO" FOUNTAIN PEN ASST.

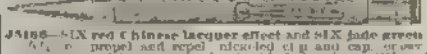
J5010—5½ in. [illegible] red Chinese lacquer effect and jade green [illegible] Doz **$7.50**

GIANT "MARXTON" PENCIL ASST.

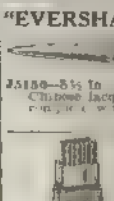


J5186—SIX red Chinese lacquer effect and SIX jade green [illegible] propel and repel nickeled clip and cap, eraser [illegible] with reserve lead. Assts 1 doz. in partitioned [illegible] display box. Doz **$4.20**

"EVERSHARP" AUTOMATIC PENCIL



J5150—5½ in. nickel [illegible] Chinese lacquer [illegible] Doz **$8.00**



WAHL "EVERSHARP" LEADS

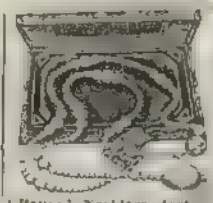
Red Top—Black [illegible] writing and [illegible] 1 doz. tubes in box.

J5017—B [illegible]
J5018—H [illegible]
J5019—F, Firm. [illegible]
Doz. tube **$1.08**

Our Terms **2%** 10 DAYS 1% 30 DAYS NET 60 DAYS

PEARL BEAD NECKLACES

"Special" Pearl Bead Necklace [illegible] an assortment of pearls [illegible] fine silver pearl set clasp. Each in white satin lined box. Each
J5765—15 in. choker $1.00
J5766—24 in long 1.50



"Ruth" Necklace Assortment [illegible] Each
J5770 Assld [illegible] in carton. Each $1.65

"Rama" Pearls [illegible] Each $1.75
J5768 [illegible] 2.00
J5769 [illegible] 2.25

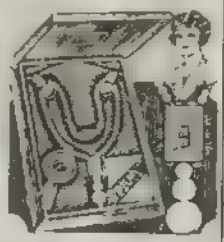
"Peacock" 3-strand Necklace—15, 16½ and 18 in. small refined graduated indestructible beads, real pearl nacre coating cabochon pearl [illegible]
J5781 Each in [illegible] box satin [illegible] ribbon tag and $5.00 price ticket Each $2.50

"RICHELIEU" PEARL BEAD NECKLACE

J8738—34 in. graduated beads, perfectly matched beautiful opa nescco, 14k white gold diamond set safety clasp. Each in fancy grain leather covered box, satin lined Each $15.00

"DELTAH" PEARL BEAD NECKLACES

Widely advertised, guaranteed to wear and retain color



J5771 "Diana," 24 in. [illegible] solid indestructible [illegible] with [illegible] Each $3.50

J5772 "Peter Pan," 15 in. [illegible] with silver ingret safety clasp. Each in leatherette covered box [illegible] $4.00

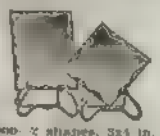
J8773—3 strands, 15, 16 and 18 in. lengths, graduated, solid indestructible beads, opalescent, small refined graduation, pearl set sterling silver clasp. Each in satin lined leatherette-covered box Each $5.00

J8774 — "Aileen," 24 in. graduated solid indestructible opalescent beads, beautiful luster cream-rose tints. 14k white gold safety clasp set with diamond. Each in satin lined leatherette covered box Each $6.00

MIRRORS

CHIPPED BEVELED PLATE GLASS MIRROR

Cleanly chipped, beveled plates, clear reflectors, silvered backs, board covered, heavy wire easels, packed to prevent breakage

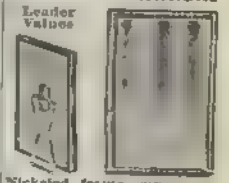


J1000—2 shapes, 3x4 in. oblong 3x3 in diamond. Assld 1 doz in box [illegible] Doz 65c

3 Shapes—Assld. 1 doz. in box Doz
J1001—3x5 4x4 4x4 $0.85
J1002—4x6 5x5 4x4. 1.10
J1008—5x8 5x5 5x5. 1.45
J1010—3 shapes, 7x7 in., diamond, 6x6 in. oblong, 7x7 in. square, ½ doz in carton Doz $2.10.

METAL FRAME EASEL BACK MIRRORS

Leader Values



Nickeled frame, clear plate reflector, board back, with attached wire easel [illegible] Doz
J1012—3½x5½ in... $2c
J1014 [illegible] .$0.05
J1014 [illegible] 1.35
J1015 [illegible] 1.65

2 finished fancy embossed gilt [illegible] board back [illegible] wire [illegible] Doz $1.10
J1016 [illegible] 1.60
J1006 [illegible] 1.75

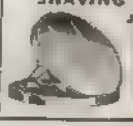
POCKET MIRRORS

J1032 2½ in. round clear mirror, [illegible] Doz 35c

J1034 4 designs in [illegible] Doz 69c

J1022 [illegible] has [illegible] nickel [illegible] Doz 95c

NICKEL PLATED SHAVING MIRROR



J1041 [illegible] Doz 84c

OPTICAL GOODS

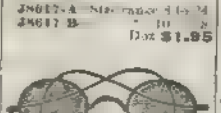
RIMMED SPECTACLES

Clear glass lenses in assorted sizes or focus numbers with riding temple bows, saddle nose

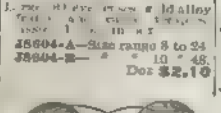
1-eye [illegible] lenses, gold [illegible] frame and temples Assld 1 doz. in box.
J8607-A—Size range 8 to 16
J8607-B— " " 18 " 24
J8607-C— " " 18 " 48
Doz 80c

O-eye lenses, gold alloy frame and cable temples. Assld. 1 doz. in box.
J8617-A—Size range 8 to 24
J8617-B— " " 10 " 24
Doz $1.95

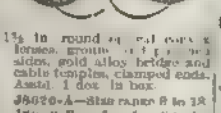
O-eye [illegible] lenses, gold alloy frame and [illegible] temples. Assld 1 doz. in box.
J8621-A—Size range 8 to 16
J8621-B— " " 10 " 24
J8621-C— " " 12 " 48
Doz 95c



O-eye, nickeled frames, straight temples. Assld. 1 doz. in box.
J8606-A—Size range 8 to 24
J8606-B— " " 10 " 24
J8606-C— " " 12 " 48
Doz 89c



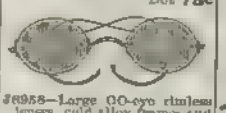
O-eye [illegible] lenses, gold alloy frame and temples. Assld 1 doz. in box
J8601-A—Size range 8 to 16
J8601-B— " " 10 " 24
J8601-C— " " 12 " 48
Doz $1.60



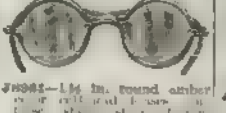
1½ in round optical convex lenses, ground [illegible] sides, gold alloy bridge and cable temples, clamped ends. Assld. 1 doz. in box.
J8620-A—Size range 8 to 18
J8620-B— " " 8 to 40
J8620-C— " " 10 " 50
J8620-D— " " 14 " 24
Doz $3.95

SUN GLASSES AND GOGGLES

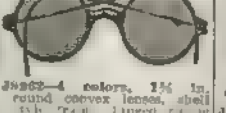
J8729 — O-eye lenses, gold alloy frames and temples, assld. smoke and amber color. 1 doz. in box.
Doz 75c



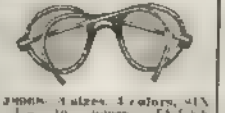
J8958—Large OO-eye rimless lenses, gold alloy frames and temples, assld. smoke and amber color. 1 doz. in box
Doz 75c



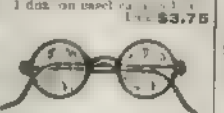
J8961—1¼ in. round amber [illegible] lenses [illegible] card in box [illegible] Doz 65c



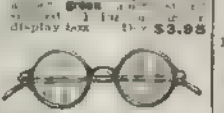
J8962—4 colors, 1¾ in. round convex lenses, shell style frame, hinged temples, brown, assld amber, amethyst, green and smoked. 1 doz. on card in box. Doz $2.10



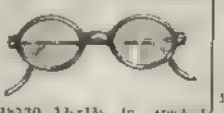
J8968—4 sizes, 4 colors, [illegible] in. lenses, [illegible] 1⅝ in. and TARIFF [illegible] shell style frame hinged riding bows, assld. amber, amethyst, green and smoked. 1 doz. on [illegible] Doz $3.75



J8967—1¾ in. lenses, shell style and crystal [illegible] green [illegible] display box [illegible] Doz $3.98



J8964 [illegible] round convex lenses, tortoise style frames [illegible] box [illegible] Doz $4.25

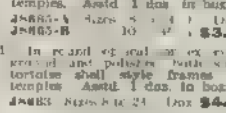


J8730 1½x1⅝ in. smoked lenses, shell style frame, skull and riding bow temples. Assld. 1 doz. in box
Doz $3.60

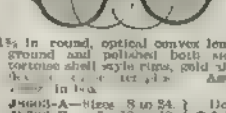
SHELL STYLE RIMMED SPECTACLES

1⅝ in. round optical convex lenses, [illegible] round and polished both sides, [illegible] shell frames and skull temples. Assld 1 doz in bag.
J8865-A [illegible] Doz
J8865-B [illegible] $3.60

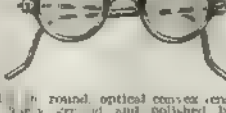
1 in. round optical convex lenses, ground and polished both sides, tortoise shell style frames and temples. Assld. 1 doz. in box.
J8883 Sizes 8 to 24 Doz $4.25



1⅝ in round, optical convex lenses ground and polished both sides, tortoise shell style rims, gold alloy [illegible] in box
J8603-A—Sizes 8 to 24 } Doz
J8603-B— " 10 " 40 } $4.50



1 [illegible] in round, optical convex lenses [illegible] ground and polished both [illegible] comfortably fitting shell style frames and skull temples. Assld 1 doz in box
J8715 sizes 8 to 30
J8716 " 8 " 40 } Doz
J8718 " 10 " 50 } $5.75
J8717 " 14 " 24



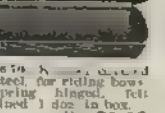
1 [illegible] round optical convex lenses, [illegible] ground and polished both [illegible] [illegible] rims, 10k gold [illegible] [illegible] ring bows [illegible]
J8711-A [illegible] 30
J8711-B [illegible] 40 } Doz
J8711-C [illegible] 50 } $8.50
J8711-D [illegible] 24

SPECTACLE CASES

J8835—1 [illegible] kerratol, for round eye, shell rim spectacles with riding bows or skull temples snap fastener 1 doz. in box.
Doz 84c

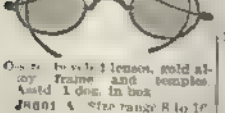
J8870—[illegible] covered steel, for riding bows, spring hinged, felt lined 1 doz in box.
Doz $1.10

CELLULOID EYE SHADE



J8874 [illegible] transparent [illegible] green [illegible] lens, will not curl or crinkle. 1 doz in box
Doz 87c

WINDY WEATHER AND AUTO GOGGLES



J8931 "Leader," ½ in. round clear lenses, assld. color leather [illegible] 1 doz in box Doz 85c

J8967 1½ in. round clear lenses, assld. color leather [illegible] [illegible] box Doz $1.10

J8935—1¾ in. round clear lenses, fine leather mask [illegible] [illegible] box Doz $1.85

2 in round interchangeable lenses, white metal [illegible] [illegible] screen sides, [illegible] box
J8934 clear lenses $3.25
J8935—Amber color 3.50

Our Terms

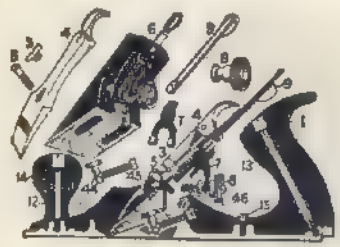
2%

10 DAYS

1% 30 Days
Net 60 Days

EXTRA PARTS FOR STANLEY PLANES

BEDROCK PLANES



No.	Name of Part	No. of Plane	602	603 ᵃc	604 ᵃc	604½ ᵃc	605 ᵃc	605½ ᵃc	606 ᵃc	607 ᵃc	608 ᵃc
3	Cap Screw		$0.10								
4	Lever Cap		.60								
5	" " Screw		.10								
6	Frog Complete		1.00								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
11	Plane Handle		.40								
12	" Knob		.30								
13	Handle Bolt and Nut		.20								
14	Knob " "		.20								
15	Plane Handle Screw					.10	.10	.10	.10	.10	.10
16	Plane Bottom		2.20	2.50	2.50	3.00	3.00	3.20	4.40	6.20	7.00
44	Frog Pin		.20	.20	.20	.20	.20	.20	.20	.20	.20
45	Frog Clamping Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
46	Frog Adjusting Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10

for all numbers

BAILEY IRON PLANES

No.	Name of Part	No. of Plane	1 2	3 3c	4 4c	4½ 4½c	5 5¼ 5¼c	5½ 5½c	6 6a	7 7c	8 8c
3	Cap Screw		$0.10								
4	Lever Cap		.50								
5	" " Screw		.10								
6	Frog Complete		.70								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
10	Frog Screw		.10								
11	Plane Handle		.40								
12	" Knob		.30								
13	Handle Bolt and Nut		.20								
14	Knob " "		.20								
15	Plane Handle Screw					.10	.10	.10	.10	.10	.10
16	Plane Bottom		1.70	2.00	2.00	2.40	2.40	2.40	3.30	4.70	5.70
46	Frog Adjusting Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10

for all numbers

BAILEY WOOD PLANES

No.	Name of Part	No. of Plane	22	24 25 35	26	27½	28	31	32	36	37
3	Cap Screw		$0.10								
4	Lever Cap		.40								
5	" " Screw		.10								
6	Frog Complete		.60								
7	"Y" Adjusting Lever		.10								
8	Adjusting Nut		.20								
9	Lateral Adjusting Lever		.20								
10	Frog Screw and Bushing		.20								
11	Plane Handle			.20	.20	.20	.20	.20	.20	.20	.20
12	" Knob		.20	.20	.20	.20	.20	.20	.20	.20	.20
13	Handle Bolt and Nut			.20	.20	.20	.20	.20	.20	.20	.20
14	Knob Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
16	Plane Bottom		.60	.60	1.00	1.00	1.40	1.60	1.70	1.00	1.40
17	Top Casting		.40	.40	.40	.40	.40	.40	.40	.40	.40

for all numbers

BAILEY AND STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	9½ 9¾	15 15½	16 17	18 19	60 60½	62	61 63	65	65½
1	Single Plane Iron		For Prices see page								
4	Lever Cap		.20	.20	.30	.40	.30	.30	.30	.40	.20
5	" " Screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
6	Frog Complete						.20	.20	.20	.20	.20
7	Adjusting Lever		.10	.10	.10	.10					
8	Adjusting Nut		.20	.20	.20	.20	.20	.20	.20	.20	.20
9	Lateral Adjusting Lever		.20	.20	.20	.20					
11	Plane Handle		.50	.50				.60			
16	Plane Bottom		1.40	1.50	1.50	1.50	1.20	3.50	1.00	1.50	1.50
21	Eccentric Plate		.20	.20	.20	.20	.20	.20	.20	.20	.20
22	Finger Rest Knob		.20	.20	.20	.20	.20	.30	.20	.20	.20

STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	100 101	102 103	110	120	130	131	140	203	220
1	Single Plane Iron		For Prices see page								
4	Lever Cap		.10	.20	.20	.20	.20	.20	.30	.20	.20
5	" " Screw							.10	.10	.10	.10
6	Frog Complete					.30		.30	.20	.20	.20
8	Adjusting Nut							.20	.20	.20	.20
12	Plane Knob				.20	.20	.20	.30	.30	.30	.30
16	Plane Bottom		.20	.40	.50	.60	.70	1.40	1.50	.50	.80
18	Detachable Side								.50		
19	Side Screw (Pair)								.20		

CABINET SCRAPERS

STANLEY

Japanned, Raised Handles, Tool Steel Blade

The blade may be sprung to a slight curve by means of a Thumb Screw giving ease of operation and quickness of cut. Each

No. 80—11 in. Long, 2⅝ in. Blade, Weight Each 1¾ Lbs. **$1.45**

Extra Blades ..... **.80**

One in a Box.

STANLEY WOOD FACE

Nickel Plated, Raised Handles, Tool Steel Blade

This Scraper has a Rosewood Face for use in the finest cabinet work. Each

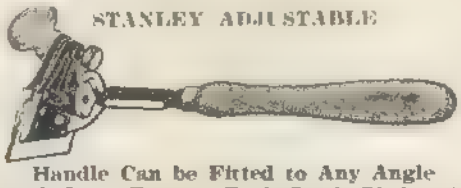
No. 81—10 in. Long, 2⅛ in. Blade, Weight Each 2¼ Lbs. **$2.35**

Extra Blades ..... **.30**

Extra Rosewood Bottom ..... **.50**

One in a Box

STANLEY ADJUSTABLE



Handle Can be Fitted to Any Angle

Japanned Iron Frame, Tool Steel Blade, Adjustable Hardwood Handle and Knob, Holds Blades of different forms and widths. Each

No. 82—14½ in. Long, 3 in. Blade, Weight Each 1¾ Lbs. **$1.90**

Extra Blades ..... **.30**

One in a Box

STANLEY SOLID-SET

Particularly Adapted for Floor Work

Single Handle, Non-Adjustable Tool Steel Blade, Sharpened at Both Ends, Japanned Body, Hardwood Handle Securely Fastened. Each

No. 282—13 in. Long, Blade 3 in. Wide, Weight Each 1½ Lbs **$1.50**

Extra Blades ..... **.30**

One in a Box

STARRETT UNIVERSAL

Stained Hardwood Handle and Grip, Tool Steel Blade

Has eight sharp cutting edges perfectly ground. Ball Joint Handle, locked or released by a slight turn, can be Locked at any angle. Each

1¼ Lbs. **$1.50**

No. 194—7 in. Handle, Blade 3x4½ in., Weight Each

Extra Blades ..... **.30**

One in a Box

HAND SCRAPERS

STANLEY

No. 0—High Grade English Steel, Special Temper

Size, Inches....	2x4	2½x5	3x4	3x5	3x6	3½x6
Wt. Dozen, Lbs.	1½	2	2	2½	3	3¾
Each	$0.40	.45	.40	.45	.55	.55

Six in a Box

DISSTON HAND

High Grade Steel, Tempered and Polished

Size, Inches.....	3x4	3x5	3x6	3½x6
Weight Dozen, Lbs.	1½	1¾	2	3
Per Dozen	$1.75	2.00	2 50	3 30

Per Dozen

No. 24—Assorted, 2x4 in. to 3x6 in., Weight Per Dozen 2 Lbs. **$2 50**

One Dozen in a Box.

DISSTON ACME

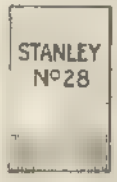
No. 120—High Grade Steel, Tempered and Polished

Ground Even Gauge, Dressed on Edges, Straw Color Finish.

Size, Inches	3x5	3x6
Gauge, Inches	16	16
Per Dozen	$5.50	5 50

One-Sixth Dozen in a Box

TOOTHING CUTTERS



High Grade English Steel, Specially Tempered

For use in Nos. 12, 12½ and 112 Scraper Planes. They will do excellent work in scraping off old paint or glue and in roughing up the surface of wood preparatory to veneering

Nos.	28A	28B	28C
Teeth Per Inch.....	22	28	32
Each	$0 85	85	.85

Six in a Box

CABINET BURNISHERS

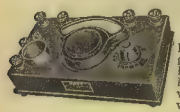
For turning Edges of Cabinet Scrapers. Polished and Hardened Oval Steel Blade, Varnished Hardwood Handle, Brass Ferrule

Per Dozen

No. 1—4½ in. Blade, Weight Per Dozen 3 Lbs. **$6 00**

One Dozen in a Box.

RADIO ACCESSORIES AND PARTS



RADIO TUBE TESTERS
HOYT MODEL 100
6 Volt Scale.

Mahogany base; bakelite knobs and binding posts; white glass covered dial with large black numerals. Consists of a high grade moving coil meter with three scales, specially wound rheostat, standard socket to which may be fitted adapters and the necessary binding posts and connections. Both A and B batteries are required to operate tester and with their use a condition is produced in tube such as exists in the set where by pressing two buttons, first the plate current and then the plate and grid combined may be measured. Designed to detect open circuits, short circuits between plate and grid or between grid and filament, low vacuum or poor emission. Complete with instructions and chart for operating.

Each

No. 100—Base 5x9 ins ..... ✤$32 50

One in carton; wt each 4 lbs.

TUBE REJUVENATORS
JEFFERSON
For 201A, 301A, UV199 and C299 Type Tubes.

Designed to rejuvenate exhausted radio tubes and keep them to their full efficiency and greatly increase their length of life; by so doing makes it unnecessary to turn the filament high to secure proper tube operation. This prevents excessively heating the filaments and keeps the tubes from burning out prematurely.

Complete with 6 feet of cord and separable plug for attaching to regular alternating current lighting circuit; operates on 100 to 120 volts, 50 to 133 cycles.

No.

1 to 12, Each 175

12 or more, Each 14 55

One in box; wt each about 5 lbs. ..... 13 50 / *$7 50*

LOUD SPEAKERS
PATHE, CATHEDRAL
Cone Type.

Cast metal base and border, antique gold and polychrome finish. Heavy non-warping parchment sound reproducer held rigidly in place by metal border. Equipped with 6 feet of silk covered cord and screw for adjusting the tone.

Each

No. C—Height over all 21¾ ins; diam 18 ins ..... 68 55 / *$30 00*

One in carton; wt each 15 lbs.

PATHE, GRECIAN MODEL
Cone Type.

Cast metal border and ornament, rich gold finish.

Because of the area of the diaphragm of the cone, a small proportion of its surface is kept rigid by the cast metal border than is the case of the smaller diaphragm, therefore a larger percentage of the cone vibrates and the range of pitch of the cone is wider.

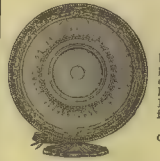
Each

No. 6—Height 17¼ ins; width 15¼ ins ..... 56 25 / *$25 00*

One in carton; wt each 6 lbs.

✤**F. O. B. Massachusetts Factory Only.**

RADIO ACCESSORIES AND PARTS
LOUD SPEAKER



TOWER, Cone Type.

Ornamental cast metal base, brown crystal lacquer finish; felt padded. Acoustically perfect cone of specially prepared light brown paper, non-warping. Direct drive unit, eight connections from unit to cone.

Height 17½ inches; diameter cone 16½ inches.

No. T5C5

1 to 11, Each 19 95

12 to 47, Each 18 54

50 or more, Each 17 10

One in carton; wt each 7 lbs. *$9 50*

—BRANDES—
Cone Type.

Cast metal base, antique bronze finish. Delivers great volume reproducing speech an music. Resonating chamber brings out low tones enriching the quality of reproduction. Not affected by atmospheric conditions; adjustable unit. Complete with 5 feet of silk covered cord and connections.

Each

No. 1300 Diam cone 15¼ ins; height over all 16⅜ ins 30 00

One in carton; wt each 5½ lbs. *$12 50*

BRANDES, Cone Type.

The diaphragm is the entire cone made of heavy parchment paper, secured at the outer edges to the frame. Actuated by a metal rod running from the apex of the cone to the magnets similar to those of other loud speakers and inclosed in a small round disc. Theoritically the cone speaker should reproduce a wider range of note than a speaker having a smaller diaphragm and horn. For mantel or library table ornament. Dark mahogany finished cabinet. Unit used is of special design; there is a small armature which actuates on the push pull principle that reacts to the faintest impulses, thus reproducing extremely low and high tones. Equipped with 5 foot extension cord.

Each

No. 1000—Height 13⅛ ins; width 10⅛ ins; depth 7¼ ins 69 30

One in carton; wt each 9 lbs. *$35 00*

—OLD KENTUCKY HOME—
Cone Type.

Cast metal base, rich bronze finish; heavy parchment cone, mottled brown finish with gold decorations, gold and black braid around the edges. Adjustable unit mounted on wood eliminating metallic sound. Complete with 5 feet of silk covered cord and connections. May be used on all receiving sets from 90 to 450 volts.

Each

No. OKH-Cone—Diam cone 15 ins; height over all 18 ins 33 90

One in carton; wt each 11½ lbs. *$16 50*

RADIO ACCESSORIES AND PARTS

DETECTOR TUBES

Radiotron.

Operates on Storage Batteries Only.

A vacuum tube detector for amateur and experimental wireless stations. It is not only a detector or spark receptor, but is also an excellent tone frequency amplifier for magnification of the telephone circuits in vacuum tube receiving circuits.

	Each
No. UX-200A—New R. C. A. storage battery detector. This tube is not critical to plate voltage or to filament temperature. In many receivers it will bring about an increase in sensitivity approximating that of an additional step of radio frequency amplification. Filament volts 5.0; filament amperes, .25; plate volts 45.0. Length over all 4 1/2 ins	11 55
One in carton; wt each 1 lb.	*$5 00*

AMPLIFYING TUBES

Radiotron.

Operates on Storage Batteries Only.

A vacuum tube radio and tone frequency amplifier. For magnifying radio and tone frequency currents. Can be shifted from one socket to another in a cascade outfit without loss of signal audibility.

	Each
No. UX201A—Will fit either Navy Type socket or new R. C. A. Standard base socket; diam 1 9/16 ins; height 4 7/16 ins	4 65
	$3 00
No. UX210—New R. C. A. super power amplifying tube; draws 1.25 amperes; designed for use in A. C. operated power amplifiers	20 79
	9 00
One in carton; wt each 1 lb.	

Draws 1/4 amperes; height 4 inches; diameter 1 3/4 inches.

	K-R-201A
No.	
Less than std pkg, Each	$4 05
Std pkg, Each	3 15
50 in standard pkg.	

Will fit either navy type socket or new R. C. A. Standard base socket. Diameter 1 9/16 inches; height 4 7/16 inches.

	KX-201A
No.	
Less std pkg, Each	4 05
Std pkg, Each	3 15
One in cardboard box, 50 in stand pkg.	*$3 00*

	Each
No. UX-171—New R. C. A. storage battery amplifier tube for improvement of quality and volume in storage battery operated receivers; draws 0.5 ampere	13 96
	$6 00
No. UX-112—New R. C. A. storage battery amplifier tube for improvement of quality and volume in storage battery operated receivers; draws 0.5 ampere	15 00
	6 50

Radiotron.

Operates on Dry Batteries Only.

	Each
No. UV199—Designed for Radiola IV and has special base which will fit on Socket UR590 only. Can be used on Standard socket only with UR589 Adapter. Can not be used with ordinary rheostat. Requires Special Rheostat No. PR-539; draws .06 amperes	5 25
	$2 25

Draws .06 amperes; height 3 inches; diameter 1 inch.

	KR-199
No.	
Less std pkg, Each	$4 05
Std pkg, Each	3 15
50 in stand pkg.	

RADIO ACCESSORIES AND PARTS

AMPLIFYING TUBES

	Each
No. WD-11—Radiotron renewal tube for receivers using 1 1/4 volts on the filament; for mounting in regular dry battery sockets; height 4 ins; diam 1 1/4 ins; draws 1/4 ampere	5 85
	$2 50

Radiotron.

	Each
No. UX199—Will fit either Navy type socket or new R. C. A. Standard base socket; diam 1 1/16 ins; height 4 5/8 ins	5 25
	$2 25
No. UX-120—New R. C. A. dry battery power amplifier tube which when connected to last audio stage of a dry battery operator receiver, provides volume double that obtainable from UV-201-A tubes; draws 1.25 ampere	5 85
	2 50

With UX base; draws .06 amperes; height 3 inches; diameter 1 inch.

	KR-199-UX
No.	
Less std pkg, Each	$4 05
Std pkg, Each	3 15
50 in stand pkg.	

	Each
No. MM199A—For Music Master sets; draws .06 amperes	5 25
One in carton; wt each 1/4 lb.	*$2 25*

	Each
No. WX-12—Radiotron renewal tube for receivers using 1 1/2 volts on the filament; with regular base for mounting in storage battery sockets; height 3 ins; diam 1/4 in; draws 1/4 ampere	5 85
	$2 50

TRANSMITTING TUBES—Radiotron.

For low power radio telephone sets and for amatuer C. W. Telegraph sets for transmission up to distance of two hundred miles.

	Each
No. UV-202—5 watt, size 5x2 1/2 ins; draws 2.35 amperes	20 40
One in carton; wt each 1 1/2 lbs.	*$8 00*

RECTIFIER TUBES—Radiotron.

	Each
No. UX-216B—New R. C. A. half wave tube for use in "B" battery eliminates and similar devices. Operates at plate voltages up to 550, with current output of 65 milliamperes	17 34
	$7 50
No. UX-213—New R. C. A. full wave rectifier using input voltages up to 220 per plate. Provides current output of 65 milliamperes	16 17
	7 00

PLAYTHINGS
that increase Sales

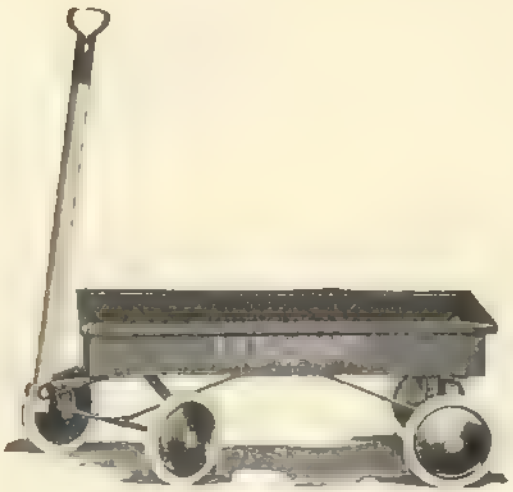
Quality Products at Popular Prices

Their sturdy construction, brilliant and colorful finish and definite appeal to the spirit of outdoor play, will readily sell them.

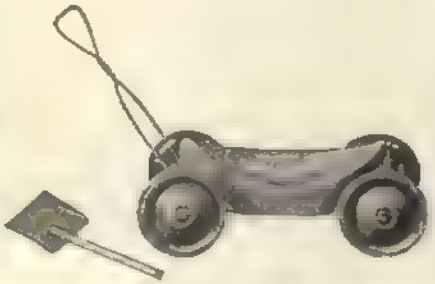
Toy Snow Shovels

Made in 2 Sizes
No. 10—Retail Price 25c Each
No. 12—Retail Price 50c Each

You will get more than your share of year round sales by stocking and displaying these attractive outdoor toys.



Sand Boat and Shovels



Retail Price 50c Each

Traffic Signals

Retail Price $1.00 Each

Humpty Dumpty Carts

Retail Price 50c Each

These Playthings offer the trade an opportunity for quick turnover and a liberal profit.

Write today for Samples or Prices. Orders shipped immediately.
New Catalog Now Available.

The Pressed Metal Products Co.

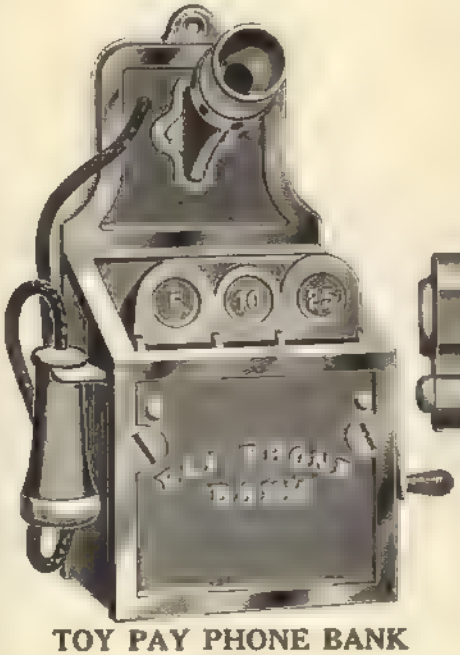
6925 Colfax Road **Cleveland, Ohio**

HERE IT IS!
THE STEVENS 25-50 PISTOL
A FIFTY SHOT REPEATER

POSITIVE ACTION

NOVEL CONSTRUCTION

Uses Any Type of Ammunition



TOY PAY PHONE BANK
No. 128
Height 7½ in. Width 5 in. Depth 3 in.
Polished and Nickel Plated Packed One in a Box

SEE OUR COMPLETE LINE OF BANKS, SAFES, JACKSTONES, RANGES, CAP PISTOLS, ETC.

We Challenge the World on the Quality and Attractiveness of Our Goods

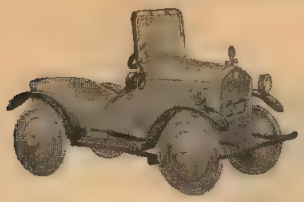
THE J. & E. STEVENS COMPANY

ESTABLISHED 1843 CROMWELL, CONN. INCORPORATED 1869

Is on Display at the Salesrooms of Our Representatives

Riemann, Seabrey Co., Inc., 215 Fourth Avenue, New York
Strobel-Wilken Co., Inc., 33 East 17th St., New York
Geo. P. Paine, 718 Mission Street, San Francisco, Calif.
Welcome G. Young & Son, 118 Bedford Street, Boston, Mass.

STEEL CRAFT HI-SPEED AUTOMOBILES



DODGE ROADSTER

For Children 3 to 7 Years

This is a trim, neat racy little car.

Over-all Dimensions—Length 38 in., width 21½ in.

Color—Brilliant green baked enamel—effectively striped.

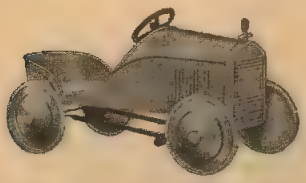
Equipment—Springs, adjustable pedals, bumper, windshield, horn, motometer, designed instrument board, etc.

Wheel—10 in. double disc, with ¾ in. rubber tires.

Weight—Each 61 lbs.

No. M38—With plain crank drive.....each $20.00
No. M39HS—With Hi-Speed drive.....each 23.25

ONE IN A CRATE



DURANT

For Children 3 to 7 Years

The long cutaway hood makes this model very racy.

Over-all Dimensions—Length 37½ in., width 21½ in.

Equipment—Springs, designed instrument board, momometer, horn and adjustable pedals.

Color—Brilliant blue baked enamel finish, with fine striping.

Wheels—10 in. double disc, with ¾ in. rubber tires.

Weight—Each 52 lbs.

No. M45—With plain crank drive.....each $15.85
No. M46HS—With Hi-Speed drive.....each 19.10

ONE IN A CRATE

DODGE FIRE CHIEF

For Children 3 to 7 Years

Overall Dimensions—Length 38 in., width 21½ in.

Color—Body and wheels Fire Chief Red baked enamel, attractively striped.

Equipment—Bumper, steel fenders with steel running boards, springs, adjustable pedals, large nickeled bell with pull cord.

Wheels—10 in. double disc with ¾ in. rubber tires.

Weight—Each 61 lbs.

No. M42—With plain crank drive.....each $18 50
No. M43HS—With Hi-Speed drive.....each 22.80

ONE IN A CRATE

FORD

For Children 2 to 5 Years

Here is a car for the small child. Very moderately priced but high in quality of material, design and workmanship.

Over-all Dimensions—Length 31 in., width 21½ in.

Equipment—As illustrated.

Color—Gray baked enamel, with bright red stripings.

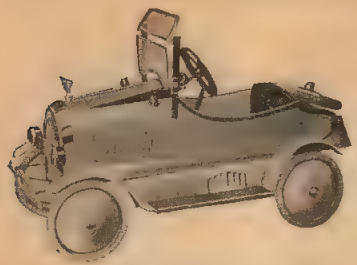
Drive—Plain crank pedal only.

Wheels—8½ in. double disc, ¾ in. rubber tires.

No. M15—Shipping w't each 43 lbs.....$13.70

ONE IN A CRATE

CHILDREN AUTOMOBILES



Body—Length overall 47 in. Wheelbase 32 in. Easy riding springs on rear.

Finish—Playboy blue striped and decorated in black and red. Fenders red. Wheels enameled red with green center and striped in yellow.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Nickel plated double bumper. Metal license plates. Glass headlights with bar. Red and green side lamps. Nickel plated radiator shell of beautiful design. Hood vents. Gear shift. Double windshield. Spotlight. Upholstered seat and back. Extra wheel on rear. Large rubber pedals. Oil can. Nickel plated kick plates. Rubber mats on running boards. Fenders and tail-light.

Wheels—10 in. double disc, roller bearings, with 1 in. rubber tires, nickel plated hub caps.

No. M67—Shipping w't 72 lbs.....each $35.55

ONE IN A CRATE

Body—Length overall 42 in. Wheelbase 30 in. Easy riding springs on rear.

Finish—Green, striped in yellow and red. Fenders red. Wheels enameled red with green center and striped in yellow.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Nickel plated double bumper. Metal license plates. Glass headlights with bar. Double windshield. Spotlight. Hood vents. Gear shift. Upholstered seat. Large rubber pedals. Nickel plated radiator shell of beautiful design. Oil can. Nickel plated kick plates. Rubber mats on running boards. Gas tank. Fenders and tail-light.

Wheels—10 in. double disc, roller bearings, with 1 in. rubber tires, nickel plated hub caps.

No. M75—Shipping w't each 70 lbs.....each $25.65

ONE IN A CRATE

Body—Length overall 45 in. Wheelbase 32 in. Easy riding springs on rear.

Finish—Gray, striped in red and black. Fenders red, wheels enameled red with green center and striped in yellow.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Nickel plated double bumper. Metal license plates. Glass headlights with bar. Red and green side-lights. One-piece windshield. Spotlight. Hood vents. Gear shift. Upholstered seat. Nickel plated radiator shell of beautiful design. Trunk. Nickel plated kick plates. Rubber mats on running boards. Oil can. Fenders. Tail-light and Tool kit.

Wheels—10 in. double disc, roller bearings, with 1 in. rubber tires, nickel plated hub caps.

No. M76—Shipping w't each 72 lbs.....each $28.35

ONE IN A CRATE

Body—Length overall 41 in. Wheelbase 30 in. Easy riding springs on rear.

Finish—Tan, striped and decorated in red and black. Fenders black. Wheels enameled red.

Equipment—Auto type molded rubber steering wheel with gas control lever. Horn. Instrument board. Motometer with wings. Bumper. Metal license plates. Drum type metal headlights with bar. One-piece windshield. Spotlight. Gear shift. Large rubber pedals. Nickel plated radiator shell of beautiful design. Nickel plated kick plates. Rubber mats on running boards. Oil can. Fenders and tail-light.

Wheels—10 in. double disc, plain bearings, with ⅞ in. rubber tires, nickel plated hub caps.

No. M73—Shipping w't each 63 lbs.....each $22.75

ONE IN A CRATE

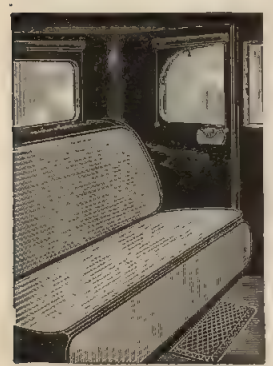
SEAT PADS.

EVR-KLEAN.

Made of finest select flexible woven imported rice straw. Lined on reverse side.

Deluxe. Dimensions: Back 18½ by 18½ in.; seat, 18½ by 18½ in.; front flap, 7½ in. wide, 18½ in. long. Wt., 2½ lbs. .....Each **$2 00**

OVR-ALL.



The patented cloth hinge, joining seat and back members of pad is made extra wide so it can be tucked deep into the crevice between seat cushions to hold the seat pad in proper position and retain a neat appearance The cloth strip at top of seat pad is drawn over the top of seat cushion and fastened to the rear edge of upholstering which holds the back member of seat pad in perfect position as illustrated.

No. 33. Seat and back, 18x38 inches; front flap, 7x38 inches. Wt., 4¼ lbs. .....Each **$3 50**

GEAR SHIFT BALLS.

PEDRARA ONYX.

These beautiful handles replace the hard rubber ball on top of the gear-shift lever on your automobile. You simply unscrew the old ball and screw on the onyx ball. They are beautiful beyond description, with delicate colorings of pink, green, yellow, brown, cream and white, all highly polished, and, being nature's product, no two are alike. They are always clean to the touch and comfortable to handle, and very smart.

Onyx. Assorted colors. Wt., ¼ lb. .....Each **$2 00**

10 in a box.

Mention model of car and name so proper adaptors can be sent.

Order by Number.

CAR SPECIFICATIONS.

BALL No. 1

(All interchangeable bushings fit into this ball also.)

Apperson 1925, Buick, Chandler, Chevrolet, Davis, Durant, Locomobile, Oakland, Oldsmobile 1922 and 8 cyl., Stearns-Knight '24, Stutz 4 cyl.

BALL No. 2

Anderson, Apperson to '25, Columbia, Crawford, Cunningham, Dagmar, Daniels, Grant, Holmes, Hupmobile, King '17 '19, Leach, Liberty '17-'19, Maxwell, McFarland Six, National '20, Patterson, Peerless, Pierce-Arrow Little 6, R & V Knight, Reo, Revere, Velie to '24.

BALL No. 3

Auburn '25, Dodge, Dusenberg to '25, Ford Perfection Axle, Jewett, Lincoln, Moon, Nash, Oldsmobile, Oakland '24, Overland, Paige, Rickenbacker, Stutz Six, Wills St. Claire, Willys-Knight.

BALL No. 4

Allen, Crow Elkhart, Essex, Hudson Super Six, Huffman, Jackson '17-'21, Saxon.

CAR SPECIFICATIONS.

BALL No. 5

Cadillac, Case, Chandler '24, Chevrolet '22, Cleveland, Dort, Dusenberg, Franklin ,Gardner to '25, Jordan '24, LaFayette, Pierce-Arrow Big 6, Star to '25, Stephens '23.

BALL No. 6

Chalmers '24 Chrysler, Comet, Commonwealth, Dixie Flyer, Elgin Sport, Haynes "-'23, Interstate, Kissel Kar, Locomobile to '24, Pathfinder, Pilot, Rickenbacker to '24, Roamer, Tulsa, Westcott.

BALL No. 7

Auburn to '25, Dorris, Gardner, Kissel Kar '22 and Sport, Lexington, Packard Six and Eight, Sheridan, Winton Six.

BALL No. 8

Studebaker Special and Big Six to 1925.

BALL No. 9

Studebaker Little Six to '25, Studebaker all 1925 models.

BALL No. 10

(Not interchangeable).

H. C. S. '24.

BALL No. 11

(Not interchangeable).

Franklin to '22.

BALL No. 12

Cleveland to '23, Dort to '22, Elgin, Monroe, Stephens Salient Six to '23.

BALL No. 13

Earl.

BALL No. 14

(Not interchangeable.)

Jordan to '24 .

BALL No. 15

Hupmobile Straight Eight.

BALL No. 16

Packard 12, Rolls-Royce.

BALL No. 0

Flint, Rollin, Jordan Eight, Locomobile Jr. 8, Star, Velie.

RESPIRATORS.

No. 76. Made to prevent the inhaling of dust of all kinds. Has aluminum body with moulded rubber cushion to rest against face; filter is of pliable wool felt, which allows natural breathing; can be used either wet or dry; fitted with wire screen in front and back of filter.....Each **$2 00**

GAS TANK CAPS.

STAR ALUMINUM.

No. 1 Cap fits—Chandler 1918-23 Chrysler, Gray, Flint, all models, Oakland 1918-23, Elgin Six 1918-25, Hupmobile 1919-23, Cleveland to 1923, Scripps Booth all models, Stephens Salient Six all models, Commonwealth all models, Crow Elkhart Models 1917-25, Metz Master Six all models, Moon all models, Gardner all models, New Chevrolet 490—Superior—1924-25, Durant Four 1924-25, Reo—6—1925, Oldsmobile—6—Model 30, Oldsmobile 1924-25.

No. 2 Cap fits—Crow Elkhart 16 Model 33, Jackson 34-A-17, Studebaker Four and Six 1919-25, Dodge all models, Chevrolet 1920-23 only, Jordan Six all models, Cole Eight all models, Premier 1917-18, Kissel Six all Models, Comet all models, Allen 37 Model, Liberty Six, Packard Single Six 1923 to 25, Jewett H 1923-25, Durant Six all models, Anderson all models, Baby Grand Chevrolet.

No. 3 Cap fits—Mitchell Six 1918 to 24, Haynes Six 1817 to 24, Saxon 1918 tot 24, Columbia Six 1919 to 25, Lexington 1919 to 25.

No. 4 Cap fits—Buick 1917 to 18, National 1916 to 17.

No. 5 Cap fits—Cadillac Eight all models, Willys-Knight 1924.

No. 6 Cap fits—Chandler 1914 to 17, Peerless all models.

No. 7 Cap fits—Hudson Super Six, Oldsmobile Eight all models, Oldsmobile 43 1916-17, Apperson Six and Eight 1920 to 25.

No. 8 Cap fits—Studebaker Four and Six 1916-17-18.

No. 9 Cap fits—Essex all models, Grant Six 1918 to 25, Velie 1920 to 25, Dort all models, Winton 1918 to 25, Columbia Six all models, Templar all models, Lincoln all models, King Eight all models, Buick—6—45—1923, Buick 1922 to 25, Hudson 1923 to 25, Hupmobile 1924-25.

No. 10 Cap fits—Overland 84—45—90 models, Dorris all models, Willys-Knight all models, cunningham all models.

No. 11 Cap fits—Buick 7-pass cars, 1920-21-22 only.

No. 12 Cap fits—Franklin all models, Studebaker Light Six 1920-21-22-23-25, Maxwell all models, Rickenbacker Six 1923 to 25, Chalmers 1923 to 25, Davis all models.

No. 13 Cap fits—Reo all models to 1923.

No. 14 Cap fits—Chalmers 1920 to 1922.

No. 15 Cap fits—Paige 1923-24-25.

No. 16 Cap fits—Nash 1923-24-25.

No. 17 (Clamp Cap) fits—Buick—6—45—1924-25, Star all models, Chandler 1924-25, Cleveland 1924-25, Jordan 8 1924-25.

No. 18 Cap fits—Overland 4 (mystery).

No. 19 Cap fits—Chevrolet 1925 models, Studebaker Light Six 1924, Studebaker Standard Six 1925.

Star Aluminum. Wt. ea., 3 ozs..Ea. **$1 00**

Star Aluminum Assortment. One doz. best sellers on display card.Assmt **$12 00**

ORNAMENTS.

EAGLE WING.

An ornament that makes the ordinary car look smart. Wings are engraved and drilled for any size motometer.

Eagle. 10 in. from tip to tip. Made of brass, nickeled. Wt., ½ lb...Each **$1 25**

One in a Box.

RADIATOR CAPS.

Made of bronze, heavily nickel-plated; straight bar pattern; drilled with standard hole for motometer.

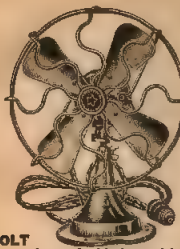
No. 1. Ford length, 6½ in. Wt. ¾ lb.....Each **$1 25**

No. 2. Chevrolet length, 6½ in. Wt., ¾ lb.....Each **$1 25**

FORD.

Ford. Unbreakable; with brass insert and threads. Wt., ¼ lb.....Each **$0 40**

STAR ELECTRIC FANS



110 VOLT

Base, guard, and blades nickel plated. Felt bottom.

No. H480E—8 in. **Non-Oscillating** Universal, operates on A. C. or D. C. Current, one speed, w't 6½ lbs., each $10.10

No. H490E—10 in. **Non-Oscillating** Universal, operates on A.C. or D. C. current, one speed, w't 7 lbs., each $15.55

No. H500E — 10 in. **Oscillating** Universal, operates on A. C. or D. C. Current, three speed, w't 7½ lbs. ..... each $21.00

"POLAR CUB," DESK AND BRACKET

UNIVERSAL MOTOR, for direct current 110 volt or alternating current 110 volt, 60 cycle, one speed, no switch, die cast frame, spot welded guard, adjustable to any angle, motor black enameled, mica filled commutator rustproof, frosted brass blades, base finished in rich velvet black, equipped with 5 ft. cord and plug.

Made only for 110 volt circuit.

No. D450E—Model "H", 6 in. diam., 8 in. to top of guard, 6 in. to top of motor, w't 3 lbs. ..... each $6.65

No. D460E—Model "9," 9 in. diam., 10¼ in. to top of guard, 7½ in. to top of motor, w't each 5 lbs., each $8.35

No. H510E—10 in., Universal motor, direct or alternating current, 110 volt, 60 cycles. Black enameled finish with brass plated blades, and heavy wire guard. Automatic spring relief in oscillator movement against contact. Porcelain insulated speed control, two speeds and stop. Height 13¼ in., width 10¼ in. Complete with cord and plug, w't 7 lbs., each $15.55

ONE IN A CARTON

"PEERLESS" DESK AND BRACKET FANS

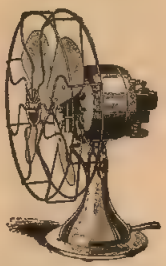
Finish—The brass blades are highly polished and lacquered. Base and other parts baked on black enamel.

Construction—Cast enclosing shells and base, can be adjusted to any angle desired, either for a bracket or desk fan. The construction is simple and the field of service large. Large air velocity with minimum current consumption.

Speeds—Has four point switch for three speeds, namely, low, medium and high, ranging from 900 to 1500 revolutions per minute.

Equipment——8 ft. cord and attachmment plug included.

OSCILLATING.



PEERLESS oscillating fans can be used either as a desk or bracket fan without the use of an adaptor.

They are designed to move from side to side through a desired angle, thus distributing the air over a larger area than with a stationary fan.

DIRECT CURRENT

110 Volt.

No. H1212E—12 in. diam., 3 speeds, 960, 1460 and 1860, w't boxed 40 lbs., each $48.30

No. H1216E—16 in. diam., 3 speeds 800, 1100 and 1400, w't boxed 60 lbs., each $56.65

ALTERNATING CURRENT

110 Volt, 60 Cycle.

No. H4112E—12 in. diam., 3 speeds, 900, 1400 and 1600, w't boxed 40 lbs., each $48.30

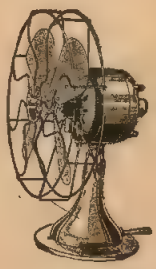
No. H116E—16 in. diam., 3 speeds, 900, 1375 and 1550, w't boxed 50 lbs., each $56.65

UNIVERSAL CURRENT

Operates on A. C. or D. C. Current.

No. H4110E—10 in. diam., 3 speeds, 900, 1400 and 1600, w't boxed 40 lbs., each $35.20

SWIVEL AND TRUNNION TYPE. NON-OSCILLATING



DIRECT CURRENT

110 Volt.

No. H112E—12 in. diam., 3 speeds, 900, 1400 and 1800, w't boxed 27 lbs., each $40.90

No. H116E—16 in. diam., 3 speeds, 850, 1150 and 1500, w't boxed 35 lbs. ..... each $46.20

ALTERNATING CURRENT

110 Volts, 60 Cycle.

No. H1112E—12 in. diam., 3 speeds, 900, 1200 and 1600, w't boxed 30 lbs., each $38.30

No. H1116E—16 in. diam., 3 speeds, 900, 1400 and 1550, w't boxed 38 lbs., each $43.30

Prices furnished on application for 25 cycle fans.

Factory Shipments, 32 and 220 Volt Fans can be shipped from Warren, Ohio, factory. Prices on application. Voltage desired must be specified in ordering, and if for alternating current, the number of cycles.

Courtesy of Pendleton Woolen Mills *150 Screen Four Color Process Plates*

A PENDLETON INDIAN ROBE

Reproduced from Retouched Black and White photograph and Wash drawing of background.
Halftone negative of latter stripped on Black plate

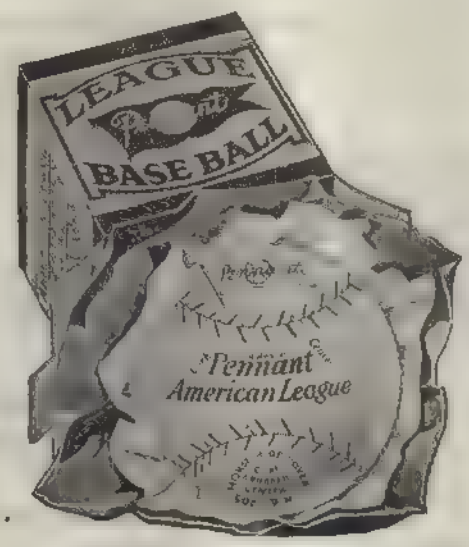
Engraved by WEST COAST ENGRAVING CO., PORTLAND, ORE.

BASEBALL GOODS

From "one-old-cat" to a regular game in the big leagues, we have everything ball players want. And for real "wear and tear," our "Pennant" line is a "clean hit".

"PENNANT" LEAGUE BASEBALLS

Guaranteed to Last 3 Full Games or 27 Innings



Regulation 9 in., 5 oz., wound with best all wool hard twist lively yarn, covered with best selection fine grain alum tanned horsehide, 2 color thread, stitched by highly skilled workmen, each tissue & foil wrapped and sealed in carton. Each ball subject to rigid inspection, any ball not meeting major league standards is rejected

"American" League

1K632—Cork & para rubber center, absolutely guaranteed to last 3 full games or 27 innings. Red & green thread stitched. ½ doz. in box.

DOZ **$11.75**

"National" League

1K633—Pure para rubber center, absolutely guaranteed to last 3 full games or 27 innings, red & black thread stitched. ½ doz. in box.

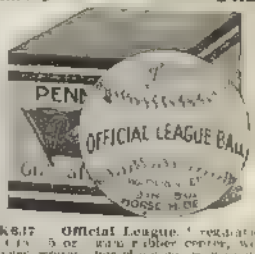
DOZ **$11.75**

"PENNANT" BASEBALLS

Horsehide Cover. Yarn wrapped cork, red thread stitched. In carton 1 doz. in box.
1K627 "Amateur League," 9 in.
1K626 "Junior League," 8½ in.
Doz **$2.00**

1K631 "Major League," 9 in., 5 oz. Horsehide cover, red and white thread stitched, rubber center and wound with best all wool yarn, cover color waxed. Packed each in sealed carton. Guaranteed 9 innings. ½ doz. in box. Doz **$4.20**

1K630 "Special League," 9 in., 5 oz., genuine horsehide cover, red and white thread stitched, rubber center and wound with best all wool yarn, cover color waxed. Packed each in sealed carton. Guaranteed for 3 full games or 18 innings. ½ doz. in box. Doz **$3.75**



1K617 "Official League," regulation size, 5 oz., extra rubber center, wound with best all wool yarn, horsehide cover, red and white thread stitched, cover color waxed. Packed each in sealed carton. Guaranteed for 3 full games or 18 innings. ½ doz. in box. Doz **$8.00**

10c LEADER BASEBALLS

1K621 "Boys' Favorite," 9 in., genuine tanned leather cover, close hand stitched. 1 doz. in box. Doz **80c**

1K644 "Play Ball," 9 in., regulation leather cover, soft cotton filled, closely stitched. 1 doz. in box. Doz **80c**

PLAYGROUND BALLS

Soft Filled

1K642 "Playground," 11 in., genuine tanned split horsehide cover, yarn wound, felt filled. 1 doz. in box. Doz **$2.00**

"Knockabout" Outseam. Genuine tanned split horsehide cover, yarn wound, felt center. ½ doz. in box.
1K644—12 in. Doz **$4.00**

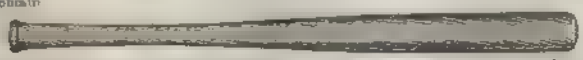
"Scholastic Official" Outseam. Genuine tanned split horsehide cover, triple yarn wound, patent cork center, guaranteed 3 full games or 18 innings. ½ doz. in box.

	Doz
1K652 12 in.	$7.80
1K653 11 in.	8.00

BASEBALL BATS

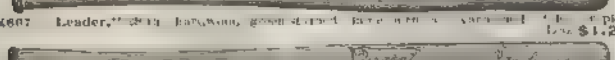
"PENNANT" BASEBALL BATS

The best made and finished popular priced line and the most complete price range that you can obtain

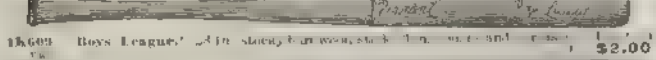


1K519 [illegible] Doz **84c**

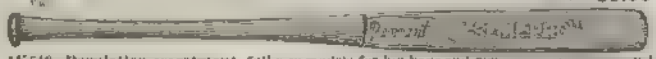
1K607 Leader," [illegible] Doz **$1.20**

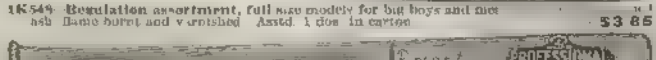


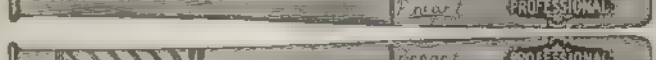
1K609 Boys' League," [illegible] **$2.00**



1K549 Regulation assortment, full size models for big boys and men [illegible] ash, flame burnt and varnished. Asstd. 1 doz. in carton **$3.85**







1K598 Professional" dollar wonder assortment [illegible] Doz **$8.00**

"LOUISVILLE SLUGGER" BATS

Made by "Hillerich and Bradsby"

1K607—(Mfrs 125) Oil tempered asstd. 12 models and finishes. 1 doz. in carton Doz **$16.20**

Autographed Models

Best second growth straight grain ash, seasoned 2 years, best workmanship and finish, balanced models. Sold in any quantity

1K602—Babe Ruth, Jr., 32 in. Doz **Out** | 1K606—Babe Ruth . . . Doz **$16.20**

George Sisler

1K605—George Sisler Doz **$16.20**

Tris Speaker

1K596—Tris Speaker Doz **$16.20**

Ken Williams

1K601—Ken Williams Doz **$16.20**

Ty Cobb

1K600—Ty Cobb Doz **$16.20**

Frank Frisch

1K603—Frank Frisch Doz **$16.20**

Rogers Hornsby

1K599—Rogers Hornsby Doz **$16.20**

"PENNANT" FIELDERS' GLOVES

Youths' Size Glove—Good quality horsehide, felt lined. 1 doz in box
1K430—Black horsehide.
Doz **$4.00**

1K435—Black horsehide, full size professional model, felt lined, welted seams, full fingered, reticulated finger backs, leather lined palm. 1 in box. Each T.O.

1K440—Suede finish Indian smoke tanned leather oversize professional model, green felt lined, full leather lined, welted seams, full fingered, reticulated adjustable lace between thumb and finger. 1 in box. Ea **$1.35**

"Big League" Special—Selected cowhide, light tan horsehide finish, oversized, full welted seams, full leather lined, reticulated adjustable lace between thumb and finger, 1 in box. Each **$1.85**

1K452 "Ultra Professional," tan prime horsehide, first and second fingers, thumb and little finger are detached, full leather lined, padded back, full leather lined, reticulated adjustable lace between thumb and finger, full leather lined palm, full leather lined, rawhide laced, 1 in box. Each **$2.85**

1K453—"Ultra Professional," all dressed up select oil brown calfskin oversize model, full horsehide lined, leather welted seams, full leather lined, padded back, full leather lined, reticulated adjustable lace between thumb and finger, full leather lined palm, full leather lined, rawhide laced, 1 in box. Each **$4.00**

"Dollar Wonder" Horsehide

Light Tan Horsehide Fielders' Glove—Shoulder felt lining, reinforcing back of fingers, patented heel, basket web, fully silhouetted, smaller than professional model. 1 doz in box. Each
1K434 Right hand player
1K444 Left hand player
$8.00

AUTOGRAPHED GLOVES

Duplicates of models used by famous players

Fielders' Glove
"Rogers Hornsby"—Autographed, oil dressed brown horsehide, self lined, leather welted seams, bound and laced, half lined felt pad. 1 in box
1K455 Right hand player
1K456 Left hand player
Each **$6.00**

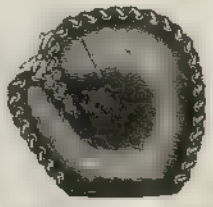
Catchers' Mitt
1K406—"Ray Schalk" autographed model, finest selected heavy golden brown cowhide, heavy padded, full leather lined, patent self adjusting wrist fastener, hand full-length web, layer felt pad, full leather lined, rawhide laced, 1 in box. Each **$6.50**

"Bulldog" Oversize Model

Oil Dressed Calfskin Fielders' Glove—Leather lined, leather welted seams, rolled binding, hand made felt pad with deep roll from thumb to small finger, adjustable lace between thumb and first finger. 1 in box. Each
1K450—Right hand player
1K451—Left hand player
$1.95

"PENNANT" FIRST BASEMEN'S MITTS

1K578—Chrome tanned brown glove leather, bound edge, laced thumb strap and button back. 4 doz in box. Doz Out



1K572—"Winner," big boys' size, horsehide face, leather back and fingers, continuous laced edge, hand padded. 1 in box. Each T.O.

1K420—"Semi-Pro," light tan horsehide, reinforced three layer felt pad, new design back protects hand and wrist. 1 in box. Each **$1.35**

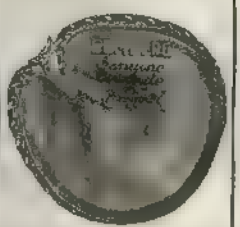
1K421 "Professional" model, oxblood cowhide, full size, full lined, double felt pad, leather wrist protectors. 1 in box. Each **$1.95**

Improved "Crabber" Model—Cream horsehide, extra heavy, full lined, protected back with leather fastener, strap and leather binding and lace, asbestos felt pad. 1 in box
1K423—Right hand player
1K424—Left hand player
Each **$3.25**

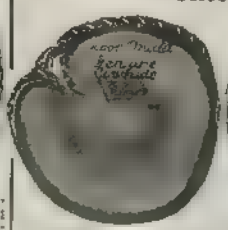
1K425 "Ray Grimes" autographed model, oil dressed brown horsehide, solid adjustable web thumb, leather bound and laced, built-up asbestos felt pad, full protected back with soft leather fastener. 1 in box
Each **$6.00**

PENNANT CATCHERS' MITTS

1K400—"Dollar Wonder," brown suede finish cowhide face and fingers, laced edge, big boys' size. 3 doz in box. Doz **$6.00**



1K401 — "Semi-Pro," tan cowhide suede finish cowhide back, laced edge, full size. 1 in box. Each **$1.35**



1K404 "Scoop" model, cream color cowhide throughout, leather laced, leather wrist protector. 1 in box. Each **$2.35**

1K405—"Scoop" model, oil dressed dark brown cowhide throughout, leather laced, leather wrist protector, hand built layer felt pad, "Big League" quality. 1 in box. Each **$4.00**

CATCHERS' EQUIPMENT

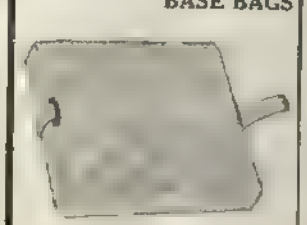
Body Protector Full size, khaki felt stuffed with curled hair, shoulders and crotch well protected, leather bound, adjustable web harness.
1K705—1 in envelope
Each **$3.25**

Catchers' Shin Guard—Molded fiber shin piece, canvas lined, felt lined, moulded cowhide knee cap, elastic garters, light and strong
1K681—1 pair in envelope
Pair **$6.25**

Do You Sell BATHING SUITS ?

See index for our complete line

HEAVY CANVAS BASE BAGS



Bases—Heavy white canvas, firm filling, heavy web strap and spike
1K640—1 set in pkg.
SET of 3 **$6.50**

CATCHERS' MASKS

Electric welded frames, hard baked black enamel, correct professional shapes.

1K707—Professional, full size, cowhide, 3 piece felt lined face pad laced to frame, chin protector, elastic head harness with 2-way strap and buckle adjustment. 1 in box. Each **$2.50**

1K708—Professional, full size leather faced pad laced to frame, chin and face protector, elastic head harness, with 2-way strap and buckle adjustment. 1 in box. Each **$3.50**

1K709—"Johnstone," patented 1 piece aluminum frame black enameled, leather pads laced to frame, elastic head harness with 2-way strap and buckle adjustment. 1 in box. Each **$3.50**

PENNANT

BATHING SUITS

Dependable Staple Styles—Splendid Values

Men's Bathing Suits

1K1200 [illegible] white [illegible] state sizes [illegible] Doz **$6.95**

Life Guard With Belt

1K1201 Cotton [illegible] with belt [illegible] state sizes. ½ doz. Doz **$8.40**

Life Guard

Pure All Wool Worsted—Jersey knit, fine gauge medium weight.

1K1208 NAVY. Sizes 36 to 44.

1K1211—MAROON. Sizes 36 to 44.

Each **$1.75**

1K1213 All wool [illegible] with [illegible] NAVY [illegible] stripes. Sizes 34 to 46. All sizes in box. Each **$2.10**

Athletic Cut Shirt

Scraps pure worsted [illegible]

1K1216 Navy [illegible] Jersey knit [illegible] Each **$2.00**

1K1202 Black, navy or [illegible] knit [illegible] Each **$3.00**

Reinforced Navy Blue Worsted—

[illegible] 1K1264 [illegible] $2.45

1K1109 [illegible] $3.00

Life Guard With Belt

1K1206 All wool pure worsted [illegible] Black trunks with 5 belt loops with [illegible] Sizes 36 to 44 state sizes. 1 in box. Each **$2.75**

1K1167 Pure virgin wool, heavy weight and extra elastic rib. NAVY body, yellow shirt and sash, knockout $5.00 retail value! Sizes 36 to 46 state sizes. 1 in box. Each **$3.10**

Crotch Shirts. Athletic cut, cute. The all [illegible] [illegible] state sizes. 1 in box.

1K1185—Navy Blue, fine [illegible] jersey knit. Each **$1.75**

1K1187—White, heavy gauge rib knit. Each **$2.00**

MEN'S SHIRTS AND TRUNKS

1K1177 1K1181

Trunks—Carefully tailored. 30 to 50 in. waist. 1 pair in box.

1K1177—Navy blue, jersey knit, reinforced worsted, 4 belt loops. Pair **$1.00**

1K1181—Navy blue, rib knit, pure worsted, fly front, 5 belt loops, sateen faced waistband pocket. Pair **$2.00**

Turn to Nearby Page For Advance Showing of FOOTBALL and BASKET-BALL GOODS.

Boys' Bathing Suits

1K1159 [illegible] Doz **$3.85**

Athletic Cut

Cotton rib knit, [illegible] state sizes. ½ doz. in box.

1K1198 NAVY [illegible]

1K1197 MAROON [illegible] Doz **$5.25**

"Dollar Wonder"

1K1195 Cotton 1 piece [illegible] WHITE shirt, NAVY skirt and all [illegible] trunks. Sizes 28 to 34 state sizes. ½ doz. in box.

Doz **$6.95**

Pure All Wool Worsted Blue [illegible] 28 to 34 state sizes. 1 in box.

1K1184 ROYAL BLUE [illegible]

1K1186 [illegible] NAVY [illegible] Each **$1.75**

2-Piece Life Guard

1K1242 All wool athletic cut, pure worsted [illegible] 5 belt loops [illegible] Sizes 28 to 34 state sizes. 1 in box. Each **$2.50**

1K1199 Pure virgin wool, [illegible] ARLET with Harding [illegible] athletic cut with [illegible] Sizes 28 to 34 state sizes. 1 in box. Each **$2.75**

FISHING RODS

If ever there comes a "Lull in Business"— Just ask our Expert Service Bureau to tell you How to "Make Things Hum"

JOINTED BAMBOO RODS

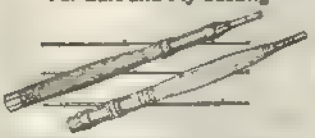
Natural bamboo trimmed and mounted.

1K2500—About 8 ft., 2 pieces, brass ferrule, each in paper bag. 1 doz. in pkg. Doz **$1.85**

1K2501—10½ ft., 3 pieces, heavy bamboo, brass ferrules, each in paper bag. ½ doz. in pkg. Doz **$4.00**

HEXAGON SPLIT BAMBOO RODS

For Bait and Fly Casting



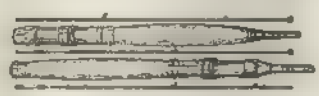
"Knockabout"—Good serviceable plain rod. Full value in the material and workmanship. 1 in heavy khaki bag.

BAIT ROD—Reel seat above handle.

1K2592—7 ft. } Each
1K2593—9 " } **$1.35**

FLY ROD—Reel seat below handle.

1K2594—9½ ft. Each **$1.35**



"Select"—Selected fine grain seasoned bamboo, hand wound, with silk in 3 colors, welted ferrules. A wonderful $5.00 retail value. 1 in heavy khaki bag.

BAIT ROD—Reel seat above handle.

1K2595—7 ft. } Each
1K2596—9 " } **$3.00**

FLY ROD—Reel seat below handle.

1K2597—9½ ft. Each **$3.00**

For Bait Casting

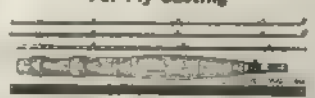
"Ace"—Selected tough fine grain bamboo, closely silk wound in 3 colors, welted ferrules, large off-set agatine mounted casting guides and tip. 1 in heavy khaki bag.

1K2615—6 ft. Each **$3.35**

"South Bend No. 10"—Fine grain bamboo, large off-set casting guides and tip, agatine mounted. Silk wound, silver trim, welted ferrule. 1 in heavy khaki bag.

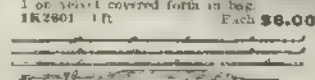
1K2625—6 ft. Each **$6.65**

For Fly Casting



"Ace Fly"—Specially selected stock, closely wound with silk in 3 colors, rust-proof steel snake guides and ring top, welted ferrules. 1 of several covered forth in bag.

1K2601—9 ft. Each **$6.00**



"South Bend Fly No. 12"—With extra tip, fine quality bamboo 3 joints, silk wrapped, nickeled silver snake guides, welted ferrules, brass reel seat, large cork handle, splendid action and balance, solid extra tip. 1 in khaki bag, bamboo tube for tips.

1K2629—9 ft. Each **$8.67**

"STUBBY" ROD AND REEL

1K2577—25 in. 2-piece steel rod, corrugated handle. 3½ in. 100 yd. aluminum reel, toss on drag. 1 in box. Each **$1.66**

STEEL RODS

Tempered flexible steel, baked black enamel, reinforced joints, nickel trim, all natural cork grips, unless otherwise described.

Telescopic

1K2581—"Sunnybrook" snake guides, fully extended 8½ ft. 1 in cloth bag. Each **$1.50**

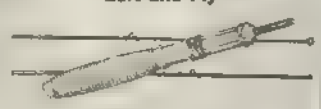
1K2585—"Samson," reversible handle for bait or fly use, nickel silver snake guides, offset ring tip, full extended 9½ ft. 1 in cloth bag. Each **$1.80**

"Sunnybrook"—Imitation agate mounted, steel guides, nickeled. 1 in cloth bag.

1K2588—Bait casting, large agatine, fully extended 5 ft. Ea. **$2.65**

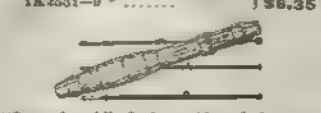
1K2589—Bait or trolling, agatine, fully extended 9½ ft. Ea. **$2.65**

Bait and Fly



"Vim" Bait—Snake guides, 3-ring tip, corrugated chromized ball, 7½ doz. in partitioned bag.

1K2530—6 ft. } Doz.
1K2531—9 " } **$6.35**



"Sunnybrook"—Snake guides, 3-ring tip. 1 in partitioned bag.

BAIT ROD—Reel seat above handle.

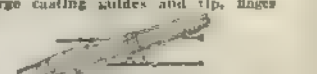
1K2496—6 ft. } Each
1K2495—9½ " } **$1.10**

FLY ROD—Reel seat below handle.

1K2497—9½ ft. Each **$1.20**

Bait Casting

Large casting guides and tip, finger hooks.



"Union 00"—Nickeled silver 2-ring casting guides. 1 in partitioned bag.

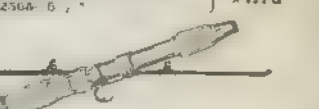
1K2557—5 ft. } Each
1K2558—5½ ft. } **$1.00**

"Union 00"—Agatine mounted guides and tip. 1 in partitioned bag.

1K2561—5 ft. Each
1K2562—5½ ft. **$1.35**

"Union No. 47"—Large off-set agatine mounted nickeled silver casting guides and tip. 1 in partitioned bag.

1K2563—5½ ft. } Each
1K2564—6 " } **$1.75**



"Gephart No. 550"—1 piece chrome vanadium steel, 3 ferrules and tempered agatine mounted bell guides, off-set cast agatine tip. 1 in partitioned bag.

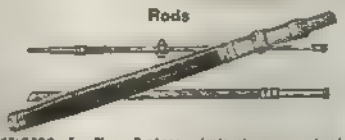
1K2569—5 ft. } Each
1K2570—6 " } **$2.35**

"South Bend Lock Joint No. 102"—Agatine mounted nickeled silver casting guides and tip, agatine reel seat. Lock joints prevent tapering or separating. 1 in partitioned bag.

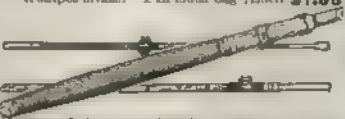
1K2563—5½ ft. } Each
1K2564—6½ " } **$3.35**

SALT WATER RODS AND REELS

Rods

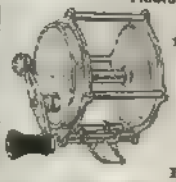


1K2590—5 ft., 2-piece, imitation greenheart, chromized handle, solid ferrules, nickeled silver trumpet slides. 1 in cloth bag. Each **$1.88**

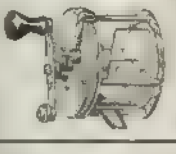


1K2591—6 ft., 3-piece, split bamboo rod stock, reinforced, chromized ferrules, oxidized mountings, tailored silk wrappings. 1 in partitioned bag. Each **$3.00**

Reels



1K2763—"Enterprise," 200 yd., multiplying, nickeled brass, click and drag, oil cup. 1 in box. Each **$1.85**



Pflueger's "Tenace"—Free spool, multiplying, adjustable click, adjustable tension, oil cup, leather drag, polished brass.

1K2567—200 yds. Each **$4.35**
1K2568—300 yds. Each **$4.95**

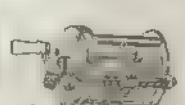
REELS

A Carefully Selected Line of the Makes Most Popular With Fishermen

1K2353—10 [illegible] nickeled brass click, [illegible] box. Doz **$3.50**

1K2380—100 yd. quadruple, [illegible] nickeled brass [illegible] in box. Each **$1.00**

1K2377—"Breeson" level wind, [illegible] polished brass [illegible] box. Each **$2.35**

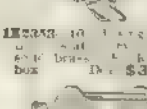


1K2374—Pflueger's "Akron" [illegible] wind, [illegible] quadruple, [illegible] finish [illegible] in box. Each **$4.00**

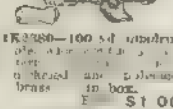
1K2373—South Bend "Bass-Trout" level wind, 100 yd. [illegible] just [illegible] cup [illegible] in box. Each **$4.00**

1K2376—South Bend Green River level wind, click and No. 1400 100 yd. quadruple silvered finish, jeweled spool caps. 1 in box. Each **$5.67**

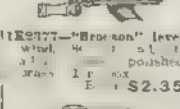
1K2371—South Bend level wind, click and No. 1400 100 yd. quadruple, nickeled brass, [illegible] guaranteed without limit, agate jeweled spool caps. 1 in chamois bag in box. Each **$11.00**



1K2161—"Pennant Dollar Wonder" [illegible] 1 yard, 2 sinkers, 3 [illegible] pillars, adjustable click, nickeled and polished brass, [illegible] in box. Doz **$8.00**



1K2408—100 yd. quadruple, wide Kentucky pattern, [illegible] and polished brass [illegible] in box. Each **$1.50**



1K2484—"Hawk-Eye" fly, [illegible] and polished brass [illegible] silver frame. 1 in box. Each **$2.16**

1K2137—Pflueger's Superex automatic trout [illegible] controlled lever tension always on [illegible] Each **$4.85**

1K2336—Pflueger's "Supreme" level wind and back cash, 10 yd. quadruple, nickel on strong light wt. non-[illegible] [illegible] with [illegible] working parts, [illegible] caps, guaranteed without limit. 1 in [illegible] box. Each **$16.65**

Women's Bathing Suits

Dollar Wonder

Cotton [illegible] heavy gauge square skirt [illegible] adapted for [illegible] box

1K1285 [illegible]

1K1276 JOCKEY RED [illegible] Sizes 34 to 46 [illegible] Doz **$7.20**

Pure All Wool Worsted Fine gauge Jersey knit [illegible] box

1K1283 NAVY Sizes 30 to 46

1K1284 [illegible]

1K1285 [illegible]

1K1286—JOCKEY RED [illegible]

Each **$1.85**

Athletic Cut—Pure worsted, snug fit, [illegible] straps. Sizes 36 to 44 [illegible] box

1K1171 — Navy blue [illegible] gauge jersey knit. Each **$2.10**

1K1172 Black heavy gauge rib knit. Each **$3.00**

Pure All Wool Worsted Fine [illegible] neck & white silk [illegible] and pockets [illegible] Sizes 36 to 44 [illegible] box

1K1250—JOCKEY RED.

1K1287—PEACOCK.

1K1300—PANSY.

Each **$2.25**

Reinforced Worsted—Jersey knit [illegible] worsted backed with elastic [illegible] on thread navy blue with 2-tone harmonizing skirt stripes. [illegible] box

1K1291—Regular sizes 36 to 46 Each **$2.45**

1K1208 Extra sizes 48 50, 52 and 54 Each **$3.00**

Radio Stripe

All Wool—Heavy herringbone rib knit, white canvas belt and bolt loops. Sizes 34 to 42 [illegible] sizes. [illegible] box

1K1328 PEACOCK, camel stripes.

1K1329 ORANGE, silver [illegible] Each **$3.25**

"Pennant" Rib Stitch

All Wool Snug Fit

Pure Virgin Wool—Heavy weight and gauge, rib knit, skirt stripes. Sizes 36 to 46—state sizes [illegible] box

1K1290—NAVY [illegible] stripes

1K1291—PEACOCK, silver stripes

1K1292—JOCKEY RED, white stripes

Each **$3.10**

Glove Silk

1K1290—"Miss 1927" black jersey knit glove silk [illegible] & pure silk [illegible] Daily [illegible] double silk crotch. Sizes 36 to 42—state sizes [illegible] box

Each **$5.00**

For Girls and Misses

2-Pc Co-Ed"

Reinforced Worsted [illegible] stripes [illegible] sizes [illegible] box

1K1262 JOCKEY [illegible] stripes

Each **$2.65**

Cotton—[illegible] heavy weight [illegible] sizes [illegible] box

1K1180 NAVY [illegible]

1K1183—JOCKEY RED [illegible]

Doz **$5.40**

Leader Value'

All Wool [illegible] sizes [illegible] box

1K1[illegible] GREEN [illegible]

1K1[illegible] JOCKEY RED [illegible] stripes

Each **$1.75**

Silk Monogram

Pure Virgin Worsted [illegible] sizes [illegible] box

1K1256 JOCKEY RED

1K1257 PEACOCK

Each **$2.00**

All Wool [illegible] sizes [illegible] box

1K1429—JOCKEY RED [illegible] skirt stripes. Each **$2.50**

PENNANT

BATHING GOODS

On This Page Are The Profitable Selling Accessories

Infants' Bathing Suits

1K1160 SCARLET one-piece, all wool, jersey knit, full size welded seams, with separate tested red, blue, green or black 2 doz in case. Doz 82½c
6 doz or more Doz 81½c

1K1188 Reinforced worsted, JOCKEY with allover 1½ in white club stripe. Sizes 22 to 30—state sizes. 1 in box. Each Doz

1K1189 "Life Guard" style, heavy knit reinforced worsted, white shirt, navy trunks, white anchor design on shoulder straps, white canvas belt, 4 belt loops. Sizes 24 to 30—state sizes. 1 in box. Each Doz

Beach Robes

1K1244 Multi-color floral terry cloth, guaranteed sunfast and waterproof, dyes very smart and sure to be a winner. Full sizes. Small 34 to 36, medium 38 to 40, large 42 to 44—state sizes. Each **$1.95**

1K1302—Satin finish floral pattern waterproof rayon, fast colors, wide fast edges. Full size. Also a practical model. Small 32 to 36, medium 38 to 40, large 42 to 44—state sizes. Each in box. Each **$3.25**

Diving Caps Are Always Big Sellers

1K1335 Diver, assorted, full size, welded seams, with separate tested rubber chin strap. 2 doz in case. Doz 82½c
6 doz or more Doz 81½c

1K1321 4 styles, rubberized cloth reinforced with rubber cross seams and head bands, new snappy tricot assorted colors. 1 doz in box. Doz **$1.95**

1K1375 Aviator model, slip over, cut full size, rubber chin strap, assorted red, blue, green, white. 1 doz. in box. Doz **$2.75**

1K1379 Hand made diver, has nose rubber, floor design, detachable rubber chin strap, assorted red 2 doz, blue 1 doz, green ½ doz in box. Doz **$3.85**

1K1357 Women's reversible heavy white silky finish, assorted blue, red and green with reverse white. ½ doz in box. Doz **$3.95**

Children's

1K1372 Children's "Twinkle Twinkle" assorted, pure gum rubber, assorted colors. 1 doz in box. Doz **$1.85**

1K1358 Men's fancy molded pure gum rubber full size, with chin strap. ½ doz in box. Doz **$3.45**

Bathers' Belts

White Woven Canvas

1K1366 1½ and 1½ in adjustable polished nickel plated buckle, will not rust, assorted 3 small, 6 medium, 3 large. 1 doz in box. Doz **$1.25**

Reversible Rubber

1K1365 1½ in rubber adjustable nickel plated brass buckle, assorted red, blue, green, and white, backs, assorted sizes 30 to 42. 1 doz in box. Doz **$1.75**

Bathers' Crepe Sole Pumps

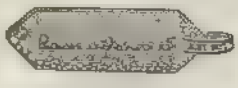
Crepe grain rubber soles, lustrous embossed upper, white embossed rubber trim, made by U. S. Rubber Co. ½ doz. pairs in box

Men's—Small, medium and large sizes—state sizes.
1K1196—Black. Doz prs **$7.75**

Women's—Sizes 3, 4, 5, 6, 7, 8—state sizes.
1K1190 Red.
1K1191 Blue.
1K1192 Green.
1K1193 Black.
Doz prs **$6.25**

Misses' and Children's—Sizes 6, 8, 10, 12, 1, 2—state sizes.
1K1194—Red
1K1195—Blue
Doz prs **$6.00**

RUBBERIZED TWILL BATHING BAG



Sporty color combination
1K1333 Large size, 2 ply, genuine proofed twill, with bright color contrast, rubberized waterproof, 3 snap fasteners, reinforced self handle. Assorted. 1 doz in box. Doz **$3.95**

BATHING GARTERS

1K1384—Gum rubber garters, adjustable, rust proof nickel plated brass fittings, each pair on card, 2 doz pairs in box. Doz pairs **85c**

RUBBER PURSE

1K1386—Rubber purse, novelty side brass side loops for slipping on belt, nickeled brass fittings, snap fastener, assorted red, blue, green and white. 2 doz. in box. Doz **95c**

Swimming Floats

Same weight stock as automobile tire tubes. Each equipped with Schrader valve, tire pump inflation

Heavy Red Rubber Stock. Very strong, will support the weight of average person, use as beach mat, as well as life preserver or float. 1 in box.

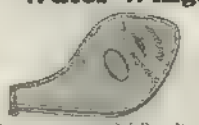
1K1385 For children up to 12 yrs. Each **75c**
12 or more, Each **70c**

1K1386 For children up to 18 yrs. Each **90c**
12 or more, Each **82½c**

Jr. Torpedo Float

1K1363—Double tex ure rubberized fabric. For inflation fastens securely from rear. Lark will not interfere with stroking movement. Each pair in box. Pair **75c**
12 pairs or more, Pair **70c**

Ayvad's Water Wings



Will support up to 6 lbs. three years or each. 1 doz. to pkg.
1K1360—Plain white. Doz **$3.50**
1K1361 Mercerized assorted colors. Doz **$4.50**

SURF EAR PROTECTORS

Keeps out water and pressure but permits hearing.

1K1330—Gum rubber, prevents ear troubles. 1 pair in box. 18 pairs on card. Card (18 pairs) **$2.00**

BEACH BACK RESTS

Olive drab 12 oz. duck, 2½ ft. back rest, 1½ ft. flap seat, strong wood frame varnished, adjustable to various heights. Each in pkg.
1K1388—Without canopy. Each **75c**
12 or more, Each **70c**
1K1384—With canopy. Each **$1.30**
12 or more, Each **1.20**

BEACH UMBRELLAS

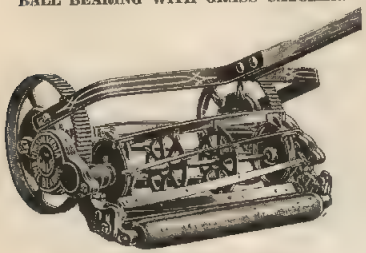
40 in. 72 in. spread, heavy green drill cover, 5 No. 6 steel ribs, 7 ft. tapered hardwood pole, painted for inserting in sand. 1 in pkg.
2H2857—Solid green. Each
2½ or more, Each
2H2858 Orange and black panels. Each **$4.00**
2½ or more, Each **3.75**

Out

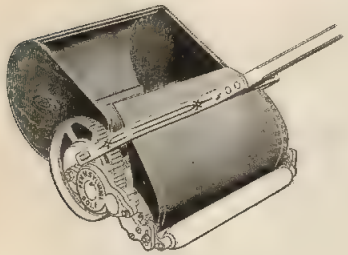
LAWN MOWERS.

PENNSYLVANIA GOLF.

BALL BEARING WITH GRASS CATCHER.



(View Without Grass Catcher).



(View With Grass Catcher).

7 Blades, 9¼ Inch Wheels, Iron Roller.

Blades—Crucible tool steel, oil hardened and water tempered.

Gears—Double train of cut gears.

Wheel Base—Extra length. Will run smoothly and not tip up.

Bottom Knife—Raised edge of tempered crucible tool steel.

Height of Cut—3/16 to 1 3/16 inches.

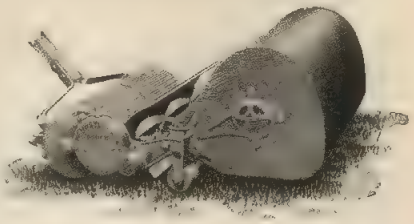
The Pennsylvania Golf is especially adapted for golf greens, tennis courts. Can be adjusted to cut 3/16 of an inch, practically shaving the lawn. The roller brackets and cylinder bearings fitted with oil cups.

The grass catcher is made of sheet metal, with wood ends, and is the only style suitable for Pennsylvania Golf Mowers. There are two parts: the box or catcher and the shield or deflector. It is easily attached and detached.

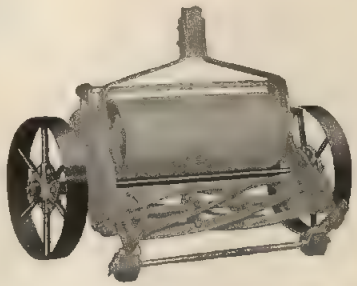
Cut, in. 19
Wt. each, boxed, lbs..... 103
Wt. Grass Catcher, (boxed separately), lbs..... 33
Pennsylvania Golf .....Each $50 00

PENNSYLVANIA SUPER ROLLER.

WITH GRASS CATCHER AND CARRIAGE.



(View With Grass Catcher).



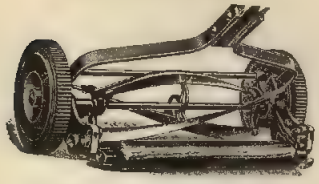
(View With Carriage).

For golf greens, tennis courts, croquet lawns, etc. The last word in lawn mower construction. It has seven crucible steel blades in a high-speed cylinder, aluminum driving drums and train of cut gears running in a grease-tight case. Intermediate gear on roller-bearing. Drums, cylinder and front castor wheels on ball bearings. Alemite system of lubrication. The Pennsylvania Super Roller Mower is light running, easy to push and cuts absolutely without ridging the greens.

Cut, ins. 18
Wt. (mower only), each, lbs..... 55
Wt. boxed, complete with grass catcher and carriage, lbs. 104
Pennsylvania Super Roller.....Each $70 00

LAWN MOWERS.

MAGIC PLAIN BEARING.

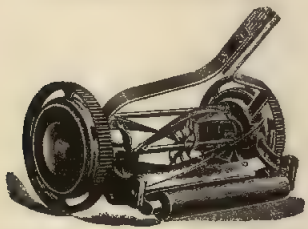


Open Cylinder, 3 Blades, 8 Inch Wheels.

Has shaft one-half inch in diameter in an adjustable plain bearing box; three tempered tool steel knives on reel; underknife also nicely tempered. This is an excellent mower for the price.

Cut, in.	12	14	16
Wt. each, lbs.	35	36	37
Each	$8 00	8 50	9 00

MONARCH, BALL BEARING.



Open Cylinder, 4 Blades, 8 Inch Wheels.

Ball races 1⅛ inches in diameter; ¼ inch tool steel balls; patent cone adjustment; cones hardened and ground and cannot work loose; four tool steel tempered knives on reel; crucible tool steel underknife, hardened and tempered.

Cut, in.	14	16	18
Wt each, lbs.	42	44	47
Each	$11 50	12 25	13 00

WIZARD, BALL BEARING.

Open Cylinder, 4 Blades, 9 Inch Wheels.

Ball races 1⅛ inches in diameter; ¼ inch tool steel balls; patent cone adjustment; cones hardened and ground and cannot work loose; four tempered tool steel knives on reel; crucible tool steel underknife hardened and tempered.

Cut, in.	14	16	18
Wt. each, lbs.	50	51	55
Each	$12 50	13 50	14 50

ELM PARK, BALL BEARING.

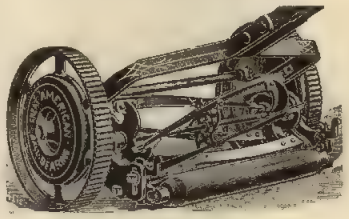
Open Cylinder, 4 Blades, 10 Inch Wheels.

Ball races 1⅛ inches in diameter; ¼ inch tool steel balls; patent cone adjustment; cones hardened and ground and cannot work loose; four tempered tool steel knives on reel; crucible tool steel underknife hardened and tempered.

Cut, in.	14	16	18
Wt. each, lbs.	58	59	63
Each	$15 00	16 00	17 00

GREAT AMERICAN, BALL BEARING.

PENNSYLVANIA QUALITY.



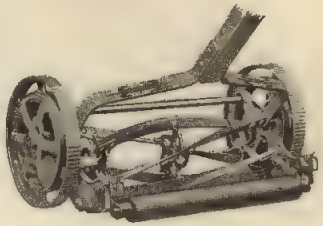
Open Cylinder, 5 Blades, 10 Inch Wheels. "Staytite" Handle.

Solid cast steel cutting knives, hardened and tempered in oil. The steel balls used are of the highest grade, placed in dust-proof covered steel cups, and the adjustment is unequaled; the ratchets or pawls are cast steel, hardened and tempered and noiseless in action; self-sharpening dead knife of solid cast steel, which can be adjusted to cut grass ⅝ to 1⅝ inches from the ground.

Cut, in.	15	17	19	21
Wt. each, lbs.	66	68	74	76
Each	$22 50	25 00	27 50	30 00

WM. PENN, BALL BEARING.

PENNSYLVANIA QUALITY.

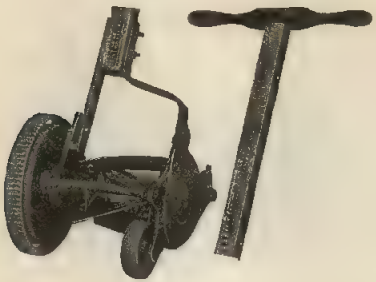


Five crucible tool steel blades, 9 inch wheels, 5½ inch cylinder, ball bearings, spring steel bottom knife and "Staytite" handle.

Cut, ins.	16
Wt. lbs.	50
Each	$15 50

LAWN TRIMMERS.

PENNSYLVANIA.

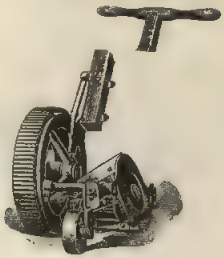


Ball Bearing.

This machine will cut to within ⅜ of an inch of wall or tree trunk and mow any border wide enough to run one wheel on; constructed of crucible tool steel in both cylinder and stationary blades; self-sharpening; ball bearings with patented adjustments; four 6 inch crucible steel blades.

Pennsylvania. Wt. each, about 28 lbs. .....Each **$14 00**

PENNSYLVANIA UNDERCUT.



Ball Bearing.

The slanting side plate and conical cylinder make it possible to cut all the grass left by the regular style of lawn mower. The unique construction permits cutting not only close up to wall, fence, trees, etc., but it will get the grass under a fence or cut rock base of tombstones, house foundations and other places hitherto out of reach of anything but hand shears. Constructed of crucible tool steel in both cylinder and stationary blades; ball bearings with patented adjustments; has four 5½ inch crucible steel blades.

Pennsylvania Undercut. Wt. each, 32 lbs.....Each **$16 00**

LAWN ROLLERS.

DUNHAM'S WATER-WEIGHT.

The weight of this roller can be regulated to suit a soft lawn, firm turf or tennis court; can be quickly filled with the garden hose. The edges of the drum are rounded back, to prevent cutting lawn; all seams are perfectly smooth. The drum and heads of the roller are formed from heavy high-carbon steel plates; all seams are welded, making a strong one-piece container for the water. Drum is painted a bright green; frame is painted red with a hardwood varnished top handle.

No. 4. Diameter of drum, 18 inches; length, 24 inches. Weight empty, 76 lbs.; filled with water, 274 lbs.; filled with sand, about 400 lbs.....Each **$25 00**

LAWN MOWERS

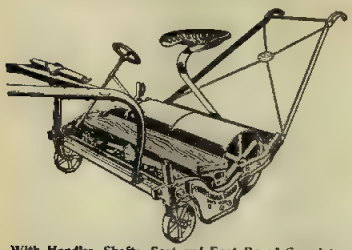
PENNSYLVANIA PONY OR TWO-MAN

11 Inch Drive Wheels, 6¾ Inch Four-Blade Cylinder

This machine bridges the space between our 21 inch hand mowers and the regular horse sizes, combining the strength of the latter with the mobility of the former, making it especially useful on large lawns where the surface is broken by walks and shrubbery, or is too hilly for a regular horse mower. Can be handled by two men where a horse is not available. This machine is fitted with the Enos yielding, self-sharpening lower knife, double train of gears, extra heavy blades and large cylinder, fitting it for use in high grass. Fitted with lugs to attach the Braun Grass Catcher. Will cut grass to within ½ inch of ground. **Finish**—Green frame and wheels; red cylinder and handle, gold striping. **Blades**—Crucible tool steel, oil hardened and water tempered. **Wheel Base**—Extreme width, 35 inches. **Wheels**—Broad tread, 11 inches in diameter. **Parts**—Malleable and cast, accurately machined to insure noiseless service.

Width of Cut, Inches 25
Weight Boxed, Including Handle, Lbs. 150
Each **$100.00**

PENNSYLVANIA GRAND HORSE



With Handles, Shafts, Seat and Foot Board Complete

Finish—Aluminum bronzed body with red and blue striping, gold bronzed rollers and cylinder. **Blades**—Crucible tool steel, oil hardened and water tempered, extra wide. **Gears**—Extra large fitted with bronze bushings. **Extreme Width**—30 inch cut, 41 inches overall; 38 inch cut, 49 inches overall. **Double Rollers**—15 inches in diameter. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Self-sharpening. Raised lip or upturned edge style. Crucible tool steel. **Cylinder Adjustment**—All wear on either revolving or stationary knives is taken up by a pair of set screws on the top of the cylinder journal boxes, allowing the cylinder to drop on the stationary knife, which is rigidly bolted and remains fixed in place. The cylinder journals run in phosphor bronze boxes, and these are split so that all wear can be taken up by a set screw. The journal box is floating or self-aligning. **Cutting Adjustment**—The wheel at the right regulates the height of cut from ⅝ to 2⅝ inches. The operator can instantly change from low to high cut, or an intermediate one.

15 Inch Rollers. 7½ Inch Cylinder. 30 Inch Cut

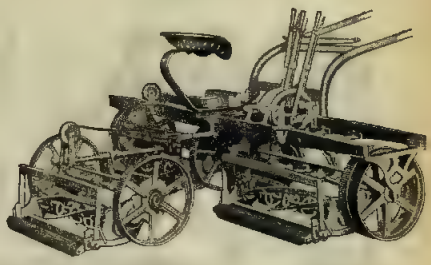
No.	Number of Blades	Weight Boxed Pounds	Complete Each
111	4	835	$240.00
112	6	845	255.00

15 Inch Rollers. 7½ Inch Cylinder. 38 Inch Cut

No.	Number of Blades	Weight Boxed Pounds	Complete Each
114	4	720	$300.00
115	6	750	325.00

LAWN MOWERS

PENNSYLVANIA TRIO



Can be Drawn by Horse or Tractor

A three-unit type mower; made especially for golf courses, public parks, cemeteries and all grounds where large areas of undulating surface present difficult problems of lawn mowing. The Pennsylvania Trio consists of three specially constructed, 30-inch, 4-blade mower units, high geared, so yoked to a frame or sulky that a cutting swath of 86 inches is attained. Each mower unit acts independently of the others, being pivoted to the frame, enabling them to ride over uneven surfaces and to closely follow the undulation of the ground. The frame is supported on two separate ground wheels, as shown in the illustration, thereby relieving the cutting units of any extra weight, overcoming the objection of wheel marks on the turf and also giving the mowers greater flexibility and greater efficiency.

Automatic Clutch—Each mower unit may be raised separately by means of the three levers, and when lifted to the highest point the cutting cylinders are automatically disengaged or idled. When lowered, the cylinders are again automatically engaged.

Wheels—The wheels are 18 inches in diameter and have a tread of 2½ inches. They are fitted with automobile-type ball bearings.

Cylinders—4-knife, 30 inches, 6¾-inch diameter. The knives are the same "Pennsylvania" Quality of crucible steel, oil-hardened and water-tempered, as used in all Pennsylvania mowers.

Cylinder Bearings—The cylinder carrying the knives revolves in a universally adjustable bronze bearing. These bearings can be adjusted for wear and cannot get out of alignment. This insures true-running of the cylinder, and a bearing which will last indefinitely.

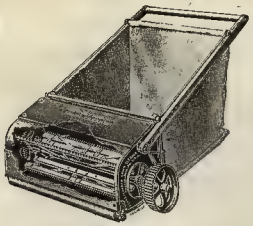
Bottom Knife—To insure great rigidity, the bottom knife cast-back is bolted solidly to the side plates. This eliminates all chances of the mower becoming twisted or strained. The blade is crucible steel, oil-hardened and water-tempered, new flexible type which reduces friction and wear, and helps make the mower self-sharpening.

Adjustment of Knives—Instead of the usual method of raising the bottom knife for wear, all adjustments are quickly made by tightening two regulating screws and bringing the cylinder closer to the bottom knife.

Assembling—The mowers are absolutely interchangeable, will fit in any position. The "sulky" style frame may be used for pulling other equipments, such as rollers, seeders and other cultivator tools.

Specifications—Net weight, complete machine, 860 lbs., net weight, individual mower, 195 lbs.; boxed, including single shafts or draft pole for double team, 1100 lbs.; cutting width, 86 in.; width overall, including sulky or ground wheels, 109 inches.

Complete Machine ..... Each, **$500.00**
Individual Mowers ..... Each, **125.00**
Extra Cutting Units ..... Per Pair, **15.00**



A Profitable Lawn Accessory

The man who takes a real pride in the appearance of his lawn knows that, if sunlight and dew are to reach its roots, it must be kept both short and *clean*.

Such a man not only buys a PENNSYLVANIA Quality Mower but is, also, an active prospect for a PENNSYLVANIA Lawn Cleaner and Rake. By means of rapidly revolving rakes, this machine acts like a vacuum cleaner on the lawn, removing cut grass, leaves and all other foreign matter. It is also made with brushes for lawn sweeping and for golf greens. With this cleaner, one boy can do as much work as three or four men with rakes.

Place your order now for this labor-saving accessory and be prepared to make a liberal extra profit from your lawn mower sales.

Our Golden Anniversary

Since 1877, when the first PENNSYLVANIA Mower was built to meet the highest mechanical and material standards of that time, PENNSYLVANIA Quality has been acclaimed in every civilized quarter of the globe.

Today, there is a PENNSYLVANIA Quality Mower for every grass-cutting purpose and they all embody, in connection with the original high ideal, the experience and research of half a century.

PENNSYLVANIA LAWN MOWER WORKS
FORMERLY
FOUNDED 1877 JOHN BRAUN & SONS PHILADELPHIA, PA.

PENNSYLVANIA
Quality
LAWN MOWERS

CAN YOU OVERLOOK THIS EVIDENCE?

Mr. Happy Man Says—

An Atkins Silver Steel Saw costs just a few cents more than a cheap saw, but Oh, what a difference in cutting efficiency.

To Attract New Customers!

Included in the great Atkins Sales Plan this year is a wonderfully complete idea to bring many new customers into your store. Without going into all the details of Atkins Demonstration Plan, we want you to appreciate that it includes letters to selected lists of men who will be valuable customers for you. It includes features in your store which will make it a center of attraction to men like those shown in the picture—men who buy and use better saws and tools.

There is no "theory" about the popularity of Atkins Saws. Can you overlook this evidence?

E. C. ATKINS & COMPANY

ESTABLISHED 1857 — *The Silver Steel Saw People*

Machine Knife Factory: Lancaster, N. Y.

Home Office and Factory: Indianapolis, Ind.

Canadian Factory: Hamilton, Ont.

Atlanta, Chicago, Memphis, Minneapolis, New Orleans, New York, Paris, France, Vancouver, B. C., Portland, San Francisco, Seattle

LAWN MOWERS

PENNSYLVANIA SUPER PUTTING GREENS OR ROLLER MOWER

7 Inch Rollers, 5 Inch Seven-Blade Cylinder

Is a close cutting, light running mower for putting greens, croquet grounds, tennis courts, etc. Alemite lubricating system. All the bearings are either ball or roller, oil tight and dust proof.

Finish—Green body; red cylinder; gold stripe on braces, tips of blades and shaft; gold letters. **Blades**—Seven crucible tool steel, oil hardened and heat treated. **Rollers**—Aluminum, 7 inches in diameter. Interchangeable right or left. **Cut Gears**—Equipped with roller bearings, running in oil, encased in dust tight sides. **Bottom Knife**—Flat spring tempered, crucible steel. **Height of Cut**—⅜ to 1⅜ inch. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Model 1926 Width of cut, 18 inches. Weight boxed, including handles, 55 Lbs. .. ..Each, **$80.00**

GRASS CATCHERS

FOR MODEL 1926 SUPER ROLLER MOWER

Is made of sheet steel with wood ends and is the only style suitable for Pennsylvania Super Putting Greens or Roller Mower. It consists of two parts, the box or catcher and the shield or deflector.

No. 93 Size, 18 inches. Weight boxed, 29 Lbs.....Each, **$13.00**

One in a Box

LAWN MOWERS

PENNSYLVANIA PUTTING GREENS OR ROLLER MOWER

7 Inch Rollers, 5 Inch Six-Blade Cylinder

This mower is unexcelled for cutting undulating or wavy greens. Also tennis courts, cricket creases and other lawns requiring an exceptionally close and smooth cut. It can also be used as a border trimmer for the ordinary lawn.

Finish—Red and blue cylinder with gold cutting edge, aluminum bronzed rollers, dark green body with gold striping. **Blades**—Six crucible tool steel, oil hardened and water tempered. **Gears**—Triple, insuring power and speed. **Rollers**—Cast iron, 7 inches diameter. **Parts**—Malleable and cast, accurately machined to insure noiseless service. **Bottom Knife**—Improved curved pattern, tempered crucible tool steel. Bolted rigidly to the frame, making the adjustment entirely with the cylinder. **Height of Cut**—⅜ to 1¼ inch. **Journal Boxes or Cylinder Bearings**—Self-aligning, insuring a perfect cutting edge the entire length of the blade. Bronze bushing. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar. The hardwood roller in front can be easily taken off and the mower supported on the caster wheels, if preferred.

Width of Cut, Inches	16	18
Weight Boxed, Including Handle, Lbs.	85	94
Model 1925 Each	**$54.00**	**60.00**

GRASS CATCHERS

FOR MODEL 1925 ROLLER MOWER

Is made of sheet steel with wood ends and is the only style suitable for Pennsylvania Putting Greens or Roller Mower. It consists of two parts, the box or catcher, and the shield or deflector.

For Mowers, Inches	16	18
Weight Boxed, Lbs.	27	29
No. 99 Each	**$13.00**	**13.00**

One in a Box

LAWN MOWER CARRIAGES

Finished in black enamel. Made to carry all sizes of Pennsylvania roller mowers

No. 25 Width overall, 30 inches. Weight, 21 Lbs..... .....Each, **$8.00**

One in a Box

LAWN MOWERS

PENNSYLVANIA GOLF HIGH WHEEL BALL BEARING

9½ Inch Drive Wheels, 6½ Inch Seven-Blade Cylinder, Iron Roller

The Pennsylvania Golf is especially adapted for golf links, tennis courts, bowling greens, and cricket creases. Can be adjusted to cut ⅛ of an inch, practically shaving the lawn. Has sectional iron roller. **Finish**—Aluminum frame, cylinder and wheels. Gold and red striping. **Blades**—Crucible tool steel, oil hardened and water tempered. **Gears**—Double train of gears. **Wheel Base**—Extra length. Will run smoothly and not tip up. **Wheels**—9½ inches. **Parts**—Malleable and cast. Accurately machined to insure noiseless service. **Bottom Knife**—Raised edge of tempered crucible tool steel. **Height of Cut**—⅛ to ⅜ inches. **Handle**—Staytite. Hardwood, with adjustable steel clamps on cross bar.

Width of Cut, Inches	17	19
Weight Boxed, Including Handle, Lbs.	100	105
Each	$57.00	64.00

GRASS CATCHERS

FOR GOLF MOWER

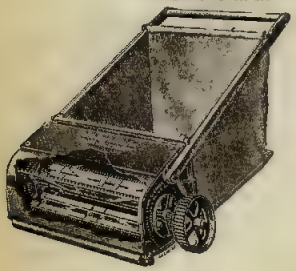
Is made of sheet steel, with wood ends, and is the only style suitable for Pennsylvania golf mowers. There are two parts, the box or catcher, and the shield or deflector. It is easily attached and detached

For Mowers, Inches	17	19
Weight Boxed, Lbs.	31	33
No. 97 Each	$13.00	13.00

One in a Box

GRASS CLEANERS

PENNSYLVANIA



This machine will remove from the lawn not only the cut grass but all sorts of litter, leaves and trash, leaving the grass standing upright and free from foreign matter that prevents the sunlight and dew from getting to the roots. The metal teeth rake up everything on the surface of the lawn, and in combination with the current of air carry it to the canvas receptacle or basket. The suction created by the three rapidly revolving rakes cleans the lawn on the same principle as the vacuum cleaner operates on carpet. Easy to operate and will do as much work as four men with hand rakes.

Width, Inches	24	36
Shipping Weight, Lbs.	100	125
Each	$48.00	69.00

One in a Crate

LAWN TRIMMERS

PENNSYLVANIA BALL BEARING

8 Inch Drive Wheel, 5½ In. Four-Blade Cylinder

Will cut to within ⅝ of an inch of wall or tree trunk and mow any border wide enough to run one wheel on. Crucible tool steel in both cylinder and stationary blades. Self-sharpening. Ball bearings with patent Pennsylvania adjustment, light running. Cylinder is 5½ inches in diameter and has four blades. Finished in aluminum and gold bronze with red striping. Fitted with New Staytite handle, with adjustable steel clamps on the cross bar.

No. 1 Width of cut, 6 inches. Weight boxed, including handle, 20 lbs. ..... Each, **$18.00**

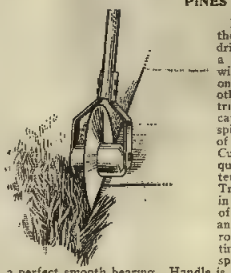
PENNSYLVANIA UNDERCUT BALL BEARING

9½ Inch Drive Wheel, Four-Blade Cylinder

Permits cutting not only close to a wall, fence, tree, etc., but it will get the grass under a fence or rock, cut base of tomb stones, house foundation, and other places hitherto out of reach of anything but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass left by the regular style of lawn mower. Has four blade cylinder Cylinder is finished in gold bronze with red cutting edge. Body and wheel finished in dark green with gold bronze striping Fitted with new Staytite handle, with adjustable steel clamps on the cross bar.

No. 2 Width of cut, 6½ inches. Weight boxed, including handle, 34 lbs. ..... Each, **$19.00**

PINES



Is used to finish up and trim the edges along walks, curbs, driveways, etc. Does not require a trench or ditch. It is used with one of the traction rollers on the walk or curb and the other on the turf Mowing the trimmer forward or backward causes the traction rollers to spin the cutting edge at a speed of 24 times that of the rollers. Cutting disc is made of highest quality saw steel hardened and tempered and self-sharpening Traction rollers are 2½ inches in diameter, 2 inches wide, made of hard maple, paraffine treated, and will not warp or swell. The rollers are attached to the cutting disc by a heavy brass tube spun over at both ends, making a perfect smooth bearing. Handle is made of ash, wax finish.

No. 5 Diameter of cutting disc, 6 inches; length of handle, 42 inches; length overall, 49 inches. Approximate weight, 8½ lbs. Each, **$2.50**

Twelve in a Crate

N. W.

Heavy stamped steel frame; compression spring controlling blades, assuring clean cut; ground and tempered steel shears, painted red, hardwood roller and handles.

No. 3 Length of cutting edges, 7 inches; length of handles, 4 ft. Approximate weight, 7 lbs. Each, **$3.00**

Four in a Carton

This insert of Four pages contains the following subjects:

(*A*) A Fingerbowl Liner in three colors. Halftone key and two Ben Day Plates.

(*B and C*) Butter Carton in three colors. (*1*) The color sketch. (*2*) The working drawing. (*3*) Printing Plates (red, yellow, and blue—key plate in blue). (*4*) The printed carton.

(*D*) A mechanical wash drawing made from a blue print.

Courtesy Pennsylvania Railroad and Harvey Paper Products Co.

A FINGERBOWL LINER IN THREE COLORS

This insert of four pages designed and engraved by the Crescent Engraving Company, Kalamazoo, Mich. Rexfold Enamel paper, 100 lb. base.

Golden muffins, sizzling bacon— cooked in a Jiffy on the Perfection

New Colors
1927 Stores

Gray porcelain enamel tops. Gray legs. Satin-black body finish. White enamel warming cabinets. Large white front ovens—On newest Perfections, and all those with Superflex burners

CRISP SIZZLING BACON. Fragrant coffee. And light, toothsome muffins hot from the Perfection Oven. Breakfast is off to a smiling start! It takes just a few minutes from the time you light the stove until breakfast is all ready to serve.

It's easy to cook delicious meals with a Perfection. Cooking starts at the touch of a match to the wick. Clean, intense heat pours up the long chimneys direct to the cooking.

No heavy coal, wood, or ashes to carry. And no sooty kettle bottoms to scour! They stay clean and shiny as when new. Every drop of oil is completely burned in the long chimneys before the heat reaches the cooking. No smoke, no odor.

Perfection is *always* quick, convenient, and dependable. See the newest models at any dealer's. Priced from $7.25 to $130, for stoves ranging in size from one to five burners.

PERFECTION STOVE COMPANY 7909 Platt Avenue Cleveland Ohio
Sold in Canada by The New Metal Products Company of Canada, Ltd., Toronto, Ontario

No smoke nor odor with Perfection long-chimney burners

PERFECTION
Oil Cook Stoves and Ovens

Courtesy of Perfection Stove Co.

Prepared by H. K. McCann Co.

133 Screen Two Color Process Plates

Reproduced from Color Painting, Pen drawing and proof of type
Engraved by THE ART ENGRAVING & COLORTYPE COMPANY, CLEVELAND

Pexto Adjustable Wrench Assortment

Consists of 12 Adjustable Angle Wrenches Seven of Which Can be Mounted on the Four Color Change, Blue, Black and White Metal Display Stand Sheet is Absolutely Free 16½ x 10½ Inches.

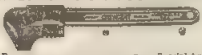
Assortment Contains
6 Each—No 045—6 In., and 8 In.

Per Assortment

No. 014 Asst. Semi-Finished
No. 14 Asst. Full Polished

One Assortment in a Carton
Weight, 10 Lbs.

NEW CRESCENT AUTO WRENCH



A Sturdy General Purpose Tool, Strongly Forged from Special Analysis Steel. Hardened and Oil Tempered. Hand Polished Finish, Giving a Splendid Appearance. Nine Inches Long with a Capacity, Fully Open, of Three Inches. Length of Jaw 1½ Inches. Teeth in Handle Accurately Milled, Giving Ease of Adjustment. Face of Jaws are Also Milled, so That They Grip Along Their Entire Surface. Spring under Adjusting Knurl Holds Jaw Set Until Adjustment is Changed.

Per Dozen

No. 019—Length 9 Inches, Capacity 3 Inches.....
One in a box Weight about 1 lb.

CRESCENT DOUBLE END WRENCH ASSORTMENT

This Assortment Contains One-Half Dozen 6-8 Double End Wrenches and the Display Card. One of the Tools is Mounted on the Card and Five are in Individual Cartons.

Crescent Double End Wrenches are Drop Forged from Best Carbon Steel; the Movable Jaws from Special Alloy Steel. Carefully Hardened and Tempered. Polished All Over Except Web in Handle, Which is Blank Or Finish.

Assortment Contains
½ Dozen Size 6 & 8 Wrenches, Capacity ¾—1¼ Inches

Per Assortment

No. DB8 .....
One assortment in a box weight 5 lbs

PEXTO ADJUSTABLE ANGLE WRENCHES PEXTO

Forged from Special Steel. Made and Designed to Give the Greatest Possible Strength. Semi-Polished Black Finish.

No. 045

Length	Capacity	Weight Per Doz.	Doz. in Box	Ext. Per Doz.
4	¾	2	½	
6	1	4	½	
8	1¼	8	½	
10	1½	12½	½	
12	1¾	24	½	

No. 085

Same as No. 045 Except Polished

Per Dozen

4-6	
6-8	
8-10	
10-12	

One in a Box

ADJUSTABLE WRENCHES GREAT AMERICAN

A Quality Wrench, Exceptionally Well Made and Finished. Reversible Jaw Forged from Special Steel. All Parts Subtly Polished.

Each Nut Individually Tested to Assure Free Working. Especially Adapted for Working Around Machinery, Automobiles, and for General Use. Every Wrench Guaranteed. Great American Brand on Each Wrench.

No. GAA

Length, Ins.	Per Dozen
4	
6	
8	
10	
12	

Double End

6-8	
8-10	

One in a box.

CRESCENT DISPLAY CARD

An Assortment of One Dozen Crescent Drop Forged Single End Adjustable Wrenches. 2 Doze. Each 6 and 8 In. Inches. Three of Each Size are Mounted on an Attractive Blue Display Card 8½ x 11 Inches.

Per Card

No. DB9

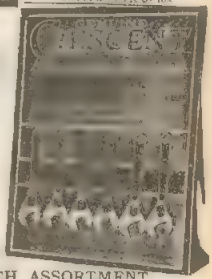
One assortment in a carton,
Weight about 5½ lbs

CRESCENT DISPLAY BOARD

Made of Heavy Cardboard Attractively Designed and Provided with Easel Back Which Locks and Will Not Fall Over on Glass Show Case. Mounted with 6 No. CP4 Wrenches. Will Not Only Sell the 4 Inch Size But Produces Demand for All Sizes.

Per Card

No. D.B.3—
On Card
8½ x 11½ Inches
One card in box



CRESCENT WRENCH ASSORTMENT

This Board is Made of Selected Lumber, Oak Varnished and Hand Rubbed in Natural Finish. Size, 25 x 25 Inches. Decalcomania Transfer Shows Each Wrench in Natural Color and Full Size. Contains Following Wrenches:

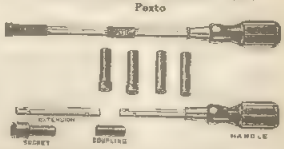
6 Only	No. CP4
12 Only	No. CP6
12 Only	No. CP8
6 Only	No. CP10
3 Only	No. CP12
1 Only	No. CP15
1 Only	No. CP18
6 Only	No. CP6S
3 Only	No. CP8S

Per Assortment

No. D.B.5—Weight About 60 Lbs.

RADIO SOCKET WRENCH SET

Pexto



This Radio Socket Wrench Set Consists of Handle, an Extension Shank with Coupling and Five Extra Long Sockets, Four for Hex Nuts Sizes ¼, ⅜, 7/16 and ½ Inches and One Spinner Socket for Knurled Nuts.

Length of Shank, 2¼ Inches, Length of Extension, 3 Inches. Ebonized Handles, Hexagon Bright Steel Shanks, Hardened Stee. Sockets.

Per Set

No. 32 .....
One set in a box; weight per set ½ lb.

STILLSON PATTERN WRENCHES

Forged From the Highest Grade Tool Steel, and are Interchangeable With Similar Wrenches. Each Wrench is Thoroughly Tested.

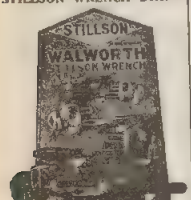
Size	Wood Handles Steel Handl Last Each	List Each
6 Inch.		$2.00
" 8 "		2.25
" 10 "		2.50
" 14 "		3.50
" 18 "		5.00
" 24 "		7.25
" 36 "		13.50
" 48 "		20.00

GENUINE WALWORTH STILLSON WRENCHES

Drop Forged Steel hardened Jaws. The well known genuine "Walworth" steadily advertised

Size	Wood Handles List Each	Steel Handles List Each
6 inch	$2.00	$2.00
" 8 "	2.75	2.25
" 10 "	3.50	4.50
" 14 "	3.50	5.50
" 18 "		5.00
" 24 "		7.25
" 36 "		13.50
" 48 "		20.00

GENUINE WALWORTH STILLSON WRENCH STAND



This Display Stands 11½ Inches Wide, 19¼ Inches High) Lithographed in Colors furnished FREE with the following Genuine Stillson Wrenches

2-6 Inch Wrenches,	Wood Handle	
2-8	"	"
2-10	"	"
2-14	"	"
1-18	" Steel	"

No. 33—One Dozen Wrenches and Board

Per Asst. . . . . .

Display Stand will Hold One Each of All Sizes in the Assortment. One Assortment in a Case.

WALWORTH STILLSON WRENCH

The genuine 10 Inch Walworth Stillson Wrench with the New Lacquer Finish Which Prevents Rust and Does Away with Oily Messy Finish. The Handy Wrench for the Home.

Per Dozen

No. 710—10 Inch Size Only Put in a box Six to an Attractive Display Carton One Dozen Wrenches in a Box

PEXTO PIPE WRENCHES

These Wrenches are Made from Entirely New Patterns. High Grade Material and Workmanship Throughout

Sizes 6 In. to 14 In. Inclusive Furnished In Both Wood and Steel Handles. Over 14 In., Steel Handles Only.

Length Ins.	Cap. Ins.	Wt. Lbs. Per Doz.	Doz. in Box	Each
6	¾–1¾	4	½	
8	¾–2	8	½	
10	¾–2½	17	½	
14	¾–3¼	35	½	
18	¾–4	62	½	
24	¾–5½	95	½	
36	¾–8½	180	1 in a Bag	
48	1–5	300	1 in a Bag	

TRIMO PIPE WRENCHES

This Metal Self-supporting Display Board, Beautifully Lithographed, will be Given FREE with Order for Six Each of Sizes 6, 8 and 10 Inch Trimo Pipe or Monkey Wrenches.

Every Dealer Should Order One of these and Display it on Counter or in Window It will Bring to His Store many Wrench Sales

Trimo Wrenches are Drop Forged from Selected Bar Steel Carefully made and Interchangeable with All Parts with Similar Wrenches

Make Your Selections from the Following.

	Last Each Wood Handle	Steel Handle
6 Inch Pipe Wrench	$2.00	$2.00
8 " "	2.25	2.25
10 " "	2.50	2.50

"HOE" ALL-PURPOSE WRENCH

This Hoe Wrench Will Grip Any Object, Round, Flat, Square, Hexagon or Irregular Shaped with One Hand. Its Construction Makes it Particularly Suitable for a Pipe Wrench Which Gives Instant Adjustment

Handles and Jaws are Drop-Forged Manganese High Carbon Steel, Hardened and Tempered. Pins are Case Hardened, Nickel Steel. The Spring is the Highest Quality Music Wire. The Spring Does No Work, Serves Only to Close Jaw. The Links are Hard Rolled High Carbon Steel, Hardened and Tempered.

The 6 Inch Wrench Has Wood Handle.

Metal Display Stand FREE with Order for One Dozen or More

Nos.	Takes Diam. Ins.	Each
HW8	½ to ⅝	
HW8	⅝ to 1¼	
HW10	½ to 1½	
HW12	½ to 2⅛	
HW18	½ to 3	
HW24		

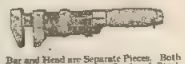
ADJUSTABLE "S" WRENCH

Drop Forged Steel Sliding Jaws, Sides Polished. Thumb Adjustment. Black Japanned Handle.

Lgth. No.	Ins.	Opening, Ins.	Per Dozen
SN 6	6	¾	
SN 8	8	1	
SN10	10	1⅜	
SN12	12	1⅝	
SN14	14	2	

Half Dozen s in Wooden Box

STRONGHOLD WRENCH



Bar and Head are Separate Pieces. Both are Forged of a Special Grade of Steel Bar Extends the Entire Length of Handle. Handle Frame Riveted to Bar. Sides of Handle Made of Selected Hardwood.

No. 25

Ins.	Wt. Open Ins.	Wt. Per Doz.	Doz. in Pkg.	Per Dozen
6	1⅞	9	12	
8	1½	16	6	
10	1	25	6	
12	2¼	40	6	
15	2½	55	3	
18	3¼	70	3	
21	4	105	3	

"COES" KNIFE HANDLE WRENCHES

Each Wrench is Oiled to Prevent Rust, and Done Up Individually in Paper the Packages Used is Polished Nickel Steel. One Piece Head and Bar Oil Finished, Hardened Semi-Steel Side Bar and Handle Frame Machine Cut Steel Screws with Knurled Head Duralumin Handle Sides, Secured at Each End by Insertion Under Nuts and Riveted Under Pressure

No 300

Length Ins.	Jaws Open Ins.	Wt. Per Doz. Lbs.	Case Con- tains Doz.	Wt. of Case Lbs.	Per Doz.
6	⅝	9	6	60	
8	1¼	16	6	100	
10	1¾	28	6	160	
12	2⅛	38	6	240	
15	2½	55	3	185	
18	3¼	80	2	170	
21	4¼	108	1	115	

6 to 12 Inch Half Dozen Other Sizes. Third Dozen in a Package.

AGRICULTURAL WRENCH

HIGH GRADE HEAVY

Drop Forged Jaws Case Hardened Wrought Iron Adjusting Screw Plain Hardwood Handle Shank Extends Through Handle and Screws in Cap on End.

No. 100

Length Inches	Jaws Open Inches	Per Dozen
6	1⅛	
8	1⅝	
10	1⅞	
12	2⅜	
15	2¾	

Half Dozen in

Pexto Pipe Wrench Assortment No. 7

Metal Display Stand Lithographed in Orange, Blue, Black and White, Equipped with Wire Easel and Chain Hanger. Size 10¾ Ins. x 16½ Ins. Absolutely Free. Assortment Contains.

2 Each No. 1—6 In., 8 In. and 10 In. Wood Handle.

2 Each No. 11—6 In., 8 In. and 10 In. Steel Handle.

Per Assortment

No. 7 Assortment .

TREE PRUNERS

Hook and Blade of Solid Steel of special tensile strength so as to hold a keen cutting edge. Blade 2¾ in. long, convex shaped with deep bevel, attached to hook with a ⅜ in. bolt. Hook and blade accurately ground, 7 in. arm extends from cutting edge (all one piece) and is connected with lever by a ⅛ in. wire, 12 in. steel lever with wood handle, ⅝ in. coil spring 6 in. long returns lever to position.

Light Weight, Tough, Strong Wood Pole, ¼ in. Square, Rounded Edges, Varnished

Length, Feet	6	12
Weight Per Dozen, Lbs.	33	60
Per Dozen	$24.00	30.00

One-half Dozen in a Bundle.

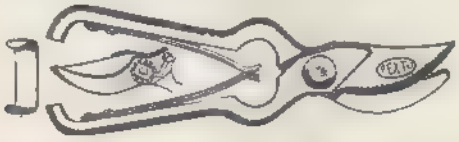
PRUNING SHEARS

PEXTO

Per Dozen

No. 50—California Pattern, 9 in. Long, Polished Tempered Tool Steel Blade Riveted to Malleable Iron Head and Handles, Dead Black Finish, Volute Spring and End Fastening Clip, Weight Per Dozen 10½ Lbs. $15.00

One Pair in a Box, One-half Dozen Pairs in a Carton.



Per Dozen

No. R85—Swiss Pattern, 8½ in. Long, Full Polished, Tool Steel Blade Riveted on and Ground Convex, Double Flat Brass Springs, Regulating Ratchet Nut, Removable End Clip, Weight Per Dozen 12¾ Lbs. $36.00

One Pair in a Box, One-half Dozen Pairs in a Carton.

PRUNING SHEARS

PEXTO

Blades fastened to head with screws. Equipped with brass plated coil spring and fastening clips.

Connecticut Pattern

Per Dozen

No. 0—9 in. Long, Polished Steel Blade, Black Japanned Iron Handles, Weight Per Dozen 9¾ Lbs. $8.50

WISS

Per Dozen

No. 109—Length 9 in., Best Cutlery Steel Blade Forged Entirely of Steel, All Parts Milled and Interchangeable, with Castellated Nut and Catch to Retain Close Adjustment, Weight Per Dozen 13 Lbs. $46.00

DISSTON

With Patent Lock Nut Tension

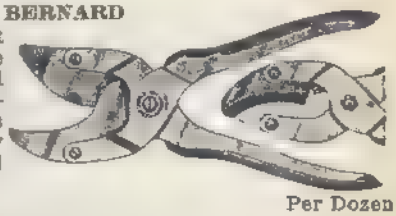
Forged from Disston-Made Steel with Hardened and Tempered Sharp Cutting Edges. Full Hollow Handles with Spring Hook Catch at End.

Per Dozen

No. 150—Length Over All 8½ in., Length of Blade 2½ in., Volute Spring, Weight Per Dozen 8¼ Lbs. $37.00

BERNARD

Auxiliary equipment consists of a positive spring action controlled by a simple locking device. Cutting blades open up sufficiently wide for all practical purposes.



Per Dozen

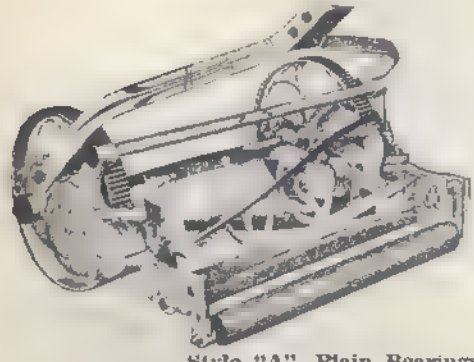
No. 8—"Trimmer", Length 8 in., Wt. Dozen 8 Lbs. $12.00

All Above, One-half Dozen Pairs in a Box.

LAWN MOWERS

PHILADELPHIA

STYLE "A"

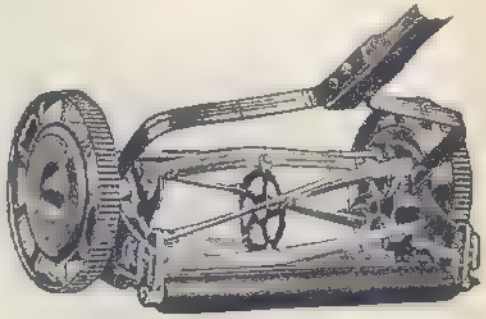


Have set screw adjustment. Set screws are case hardened.

The adjustable caps are split and not solid, so as to take up the wear in the journal bearings.

Vanadium crucible steel stationary knives attached to cast back with screws. Vanadium steel cylinder blades are attached to cylinder ends with rivets.

STYLE "K"



Style "A", Plain Bearings

10 in. Drive Wheels, 6⅝ in. Cylinder, 4 Revolving Blades, Train of Three Gears on One Side, Double Ratchet, Finished in Silver and Gold. Neatly Striped.

Width of Cut, Inches	15	17	19	21
Weight Each, Lbs.	39	42	44	46
Each	$30.00	34.00	38.00	42.00

All steel construction and a front axle and train of gears on one side only, but driving from both wheels by means of a double ratchet. Bearings bored for extreme accuracy, 1⅛ in. diameter and 1¾ and 2 in. long. Has self-oiling cups and Vanadium crucible steel blades. One in a Box.

Style "K", Plain Bearings

10 in. Drive Wheels, 6½ in. Cylinder, 5 Revolving Blades, Single Pinion, Geared Both Sides, Painted Green with Red Cylinder.

Width of Cut, Inches	14	16	18	20
Weight Each, Lbs.	40	42	44	46
Each	$24.00	26.00	28.00	30.00

Bearings are 1⅝ to 2¼ in. long and ⅛ in. diameter, bored for extreme accuracy. A good general purpose mower for hard knocks. Single pinion gears on each side.

LAWN MOWERS

COLDWELL

AMBASSADOR

Ball Bearing

Finest drop forged steel balls, case hardened. Cones made from steel shafting, turned and ground for true finish. Gears are pinion and flat sliding pawl type. Direct drive from both sides. Gears enclosed and protected.

Open type frame is light but very strong. Shouldered tie rod with nut holds frame rigid. Open style wheels with solid center, six spokes.

Specially designed lipped steel, finest quality bottom knife. Hardwood varnished handle with adjustable braces. Finished in Regal Green and Gold.

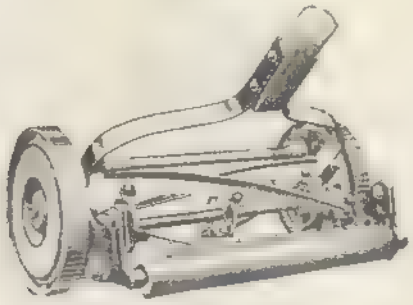
Height of cut ½ to 1½ in.

10 in. Drive Wheels, Five Crucible Steel Blades

Width of Cut, Inches.....	14	16	18
Shipping Weight Each, Lbs..	50	54	56
Each	$16.50	17.75	18.75

One in a Box.

COLONIAL



Ball Bearing

Same high grade material and careful workmanship as used in the higher priced machines. Ball bearings and cones of the same grade and finish. Pinion and sliding flat pawl drive. Solid wheels.

Flat crucible steel self-sharpening bottom knife. Hardwood varnished handle. Finished in aluminum with red and gold trim.

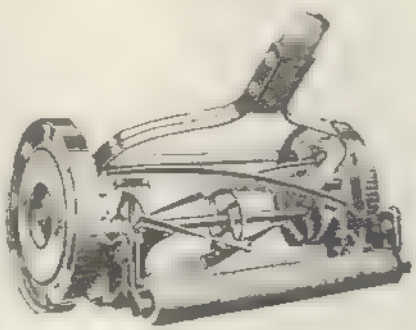
Height of Cut ½ to 1½ in.

8 in. Drive Wheels, Four Crucible Steel Blades

Width of Cut, Inches....	12	14	16	18
Ship'g Weight Each, Lbs.	31	38	40	42
Each	$12.00	12.25	12.75	14.00

One in a Box.

LAKEWOOD



Ball Bearing

Finest case hardened drop forged steel balls. Cones are made from steel shafting, turned and ground for true finish. Gears are internal enclosed flat pinion and sliding pawl. Direct drive from both sides.

Flat crucible steel self-sharpening bottom knife. Hardwood varnished handle with adjustable braces. Solid style wheels with eight spokes. Aluminum finish with red and gold trim.

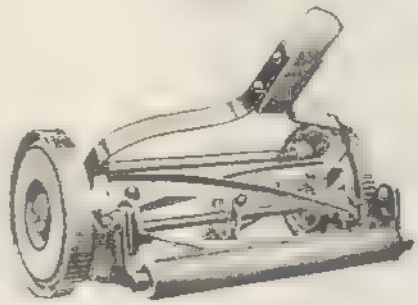
Height of Cut ½ to 1½ in.

9 in. Drive Wheels, Four Crucible Steel Blades

Width of Cut, Inches.....	14	16	18
Shipping Weight Each, Lbs.	44	47	49
Each	$14.00	14.75	15.25

One in a Box.

JEWEL



Bronze Bearing

Material and workmanship are of the same high quality as used in the higher priced machines. Adjustable split bronze bushings. Pinion and sliding flat pawl drive. Solid wheels.

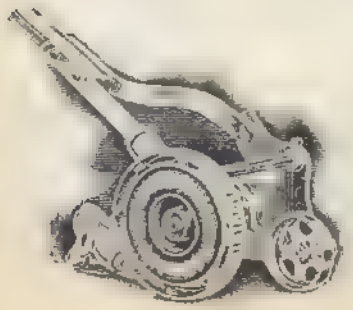
Flat crucible steel self sharpening bottom knife. Hardwood varnished handle. Finished in aluminum with red and gold trim.

Height of Cut ⅜ to 1½ in.

8 in. Drive Wheels, Four Crucible Steel Blades

Width of Cut, Inches.....	12	14	16
Shipping Weight Each, Lbs....	36	38	40
Each	$9.00	9.50	10.00

One in a Box.



LAWN TRIMMERS

COLDWELL, BALL BEARING

For finishing along walks, walls and flower beds, where the regular lawn mower cannot be used. Does away with the job of trimming with shears.

Case hardened drop forged steel balls. Cones made from steel shafting. Fine cut gears, pinion and pawl drive. Solid wheel on right, small caster wheel on left side. Parts are malleable and cast and of first quality.

Finest tool steel, self-sharpening bottom knife, heavily ribbed bottom knife bar. Finished in gold bronze with maroon striping.

	Each
Trimmer—8 in. Cut, Four Crucible Steel Blades, 8 in. Wheels, Shipping Weight Each 31 Lbs.....	$12.75

One in a Box.

Hibbard AUTO CLOCK

The Hibbard Clock is a dependable, practicable timekeeper, attractive in design and adds appearance to the instrument board. Case is highly nickel plated, round in design. Measures 3 in. in diameter at base, where it is attached to instrument board with three screws. Offset is 1 in., diameter of lens, 1¼ in.

Clock has 30 hour New Haven movement and cannot be removed without taking case off cowl board.

No. C5954—Complete, ready for installation ..... each $3.35

ONE IN A BOX

AUTO CLOCKS

THE MINUTE METER

A very good timekeeper of attractive design and improves the appearance of the instrument board. The case is highly nickle plated. Clock has a 36 hour movement, easily regulated, and is provided with an effective vibration absorber. Fits flush on all instrument boards. Has 2 in. dial, case is 3¼ in. wide., length 3¼ in., depth 1 in.

To install, use the pattern as furnished with each clock, cut the dash, bolt case onto dash., insert clock, turn catch in lower part of case and clock is held firm. Easily removed if necessary.

No. C5952—Plain Dial, w't each 1¼ lb. ..... each $3.65

No. C5951—Luminous Dial, w't each ¾ lb. ..... each $5.20

ONE IN A BOX; 12 IN A CARTON, COMPLETE, WITH A DISPLAY EASLE

PHINNEY WALKER AUTO CLOCKS

"MANHATTAN" 12-day, rim wind and rim set, flush type mounting. Regulator on dial. Size of hole required 3 in., space required 3⅜ in. Fastened to board with 3 screws. Black with nickel bezel.

No. C5946—Black with White Numerals, w't each 2 lbs., each $22.20

ONE IN A BOX

"ERIE" 12-day, ratchet lever wind with knob set. Is a wonderful timekeeper. Rests flush with instrument board. All nickel. Regulator on dial. Size of hole 2⅜ in., space required 3¼ in. For metal or wood board. W't each 2 lbs.

No. C5943—Black with White Numerals ..... each $12.45

No. C5944—Luminous Dial, each 17.10

ONE IN A BOX

"BROADWAY" 12-day, rim wind, rim set. An excellent timepiece. All nickel. Regulator on dial. Size of hole 2⅜ in. Space required 3⅜ in. For wood or metal board.

No. C5945—Black with White each $18.45

ONE IN A BOX

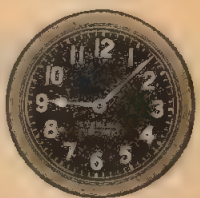
PHINNEY WALKER AUTO CLOCKS

"TACOMA" 30-hour, stem wind and stem set Clock. Easily installed. All nickel. Regulator on back. Drill one ⅞ in. hole in instrument board, insert bolt located on back of clock, tighten nut. Space required on cowl-board 1⅞ in., length of stem 1⅜ in. W't each ½ lb.

No. C5947—Black with White Numerals ..... each $3.65

No. C5948—Luminous Dial, each 5.20

STERLING ELECTRIC AUTO CLOCK



You Don't Wind Your Speedometer. Why Wind Your Automobile Clock?

Sterling Automobile Clock is wound automatically by your battery. An accurate time keeper. Contains reliable clock movement. Has a 3⅜ in. face and is readily installed on the dash by drilling a 2⅜ in. hole. A single wire is connected to the back of the Ammeter. Can be installed on any car having a 6 volt storage dry battery. Used as a standard equipment on many cars.

No. C5949GN—Black dial, white figures and hands, w't 1 lb., each $25.00

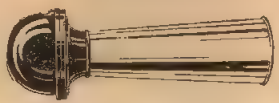
ONE IN A BOX

"EA" MOTOR HORNS

The achievements of eighteen years of exhaustive engineering experiments and development in the manufacture of warning signals for automobiles and trucks gives the "EA" horns a world-wide reputation for recognized superiority. Built for service and stamped with the approval of the manufacturers using them to safely guide the destiny of their cars, and insure their drivers' safety and satisfaction.

"TOROVOCE" HORN

"The King of Warning Signals"



A horn of superior construction, has a distinctive penetrating tone of clearness and volume similar to the bellow of the wildest Toro or Mexican Bull. Exclusive features: Motor-driven, with magnetically operated sound-producing mechanisms, eliminating mechanical wear; longer carrying distinctive and different sound to the present types of motor-driven or vibrator horns.

No. C6057—Model S. Length 15¾ in., diameter 5 in., finish black enamel; brass nickel plated projector bracket. Engine mounting. 6 volts, w't each 5 lbs.....each **$29.35**

No. F6052—Model C. Curved type for installation on headlight cross rod or dash, diameter 5 in., finish black enamel; brass nickel plated projector bracket. Engine mounting. 6 volts, w't each 5 lbs.★.....each **$33.35**

ONE IN A BOX. SIX IN A CARTON

Broadcaster Model

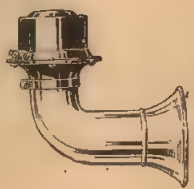
No. C6050—Length 10 in., diameter 4¾ in., finish all black. Voltage 6 volts. Bracket: Engine or dash bracket, w't 3 lbs.....each **$5.00**

ONE IN A BOX. TWENTY IN A CARTON

Mile-Away Junior Model

No. C6054—Length 13 in., diameter 5¾ in., finish all black. Voltage 6 volts. Bracket: Engine or dash bracket, w't 3 lbs. .....each **$8.00**

ONE IN A BOX. TEN IN A CARTON



Premier (Vibrator)

No. C6059—Diameter 5 in., finish black with nickel plated projector. Voltage 6 volts. Bracket: for attaching to headlight cross rod or dash, w't 4¾ lbs., each **$16.65**

ONE IN A BOX. SIX IN A CARTON

Broadway

A high speed vibrator horn with high tone.

No. C6060—Length overall 11¾ in., diameter 5 in., finish all black enamel. Voltage 6 volts. Bracket: for engine or dash mounting, w't 4 lbs.....each **$6.65**

ONE IN A BOX. TEN IN A CARTON

★Items Marked Thus ★ Are Shipped From Factory Only.

PIERCE-ARROW

Simplicity, as *thinking* people know, is a distinguishing mark of quality. During twenty-six years Pierce-Arrow has been simplified to the highest point of efficiency. In appearance and operation it exemplifies the unaffected charm and richness of classic art blended with superb performance and genuine economy in cost and maintenance. . . . Pierce-Arrow is the chosen car of those who discriminate, who value it for its simple, impressive elegance as well as for its thrilling responsiveness. The Pierce-Arrow Motor Car Company, *Buffalo, N. Y.*

ENCLOSED CARS
$2495 TO $8000
at Buffalo, tax extra
TERMS IF DESIRED

Courtesy of The Pierce-Arrow Motor Car Company, Buffalo

Prepared by Henri, Hurst & McDonald, Chicago

A MAGAZINE ADVERTISEMENT

Four-color process—133-line screen—line negative of the border stripped on black plate
Made from water color drawing

Engraved by ROGERS ENGRAVING COMPANY, Chicago

Cold, delicious, invigorating

Tinkling ice, good coffee and rich, creamy Carnation . . . there's a delicious, refreshing summer drink. Sweetened or unsweetened, in tall glasses of flavor but in the genuine nourishment provided by the pure, fresh, *doubly-creamy* Carnation.

A great hot-weather ally is Carnation Milk, dependably good no matter what the weather. Ready to lend its creamy richness to summer fruits and cereals . . . and to *cooking*. There, perhaps, it makes its most brilliant showing—giving smoothness, delicacy, fineness of texture which experts agree cannot be equaled by the best of fresh milk.

Carnation is simply pure cow's milk, evaporated to double richness, sterilized for safekeeping and homogenized to distribute the cream through every drop. Try it. You'll see!

Write for Mary Blair cook Book

CARNATION MILK PRODUCTS COMPANY
738 Carnation Bldg., Oconomowoc, Wis.
838 Stuart Bldg. Seattle New York: Arlington

Courtesy of THE CARNATION MILK PRODUCTS COMPANY

Created by ERWIN, WASEY & COMPANY

A MAGAZINE ADVERTISEMENT

Four-color process—133 line screen made from original four-color photographic prints

This insert of eight pages designed and engraved
by ROGERS ENGRAVING COMPANY, Chicago

Steel Plate Enamel 80 lb. base

The Assurance of a Better Score

Judge this improved Pinehurst from every standpoint and it will measure up to the standard of the World's most expert golfers. It will give consistently more yards per drive ever known. It is dead on the green and no truer ball for putting has ever been made. A new Pinehurst in a new handy package, a longer ball, a truer ball—of distinguished appearance and marking—a Wilson. Play it and know the joys of greater distance and positive accuracy. The Pinehurst and Wilson V Balls are marked in four different colors for ease in identification.

PINEHURST

No. C820M — Mesh marking,
sinks .....per dozen *$9.00*

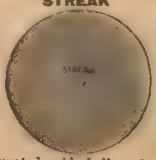
QUARTER DOZEN IN A BOX, ONE DOZEN IN A CARTON

WILSON V

No. C840M — Mesh marking,
sinks ..... per doz. *$7.80*

QUARTER DOZEN IN A BOX, ONE DOZEN IN A CARTON

STREAK



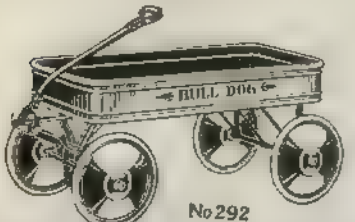
The most durable ball made at this price. A good distance ball which has proven exceptionally accurate on the putting green.

No. C850R — Recessed marking,
sinks .....per dozen *$6.00*

No. C870M — Mesh marking,
sinks .....per dozen *$6.00*

ONE DOZEN IN A BOX

"BULL DOG" STEEL COASTER WAGONS.



No 292

The Last Word in Low Priced Steel Wagons.

Body—Size 15x32 inches; heavy sheet steel. Large roll around top of box, sides beaded. Top and bottom are joined in a heavy double lap seam, making a firm and very rigid box.

Gear—Improved corrugated gear with unusual strength. Wooden cleats between gear and bottom of box to give a base for the gear to rest on and so the bolts will draw up better and stay tighter than when iron is drawn against iron. These cleats also eliminate noise.

Wheels—10-in. roller bearing wheels, ¾-in. tires; nickeled hub caps.

Handle—Tubular handle curved to bring it in a practical position for steering. Handle has attachment to keep it from bumping body.

Finish—Box is finished in a snappy red, stenciled in gold, wheels in red, gears and handle black.

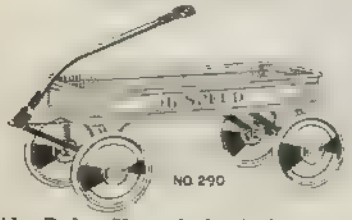
Net Each

NO. 292—Size 15x32 in., 10 in. steel disc wheels, ¾ in. tires..... $7.50

In lots of 12 or more..... $7.30

ONE COMPLETE IN CARTON; WITH PAPER TO PROTECT FROM SCRATCHING.
SHIPPING WT. 31 LBS.

HI-SPEED ALL STEEL COASTERS. "PAXTON CYCLONE."



Wide Body—Channel Steel Gear—Roller Bearings—Steel Throughtout—1-inch Rubber Tires.

Body—Size 14x30 inches inside; depth 4 inches. Top of body has ⅝-inch roll and sides heavily beaded. Bottom also is beaded which makes it very rigid.

Gear—Channel Steel Gear with ½-inch cold drawn steel axles.

Wheels—Diameter 9½ inches with 1-inch corrugated rubber tires; roller bearing; double disc, riveted.

Handle—Tubular handle curved.

Finish—Finished in a beautiful orange baked enamel and stenciled in black. Wheels, tangerine, striped in black. Gear, black enamel.

Net Each

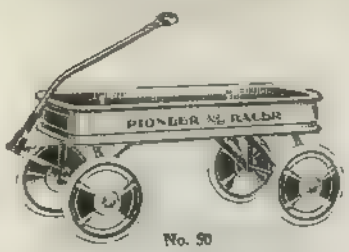
NO. D290—Size 15¼x31x4, 9½-in. wheels with 1-inch corrugated rubber tires, double disc roller bearings, tubular handle curved..... $10.62

In lots of 12 or more..... 10.00

ONE IN A CARTON, WEIGHT 34 LBS.

"PIONEER" ALL STEEL RACERS.

The Best on the Market.



No. 50

An indestructible all steel coaster wagon, unsurpassed for strength, durability and beauty.

Body—Body has a ¾-inch roll around top and ⅝-inch roll around bottom. Heavy gauge steel, reinforced with wide panel extending around sides and ends of the box. Box made of one piece formed over dies, absolutely true to form and size. Bottom of box is of one piece extra heavy sheet steel, with the edge formed to make a seat for the sides to fit in, and with the edge of the bottom turned down so it will not scratch or harm the child, and also giving great strength to the bottom. The bottom is reinforced underneath with steel cleats. Top box is removable, and is fastened to the bottom with four braces extending almost to the top of the box inside.

Gear—Is of heavy steel, easily assembled, ½-inch cold rolled axles. Wide braces to body.

Wheels—Double disc, roller bearing, with 1-inch corrugated tires. Hub caps attached with a wrench which is supplied with every wagon. The hub caps can be put on or taken off freely, and when put on will stay on.

Handle—Tubular handle curved.

Finish—The finish of the top part of box is a beautiful red, baked on, stenciled in gold. Bottom of box is black enamel, baked on. Gear, black enamel. Wheels, red, striped in yellow.

Net Each

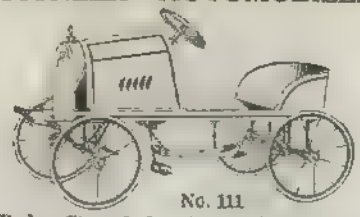
NO. 50R—Size 14¾x33¾ in., 10 in. double disc wheels, 1 in. balloon tires..... $12.12

In lots of 12 or more..... 11.50

ONE IN A HEAVY CARTON, WT. 40. LBS.

For the highest quality of White Enameled Ware, try the Polar brand. This we have for prompt shipment.

"PIONEER" AUTOMOBILES.



No. 111

Body—Size of chassis, 12x30 inches. Wheel base, 24 inches.

Finish—Body, hood and seat, red enameled. Decorated in black and yellow.

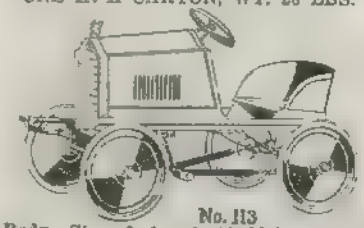
Equipment—Cast steering wheel, motor-meter.

Wheels—10-inch wire with ⅝-in. tires, red.

Net Each

NO. 111A..... $9.76

ONE IN A CARTON, WT. 26 LBS.



No. 113

Body—Size of chassis 12x30 inches. Length overall, 37 inches.

Finish—Body hood and seat, Milwaukee brown. Striped and decorated in Portland amber and red.

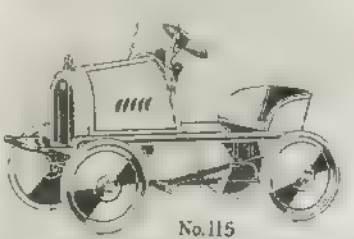
Equipment—Rear spring gear with bumper. Steel pedals. Name plate. Cast steering wheel with gas lever. Radiator cap. Pines winter front.

Wheels—10x1½ inches, R. T. Disc.

Net Each

NO. 113..... $13.00

ONE IN A CARTON; WT. 35 LBS.



No. 115

Body—Size of chassis, 12x30 in. Length overall, 37 inches.

Finish—Body, hood and seat, red. Striped and decorated in yellow and blue.

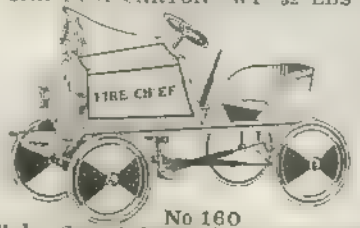
Equipment—Bumper, steel pedals, Cast steering wheel without gas lever. Name plate. Radiator cap. Windshield.

Wheels—10x1½ inches, R. T. disc.

Net Each

NO. 115..... $13.38

ONE IN A CARTON. WT. 32 LBS.



No 160

Body—Size of chassis 12x31 inches. Length overall 38 inches.

Finish—Body, hood and seat, red. Striped and decorated in yellow and blue.

Equipment—Rear spring gear with bumper. Block rubber pedals. Metal seat. Cast steering wheel with gas lever. License tag in front. Model L head lamps. Small gear shift. Bell as shown.

Wheels—10x1½ inches, R. T. disc.

Net Each

NO. 160..... $15.62

ONE IN A CARTON; WT. 37 LBS.

WAGONS.

WHITE "ZIP CARTS."

Made by H. C. White Co. Manufacturers of "Kiddie Karts."

Zip Carts are made entirely of selected hardwood. Front and rear boards of box are mortised into sides. Natural varnish finish throughout. Circus design in two colors printed on sides. The most carefully finished and best looking child's wagon in its price range.

	Net Per Doz.
NO. 250—Size 8½x16 in., 4 in. maple wheels, weight 62 lbs. per doz.	$21.00
Net each	1.90
NO. 251—Size 9½x20 in., 4 in. maple wheels; wt 51 lbs. per doz	$25.20
Net each	2.30

FOUR IN A CARTON

COMMON STEEL WAGONS.

No. 04 S

Steel Body and Wheels, Wood Bottom, Beautifully Finished, Reinforced Braces, Very Strong.

Bodies, outside painted red with gold stenciling; inside green. Gears and wheels, baked black enamel, small sizes have two rear braces, large size have three rear braces.

NOS.	01S	02S	1S
Size of body	8x18	10x22	12x26 in.
Size of wheels ...	5	8	10
Weight per dozen.	60	84	138
Net per doz.	23.26	28.00	40.00
Number in carton	4	2	2

SPECIAL PACKING.
For One Only in a Carton Add 10%.

"PIONEER" STEEL TOY WAGONS.

No. 226

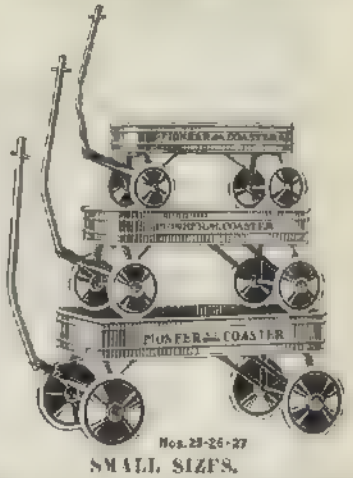
With Steel Disc Wheels.

	Net Per Doz
NO. 219—Body 6x12 inches, all steel; sides beaded. Finished in Carmine with yellow stenciling. Steel gear, black enameled. Wood handle. Wheels, 4½ inches plain bearings all-steel disc, blue enameled. Packed one dozen in carton. Weight per dozen 40 lbs.	$15.70
NO. 226—Body 10x22 inches, all steel; sides and bottom joined in a double lap seam. Sides beaded with roll on top. Finished in Carmine with yellow stenciling. Steel gear, black enameled. Wood handle. Wheels 6 inches plain bearing all-steel disc, blue enameled. Packed one-third dozen in a carton. Weights per dozen 105 pounds.	33.60
NO. 227—Body 12x36 inches, all steel; sides and bottom joined in a double lap seam. Sides beaded with roll on top. Finished in Carmine with yellow stenciling. Steel gear, black enameled. Wood handle. Wheels 8 inches plain bearing all-steel disc, blue enameled. Packed one-third dozen in a carton. Weight per dozen 125 pounds.	44.62

SPECIAL PACKING.
For less than carton lots, add 10%.

We make a specialty of shipping goods by truck and our department for handling such rush business is most efficient.

JUNIOR "PIONEER" ALL STEEL COASTERS



Nos. 25-26-27

SMALL SIZES.

Steel Gears—Roller Bearing Disc Wheels.

Note particularly the method by which the top of the box, that is the sides and ends, is attached to the bottom. This is a seaming process which leaves a heavy wide fold around the bottom of the box. This extends below the bottom an eighth of an inch and makes the box very stiff and strong. No other manufacturer is making all steel wagon boxes by this method

Strength—durability—and beauty puts this line of all steel wagons in a class by themselves.

Body—Has ⅝ inch roll at top and sides heavily beaded. Bottom also is beaded making it very rigid. Top and bottom are jointed in a heavy double lap seam, which is done on a special built sheet metal seamer. This seam at the bottom, together with the roll at the top and beads on the side make not only a rigid but very classy looking body. The bottom of No. 27 is reinforced with four steel cleats; on the Nos. 25 and 26 there is one cleat only at fifth wheel.

Gear—Heavy band steel ¾x⅛ inches—arched. Band steel braces to body. Dressed hard wood handle shellaced and varnished.

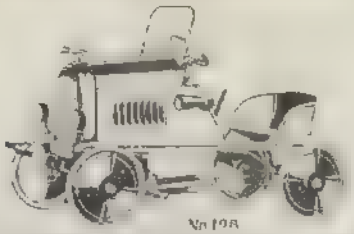
Finish—Body finished in a beautiful royal blue baked enamel and stenciled in gold Gears, black enamel and wheels, red. Handles, red enameled.

	Net Each
NO. 25—8x18 in. body, 4½ in. disc wheels, ½ in. rubber tires, weight per carton 15 lbs ..... List each $2 80	$1.40
NO. 26—10x22 in. body, 5½ in. disc wheels ⅝ in rubber tires, weight per carton 20 lbs ..... List each $3 75	5.24
NO 27—12x26 in. body, 7 in. disc wheels, ⅝ in rubber tires, weight per carton, 25 lbs ..... List each $4 40	6.92

PACKED TWO EACH IN A CARTON, WITH INSIDE STRAWBOARD LINERS TO PROTECT BOTTOM AND SIDES FROM BEING SCRATCHED.

SPECIAL PACKING.
For less than carton lots, add 10%.

"PIONEER" AUTOMOBILES.



No 120

Rear Spring Gear, Nickel Plated Radiator. Name and Design Used Exclusively by Gendron.

Body—Size of chassis, 12x36 inches. Length overall, 42 inches.

Finish—Body, hood and seat, Whippet blue. Striped and decorated in red and black.

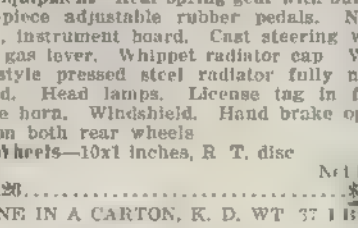
Equipment—Rear spring gear with bumper. Two-piece adjustable rubber pedals. Name-plate, instrument board. Cast steering wheel with gas lever. Whippet radiator cap. Whippet style pressed steel radiator fully nickel plated. Head lamps. License tag in front. Large horn. Windshield. Hand brake operating on both rear wheels.

Wheels—10x1 inches, R. T. disc.

Net Each

NO. 120.....$25.00

ONE IN A CARTON, K. D. WT. 37 LBS.



No 172

Body—Size of chassis, 12x34 inches. Length overall, 41 inches.

Finish—Body, hood and seat, Delphi green, trimmed in olive. Striped and decorated in yellow and red.

Equipment—Full spring gear with bumper. Two-piece adjustable rubber pedals. Name plate. Cast steering wheel with gas lever. Small cast motometer. License tags in front and rear. Lamps. Large horn. Small gear shift. Pines winter front.

Wheels—10x⅝ inches, R. T. disc.

Net Each

NO. 172.....$20.26

ONE IN A CARTON, K. D. WT. 45 LBS.

No. 144

Full Spring Gear, Nickel Plated Radiator. Fully Equipped.

Body—Size of chassis, 13x45½ in. Length overall, 51 inches.

Finish—Body, hood and seat, Whippet blue. Striped and decorated in yellow and black. Fenders black.

Equipment—Full spring gear with double bar, black bumper. Ball bearing rear axle brackets. Two-piece adjustable rubber pedals. Name plate. Whippet radiator cap. Whippet style pressed steel shell radiator, fully nickel plated. Cast steering wheel with control box, and two levers. Model F head lamps. License tags front and rear. Large horn. Instrument board. Oil can. Seat pad. Windshield with air-flex wings. Heavy drop edge fenders with running boards and scuff plates. Hand brake operating on both rear wheels.

Wheels—12x1 inches, R. T. disc.

Net Each

NO. 144.....$42.76

ONE IN A CRATE, SET UP. WT. 110 LBS.

"PIONEER" SIDEWALK CYCLES.

Frame—Tubular frame with brazed joints. Fork head, hanger bracket and seat post casting are malleable casting, brazed joints. Rear stays are heavy flat steel. Front fork malleable and very strong.

Wheels—12-in. riveted spoke, plain bearing. One-inch rubber tires, corrugated tread, front and rear. Rear wheel has bicycle type chain adjusters for tightening chain.

Cranks—Enameled steel cranks with enameled stamped steel sprocket. Roller bearings in the hanger bracket.

Pedals—Rubber pedals, plain bearing.

Finish—Carmine, striped in gold.

Equipment—Double rubber pedals, single coil spring, saddle with padded top, adjustable handle bars with rubber grips. Seat post is seven inches long to be adaptable to various sizes of children. Parking stand on rear. Roller chain.

Net each

NO. 8.....$19.76

PACKED ONE COMPLETE IN A CARTON. WT. 37 LBS.

No. 11

Real Bicycle Hubs and Ball Bearings in Wheels.

Frame—Tubular frame with brazed joints. Fork head, hanger, bracket, and seat post casting are malleable casting, brazed joints. Rear stays are heavy flat steel. Front fork malleable and very strong.

Wheels—12-inch Tangent bicycle spoke, nickel plated hubs, ball bearing. One-inch rubber tire, corrugated tread, front and rear. Rear wheel has bicycle type chain adjusters for tightening chain.

Cranks—Nickel plated steel cranks with nickel plated stamped steel sprocket. Ball bearings on each side of the hanger.

Finish—Nile blue, which is a beautiful shade. Striped.

Equipment—Double rubber pedals, double coil spring saddle with padded top and tool bag, adjustable handle bars with rubber grips. Seat post is 7 inches long to be adaptable to various sizes of children. Parking stand on rear. Roller chain.

Net Each

NO. 11.....$24.38

PACKED ONE COMPLETE IN A CARTON. WEIGHT 37 POUNDS.

"PIONEER" SIDEWALK CYCLES.

Real Bicycle Tubes and Ball Bearings in Wheels.

Foot rest for coasting regularly.

Hand Brake on Front Wheel.

Frame—Tubular frame with brazed joints. Fork head, hanger bracket, and seat post casting are malleable casting, brazed joints. Rear stays are heavy flat steel. Front fork malleable steel and very strong.

Wheels—12-inch Tangent bicycle spoke, nickle plated hubs, ball bearing. One-inch rubber tire, corrugated tread, front and rear. Rear wheel has bicycle type chain adjusters for tightening chain.

Mud Guards—On both front and rear wheels as shown.

Cranks—Nickel plated steel cranks with nickel plated stamped steel sprocket. Ball bearings on each side of the hanger.

Finish—Nile blue which is a beautiful shade. Striped.

Equipment—Ball bearing rubber pedals, double coil spring saddle with padded top and tool bag, adjustable bars with rubber grips. Seat post is 7 inches long to be adaptable to various sizes of children. Parking stand on rear. Roller chain.

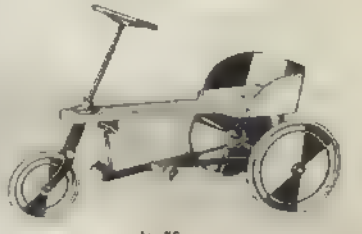
WITH COASTER BRAKE ON REAR WHEEL.

Net each

NO. 18—Fitted with a New Departure Coaster Brake in rear wheel, with a bell on the handle bars, 1¾-inch rubber tires and finished in baked enamel, striped in gold.. .....$30.26

ONE COMPLETE IN A CARTON. WEIGHT 39 POUNDS.

AUTO BIKES.



No 35

Specifications—Seat board, 24x10½ inches, automobile steering post with cast steering wheel. Top of seat board 11¼ inches from floor. Block rubber pedals.

Wheels—10-in. plain bearing disc with ⅛-inch R. T. in the rear and 7-in. plain bearing disc with ⅝-in. R. T. in front.

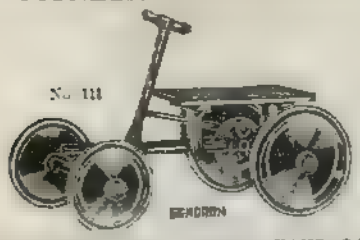
Finish—Seat board and back, enameled in red and striped. Steering wheel, steering post and gear, black enameled. Wheels red enameled and striped.

Net Each

NO. 35.....$7.00

TWO IN A CARTON. WT. 56 LBS.

"PIONEER" HAND CARS.



DISC WHEEL GEAR DRIVE HAND CAR.

Steel Frame—Built for little tots, 2 to 4 years of age, frame rails ¾x⅞-inch flat steel, well braced; gear drive construction

Wheel Base—22-inches; tread 12 inches; seat 9 inches from floor; feet guides on front axle.

Finish—Wheels red enameled; other metal parts black baked enameled, striped in yellow; seat finished natural, with transfer and striped.

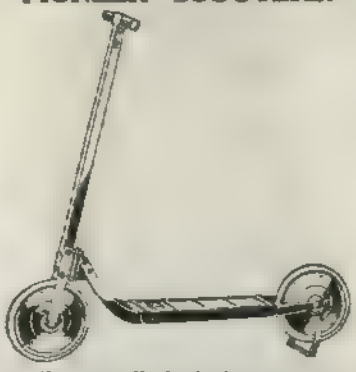
Net Each

NO. D111HC—Front wheels 8-inch plain bearing disc, rear wheels 10-inch plain bearing disc, with ⅛-inch rubber tires.....Crate lots $ 9.50
.....One in a crate 10.00

TWO IN A CARTON, WT. 35 LBS.

We commend to your special consideration Prairie Poultry and Field Fencing, an outstanding product of the American Steel & Wire Co.

"PIONEER" SCOOTERS.

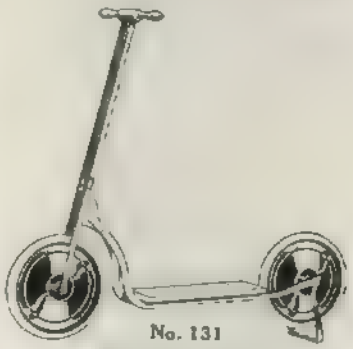


Length over all, 32 inches. Length from front hub to rear hub, 25 inches. Metal foot board beaded, size 4½x13 inches. Frame and foot board black enameled. Red wheels and fork. Upright of wood with wood cross handle, red. Height to top of handle 30 inches

Net Each

NO. 103—Pioneer Scooter, with 7-inch plain bearing disc wheels, fitted with ⅝-inch rubber tires and quick action stand.....Crate lots (4) $8.50
Broken lots $8.90

FOUR IN A CARTON; WT. 34 LBS.



No. 131

With Foot Brake.

Length of frame overall 36 inches. Length from front hub to rear hub, 26 inches. Foot board 5½x13 inches. Finished natural with decorations done on printing machine. Cross handle, wood, 30-inches from floor. Frame is made of flat steel, finished in carmine. Wheels are red enameled.

Net Each

NO. 131—Pioneer Scooter with 9½-inch roller bearing disc wheels fitted with ¾-inch rubber tires and quick action stand; also fitted with a foot brake stand; also fitted with a foot brake $5.50

NO. D111S—Pioneer Scooter, with 10-inch roller bearing disc wheels, fitted with 1-inch rubber tires and quick action stand.....Crate lots $5.70
Broken lots $6.30

BALLOON TIRE SCOOTERS.

NO. 117—Pioneer Scooter with 10-inch roller bearing disc wheels, fitted with 1¾-inch Rib tread rubber tires and quick action stand. Rubber mat.....Crate lots $7.76
Broken lots 8.50

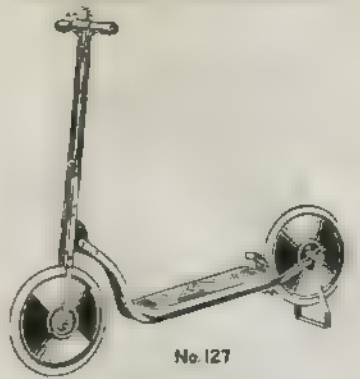
ALL ABOVE PACKED TWO IN A CARTON
APPROXIMATE WEIGHT 33 POUNDS

Length of frame overall 40 inches. Length from front hub to rear hub 30 inches. Cross handle, wood, 32-inches from floor. Otherwise same as nos. 108 and 111.

NO. D122—Pioneer Scooter with 12-inch roller bearing disc wheels, fitted with 1-inch rubber tires and quick action stand.....Crate lots $7.76
Broken lots 8.50

ALL TWO IN A CARTON; WT. 35 LBS

"PIONEER" SCOOTERS.



No. 127

Safety Foot Brake Scooters.

Length of frame overall 36 inches. Length from front hub to rear hub 26 inches. Foot board 5½x12½ inches, with shaped edges and moulded rubber mat on top. Frame is made of flat steel, finished in carmine, sides of foot board and wheels red enameled and striped. Bell on cross handle.

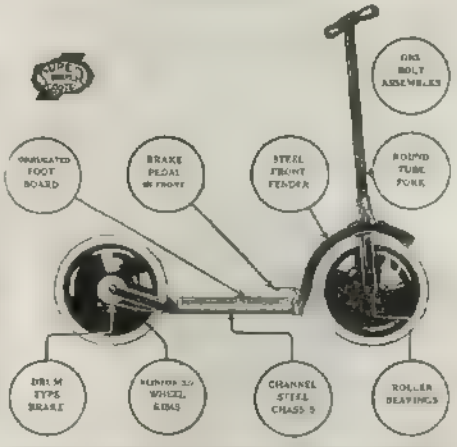
Safety Brake—When foot pressure is removed from brake arm, brake releases automatically through action of heavy spiral spring. The oval brake roller has a large friction surface which controls the speed of the scooter without undue wear on the tires. This is the same brake release and oval spool roller which we use on our more expensive hand brake scooter.

Net Each

NO. 127—10-inch roller bearing disc wheels fitted with 1-inch rubber tires and quick action stand. List each 4.85 and quick action stand. Crate lots ..$7.26
Broken lots 8.00

ALL TWO IN A CARTON; WT. 36 LBS

"MO-TOY" SUPER BRAKE SCOOTERS.



WITH "MO-TOY" PATENT DRUM BRAKE.

Net Each

NO. 36B—Full channel one-piece construction, with front and rear mud guards and stand, finished in black enamel. Length 38 in., height 32¾ in. 10½ in. steel disc wheels, 1 inch rubber tires; **standard bicycle ball bearings;** nickelplated head. Red finished wheels.....List each $6.95 **$5.26**
In lots of less than 12..... 9.74

BIGGEST VALUE IN THE COUNTRY.

Net Each

NO. 77—Same as No. 36B, except ¾ in tires, no rear fender, plain metal band brake, roller bearings. List each $3.95 **$3.28**

TWO IN A CARTON

STEEL ROW BOATS

Fl bottom boat, designed for fishing, cottagers and summer resorts. Note the long lines and deep body. Rides high, handles easy, roomy.

EQUIPMENT

One pair copper tipped oars painted or varnished, false bottom of light cedar, anchor pulleys and wood rail inside boat, furnished with each boat.

Made of 20 gauge galvanized sheet steel. Wood seats over the air chambers, seams are double locked, can't leak, large air chambers in boat give the maximum of safety.

OUT BOARD MOTOR

Each boat fitted for attaching an out board motor. Stern of boat is especially reinforced for this purpose. The design of the boat makes its use with an out board motor very satisfactory.

Boats are painted battleship gray and trimmed in green.

Nos.	F12	F13	F14	F15	F16	F17
Length, ft.	12	13	14	15	16	17
Depth, in.	15	15	15	15	15	15
Width, beam, in.	44	45	46	46	47	48
Width, stern, in.	24	25	25	26	27	28
No. of seats	3	3	3	4	4	4
Shipping w't each, lbs.	200	215	230	260	280	300
Each	$88.90★	88.90★	93.75★	96.85★	102.00★	107.30★

LIVE BOXES AND FISH WELLS

One of the most convenient accessories for a fisherman is a live box in a boat. This is placed under one of the seats, can be divided into two compartments where desired, one for live bait and one for fish. Holes in the bottom of the boat are so arranged that the motion of the boat causes a continuous flow of fresh water in the boxes. No dead minnows, fish always fresh when you reach your cottage.....each $17.20

GUARANTEE

All of these boats are guaranteed both as to material and workmanship. Any defects will cheerfully be made right.

CANOE GLUE

Its particular properties are those of flexiblity and durability, clean and insoluble in water.

Invaluable for quick repairs on either canvas or cedar canoes.

Any puncture or leak in boat or canoe can be repaired in five minutes.

No. C1G—Jeffery's, special marine canoe, guaranteed to be waterproof, in friction top cans, w't per doz. cans 3 lbs. 15 oz.....per dozen cans $6.65

★ Items Marked Thus ★ Are Shipped from Factory Only.

IMPERIAL FOLDING BOAT SEAT

Adapted for use in row-boats, launches and canoes. Well and substantially made. Indispensable to sportsman and fisherman. Slips on ordinary boat seat, is light and neat in appearance. Folds compactly and is easy to carry. Braces the back of the tired and weary fisherman.

If desired, back can be lowered while rowing to and from fishing or hunting grounds. Ideal seat for bottom of canoe or boat. A favorite of ladies when boating.

No. C215—Padded with felt and upholstered with black water-proof art leather, seat 11x11 in., back 16 in. high, size folded 17x11x2 in., w't per doz. 80 lbs..per dozen $56.20

Our reputation founded on over seventy-two years' business stands back of the HIB brand.

All goods branded HIB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling HIB articles there is a profit for you and satisfaction to your customers.

OAR LOCKS

Socket, malleable iron.

PLAIN

Nos.	C11	C11½
Opening, in.	2	2½
Center, in.	2½	3
W't per doz. prs., lbs.	17	19
Per dozen pairs	$5.20	6.00

GALVANIZED

Nos.	C0	C1	C1½
Opening, in.	1½	2	2½
Center, in.	2½	2½	3
W't, doz. prs., lbs.	12	17	19
Per dozen pairs	$5.00	6.20	7.35

No. C7.

No. C8.

Galvanized, malleable iron.

No. C7—North River, with plate and pin, 2 in. opening, w't per doz. prs. 17 lbs...per dozen pairs $6.55

No. C8—Round socket, with plate, 2½ in. hole, w't per doz. prs. 17 lbs., per dozen pairs $7.00

Malleable Iron.

No. C21—Moline, plain, with side plate, 1½ in. opening, 2½ in. center, w't per doz. prs. 30 lbs., per dozen pairs.....$9.65

GALVANIZED

No. C22—Moline, side plate with North River horn and pin, 2 in. opening, w't per doz. prs. 27 lbs., per dozen pairs.....$10.45

PLAIN OARS

White ash, selected straight grain, reinforced blade.

No. C55—Full bundle five pairs.						No. CC55—Less than bundle.					
Length, ft.	6	6½	7	7½	8	Length, ft.	6	6½	7	7½	8
Per pair	$4.95	5.35	5.75	6.15	6.60	Per pair	$5.00	5.40	5.80	6.25	6.65

COPPER TIPPED OARS

WHITE ASH, SELECTED STRAIGHT GRAIN, REINFORCED BLADE

No. C75—Full bundle five pairs.						No. CC75—Less than bundle.					
Length, ft.	6	6½	7	7½	8	Length, ft.	6	6½	7	7½	8
Per pair	$5.40	5.90	6.35	6.80	7.25	Per pair	$5.50	5.95	6.40	6.90	7.35

SPRUCE, SELECTED STOCK, STRAIGHT BLADE

No. C89—Full bundle five pairs.					No. CC89—Less than bundle.				
Length, ft.	6½	7	7½		Length, ft.	6½	7	7½	
Per pair	$6.95	7.50	8.05		Per pair	$7.00	7.55	8.10	

AVERAGE WEIGHT PER PAIR 4 LBS.

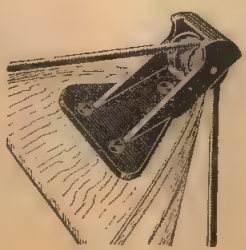
CANOE PADDLES

Spruce, plain tip, selected material, finish in oil.

No. C80—Length, ft.	4½	5	5½
Per dozen	$41.65	41.65	41.65

AVERAGE WEIGHT PER DOZEN 18 LBS.

ANCHOR LINE PULLEYS



It is dangerous to stand up in your boat to raise or lower your anchor. Take no chances. Sit in your seat and do it with the Anchor Line Pulley. With this pulley the anchor can be raised or lowered to any position without tying the rope, and can be operated from any seat in the boat.

No. C348—Bracket and pulley made of best grade cast iron obtainable, each part electro-galvanized separately after machining, insures a special rust preventive, w't per doz. boxes 18 lbs.....per boxes $17.75

ONE DOZEN IN A BOX

PITTSBURGH
ROLLING MILL

PAINTED BY O. KUHLER

FOUR COLOR PROCESS PLATES BY
LIBERTY ENGRAVING CO
PITTSBURGH PA

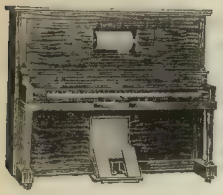
COURTESY McKENNA BRASS & MFG CO
& CHAMBER OF COMMERCE GALLERY

PLAYER PIANOS AND PIANOS

PLAYWELL

Made of genuine mahogany, walnut or oak veneered; dull rubbed finish. Furnished with copper wound bass and silver grain spruce sounding board.

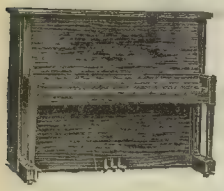
Carefully boxed for shipment.



Height 55 inches; width 63½ inches; depth 26 inches.

	Each
No. 96-M—Mahogany	✣$742 95
No. 96-W—Walnut	✣ 782 65
No. 96-O—Oak	✣ 742 95

Weight each 850 lbs.

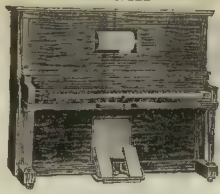


Height 52⅛ inches; width 63¾ inches; depth 25¾ inches.

	Each
No. 80-M—Mahogany	✣$602 40
No. 80-W—Walnut	✣ 619 80
No. 80-O—Oak	✣ 602 40

Weight each 800 lbs.

✣F. O. B. Indiana Factory Only.



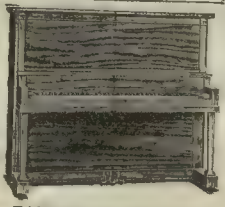
Height 55 inches; width 64 inches; depth 28 inches.

	Each
No. 49-M—Mahogany	✣$1204 95
No. 49-W—Walnut	✣ 1204 95
No. 49-O—Oak	✣ 1204 95

Weight each 850 lbs.

THE prestage of the Playwell Pianos holds the world over as the inevitable result of the determined policy and standard to produce the very best in piano construction. The Playwell Piano embodies every quality that means lasting service and satisfaction—the natural result of years of fine piano building.

The tone is rich, pure and musically perfect. Every case is artistically proportioned, beautifully finished, staunchly built and mechanically correct. As either a Straight Piano or Player they are musical masterpieces. Guaranteed and backed by an organization of over half century's musical experience.



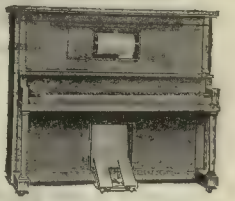
Height 55 inches; width 63½ inches; depth 27½ inches. Mahogany veneered.

	Each
No. 94-M—Mahogany	✣$522 15

Weight each 800 lbs.

✣F. O. B. Indiana Factory Only.

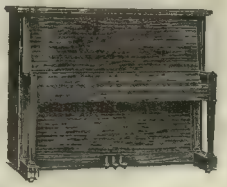
Players are equipped with automatic tracking and sustaining devices; silent tread forward; nickel hardware; lever expression control pedal door; double slide upper panels.



Height 55 inches; width 64 inches; depth 26 inches.

	Each
No. G-M—Mahogany	✣$916 20
No. G-W—Walnut	✣ 923 70
No. G-O—Oak	✣ 916 20

Weight each 850 lbs.



Height 44½ inches; width 56½ inches; depth 24 inches.

	Each
No. D-M—Mahogany	✣$610 50
No. D-W—Walnut	✣ 633 15
No. D-O—Oak	✣ 610 50

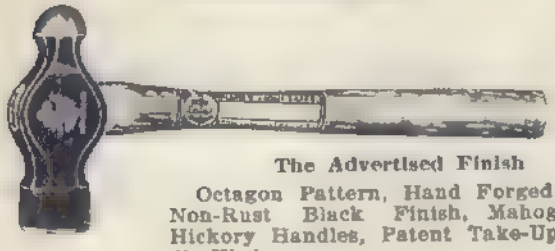
Weight each 750 lbs.

NOTE—Mandolin Attachment for both Pianos and Player Pianos can be furnished $5 00 net each.

✣F. O. B. Indiana Factory Only.

MACHINISTS HAMMERS

PLUMB BALL PEIN



The Advertised Finish

Octagon Pattern, Hand Forged Steel, Non-Rust Black Finish, Mahoganized Hickory Handles, Patent Take-Up Handle Wedges.

Nos.	HF370	HF371	HF372	HF373	HF374
Size	0000	000	00	0	1
Weight Each	6 oz.	8 oz.	12 oz.	1 lb.	1 lb. 4 oz.
Wt. Dozen, Lbs.	7½	9	12½	17½	20
Per Dozen	$14 00	14.00	14.00	14.70	15.80

Nos.	HF375	HF376	HF377	HF379
Size	2	3	4	6
Weight Each	1 lb. 8 oz.	1 lb. 12 oz.	2 lb.	2 lb. 8 oz.
Weight Dozen, Lbs.	24	26¾	31	37
Per Dozen	$17.00	18.20	19.40	22 30

One-third Dozen in a Box.

MAYDOLE BALL PEIN

Octagon Pattern

Solid Crucible Cast Steel, Polished Face, Sides and Pein, White Hickory Handle.

Nos.	122	123	124	125
Weight Each	1 lb. 14 oz.	1 lb. 8 oz.	1 lb. 4 oz.	1 lb.
Wt. Dozen, Lbs.	36	31	26	22
Per Dozen	$23 25	21 00	19 50	18 00

Nos.	126	127	128	128½
Weight Each	13 oz.	10 oz.	7 oz.	5 oz.
Wt. Dozen, Lbs.	18	13½	10½	9
Per Dozen	$16.50	15.25	14 25	13.50

Nos.	129	129½	129¾
Weight Each	3 oz.	2 oz.	1 oz.
Weight Dozen, Lbs.	6	4½	3
Per Dozen	$13.00	13.00	13.00

One-third Dozen in a Box

HELLER RUBBERI BALL PEIN

Octagon Pattern, Shock-Proof

Hand Forged Steel, Polished, White Hickory Handle with Rubber Cushion Around the Eye Which Absorbs Shock and Prevents the Handle from Loosening.

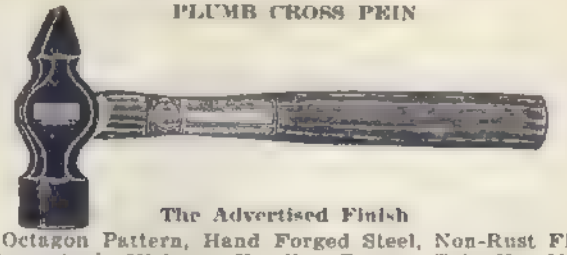
Nos.	800	801	802	803	804
Size	000	00	0	1	2
Weight Each	8 oz.	12 oz.	16 oz.	1 lb. 4 oz	1 lb. 8 oz
Wt. Dozen, Lbs.	9	12½	17½	20	24
Per Dozen	$14.00	14.00	14.70	15.80	17 00

Nos.	805	806	807	808
Size	3	4	5	6
Weight Each	1 lb. 12 oz.	2 lbs.	2 lb. 4 oz.	2 lb 8 oz
Wt. Doz., Lbs.	26½	31	33½	37
Per Dozen	$18.20	19.45	21.00	22 30

One-half Dozen in a Box.

MACHINISTS HAMMERS

PLUMB CROSS PEIN



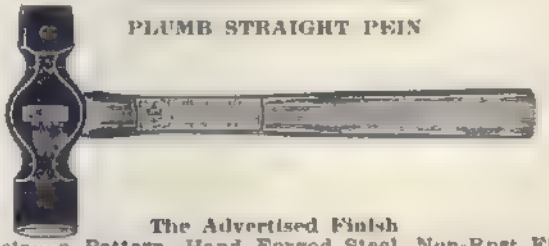
The Advertised Finish

Octagon Pattern, Hand Forged Steel, Non-Rust Finish, Mahoganized Hickory Handle, Patent Take-Up Handle Wedge.

Nos.	HF415	HF417
Size	2	4
Weight Each	1 lb 8 oz	2 lbs
Weight Dozen, Lbs.	24	30
Per Dozen	$19.40	22 40

One-third Dozen in a Box

PLUMB STRAIGHT PEIN



The Advertised Finish

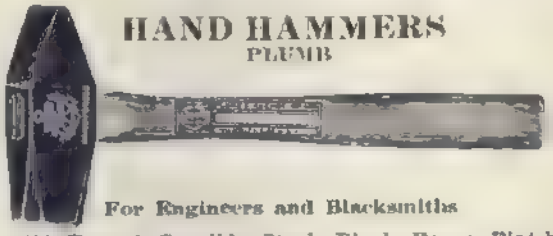
Octagon Pattern, Hand Forged Steel, Non-Rust Finish, Mahoganized Hickory Handle, Patent Take-Up Handle Wedge.

Nos.	HF395	HF397
Size	2	4
Weight Each	1 lb. 8 oz.	2 lbs.
Weight Dozen, Lbs.	24	30
Per Dozen	$19.45	22.40

One-third Dozen in a Box.

HAND HAMMERS

PLUMB



For Engineers and Blacksmiths

Solid Forged Crucible Steel, Black Forge Finish, Mahoganized Hickory Handles, Patent Take-Up Handle Wedge.

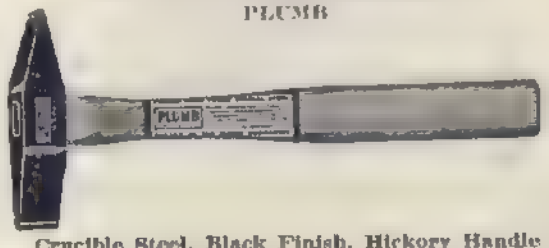
Nos.	HF280	HF281	HF282
Size	0	1	2
Weight Each	1 lb 10 oz	2 lbs	2 lbs. 10 oz
Weight Dozen, Lbs.	25	30	36
Per Dozen	$18 25	19 65	21 00

Nos.	HF283	HF284
Size	3	4
Weight Each	3 lbs	4 lb 8 oz
Weight Dozen, Lbs	42	62
Per Dozen	$22 40	23 75

One-third Dozen in a Box.

SCALING HAMMERS

PLUMB



Crucible Steel, Black Finish, Hickory Handle

Per Dozen

No. 3095—Size 1, Weight Each 1 Lb., Weight Per Dozen 16 Lbs. $12.00

One-half Dozen in a Box.

Note—Weights Each Do Not Include Handles.

RIVETING HAMMERS

PLUMB

The Advertised Finish

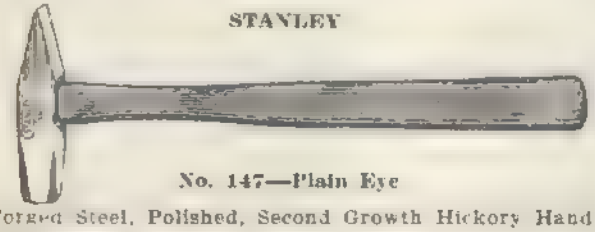
Plain Eye. Hand Forged Steel, Non-Rust Black Finish, Mahoganized Hickory Handle, Patent Take-Up Handle Wedge.

Nos.	HF250	HF251	HF252
Size	0	1	2
Weight Each	4 oz.	7 oz.	9 oz.
Weight Dozen, Lbs.	6½	7½	10
Per Dozen	$13.50	14.15	14.75

Nos.	HF253	HF254	HF255
Size	3	4	5
Weight Each	12 oz.	15 oz.	1 lb. 2 oz.
Weight Dozen, Lbs.	13½	15½	17
Per Dozen	$15.85	16 00	17.20

One-half Dozen in a Box.

STANLEY



No. 147—Plain Eye

Forged Steel, Polished, Second Growth Hickory Handle

Size	0	1	2	3	4	5
Wt. Each, Oz.	4	7	9	12	14	18
Wt. Doz., Lbs.	5	8	9	12	15½	18½
Per Dozen	$13.50	14.15	14.75	15.35	16 00	17 20

One-third Dozen in a Box.

MAYDOLE

Plain Eye

Solid Crucible Cast Steel, Full Polished, Selected Hickory Handle

Nos.	40	41	42
Weight Each, Ozs.	24	18	13
Weight Per Dozen, Lbs.	25	20	15
Per Dozen	$20.00	18.00	16 75

Nos.	42½	43	44
Weight Each, Ozs.	10	7	4
Weight Per Dozen, Lbs.	11½	9½	7
Per Dozen	$14.50	13.75	12 75

One-half Dozen in a Box

MAYDOLE LIGHT PATTERN

Plain Eye

Solid Crucible Cast Steel, Full Polished, Selected Hickory Handle

Nos.	265	266	267	268
Weight Each	6 oz.	4 oz.	3 oz.	2 oz.
Weight Per Dozen, Lbs.	8½	6½	4½	3½
Per Dozen	$14.50	13.50	13 00	12.60

One-half Dozen in Box

FARRIERS HAMMERS

HELLER DRIVING

No. 64—Octagon Pattern, Adze Eye

Special Refined Crucible Tool Steel, Polished, Hickory Handle.

Weight Each with Handle, Oz.	16
Weight Per Dozen, Lbs.	19
Per Dozen	$30 00

One-half Dozen in Box

No. 65—Heller Pattern, Adze Eye

Special Refined Crucible Tool Steel, Polished, Hickory Handle.

Weight Each with Handle, Oz.	16
Weight Per Dozen, Lbs.	19
Per Dozen	$30 00

One-half Dozen in Box.

HELLER ROUNDING

No. 61—Standard Pattern

Special Refined Crucible Tool Steel, Polished, Hickory Handle

Weight Each with Handle, Lbs.	2¼
Weight Per Dozen, Lbs.	38
Per Dozen	$50.50

One-quarter Dozen in a Box.

HELLER FITTING

No. 62—Standard Pattern

Special Refined Crucible Tool Steel, Polished, Hickory Handle.

Weight Each with Handle, Lbs.	2¼
Weight Per Dozen, Lbs.	38
Per Dozen	$48 00

One-quarter Dozen in a Box.

HELLER SHARPENING

No. 67—Standard Pattern

Special Refined Crucible Tool Steel, Polished, Hickory Handle

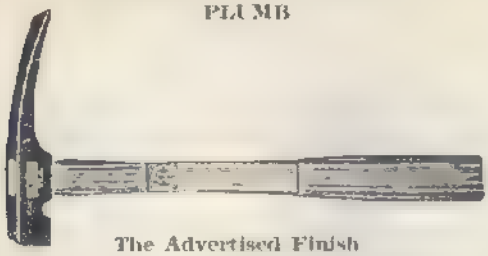
Weight Each with Handle, Lbs.	2¼
Weight Per Dozen, Lbs.	38
Per Dozen	$48 00

One-quarter Dozen in a Box

Note—Weights Each, Except When Noted Do Not Include Handles.

BRICK HAMMERS

PLUMB



The Advertised Finish

Plain Eye, Solid Forged Steel, Black Forge Finish, Mahoganized Hickory Handle, Patent Take-Up Handle Wedge.

No.	HF2580
Size	1
Weight Each, Lbs.	1½
Weight Per Dozen, Lbs.	26
Per Dozen	$17.50

One-half Dozen in a Box.

VLCHEK

No. 132—Adze Eye, with Handle

Drop Forged Tool Steel, Ebony Finish, Selected Hickory Handle, Perfectly Balanced, Spalling Face, Hard Center, Four Tough Sharp Edges.

Size	1	2	3
Weight Each, Lbs.	1¾	2	2½
Per Dozen	$18.50	19.00	20.00

This pattern was originated from suggestions from practical bricklayers.

One in a Box, with Handle.

BRICK SKETZ

VLCHEK

No. 136—Adze Eye, with Handle

Drop Forged Tool Steel, Ebony Finish, Selected Hickory Handle Perfectly Balanced, Tough Sharp Cutting Edges.

Size	1	2	3
Weight Each, Lbs.	1¾	2	2¼
Per Dozen	$18.50	19.00	20.00

These Hammers and Sketz have perfect adze eye. The handles will hold without wedges and are easily removed for redressing.

One in a Box, with Handle.

PAVERS HAMMERS

Adze Eye

Hand Forged Tool Steel, Natural Finish, with Handle.

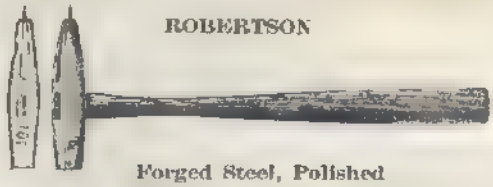
Per Dozen

No. 214—Weight Each 3 Lbs. $72.00

Open Stock.

MAGNET TACK HAMMERS

ROBERTSON



Forged Steel, Polished

Strong Permanent Magnet, Finished Hardwood Handle.

Per Dozen

No. 412—4 Oz. Head, 12 in. Handle $12.00
No. 812—8 Oz. Head, Nickel Plated, 12 in Handle 30 00

One Dozen in a Box

STANLEY MAGNETIC

Magnetized Iron Head, Polished, Hardwood Handle, with Claw

Per Dozen

No. 2—11½ in. Long, Head 4 in., Weight Per Dozen 4 Lbs. $2 50

One Dozen in a Box.

BILL POSTERS HAMMERS

ROBERTSON MAGNETIC

With Card and Tack Holder

Nickel Plated Hammer Head and Handle Trimmings, with Springs for Holding Card to Set First Tack.

Nos.	502	503
Length Handle, Inches	36	45
Number of Sections	2	3
Weight of Head, Oz.	5	5
Each	$3 50	4.50

Two in a Box.

TACK HAMMERS

With Claw

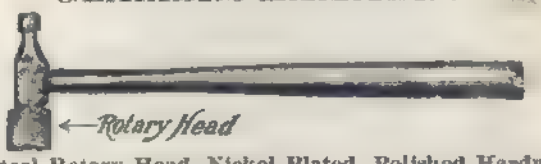
Cast Iron, Polished, Hardwood Handle

Per Dozen

No. 1—6 Oz., Weight Per Dozen 5 Lbs. $1.50

One Dozen in a Box.

GLAZIERS HAMMERS



Tool Steel Rotary Head, Nickel Plated, Polished Hardwood Handle

Each

No. 99—10½ in. Long, Weight Each 6 Oz. $1.25

A hammer for glaziers and picture frame makers. With this tool glass can be set quicker and with more absolute security than by any other means.

Six in a Box.

UPHOLSTERERS HAMMERS

Heavy Pattern

Solid Forged Steel, Polished, Hardwood Handle.

Per Dozen

No. 121—Assorted ½, ⅝ and ¾ in. Faces, Weight Per Dozen 8 Lbs. $10.00

One-half Dozen in a Box.

No. 61—French Pattern

Solid Forged Steel, Polished, Rosewood Handle

Sizes	4	5
Diameter of Face, Inches	½	⅝
Length of Head, Inches	6¾	7
Weight Each, Oz.	15½	16
Per Dozen	$27.00	36.00

One-half Dozen in a Box

SHOE HAMMERS

HAMMOND

Oval Face

Forged Steel, Polished, with Tool Steel Face, Selected Hickory Handle.

Nos.	323	324
Sizes	0	1
Weight Each, without Handle, Oz.	11	13
Per Dozen	$10.00	10 50

One-half Dozen in a Box

CAST IRON

For Home Work

Cast Iron, Japanned, Polished Face.

Per Dozen

No. 4—Weight Per Dozen 12 Lbs. $4.00

One-half Dozen in a Box.

SLATERS HAMMERS

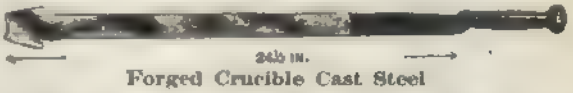
With Leather Handle

One-piece Drop Forged Steel, with Punch Point, Hammer End and Center Claw Tempered to withstand heavy work.

Each

No. 12—9 in. Head to Point, 12 in. from Head to End of Handle, Weight Each 2¾ Lbs. $6 70

SLATERS RIPPERS



Forged Crucible Cast Steel

The Blade is drawn very Thin and Hook End Correctly Tempered for hard wear.

Each

No. 24—Blade 24½ in. Long, Weight Each 2½ Lbs. $4 20

SLATERS STAKES

Forged from Fine Tool Steel, Hardened and Ground

Each

No. 18—18 in. Long, Weight Each 2¼ Lbs. $2 50

BUMPING HAMMERS

FAIRMOUNT

For Sheet Metal Work

For Reshaping and Straightening Automobile Fenders. Drop Forged Tool Steel, Black Finish, Polished Faces. Selected Hickory Handle.

Each

No. 160G—Weight 10 Oz., Length Head 4 in., Diameter Face 1¼ in. $1 25

DOLLY BLOCKS

FAIRMOUNT

No 1059.

No. 1068.

Ground and Full Polished

Use as a Seaming Block for irregular sheet metal products, and for reshaping and straightening Automobile Fenders.

Nos.	1059	1068
Length, Inches	2⅝	4⅝
Width, Inches	3⅛	2¾
Thickness, Inches	1⅛	1⅛
Weight Each, Lbs.	2½	2½
Each	$1.50	1 50

AXES

DREADNAUGHT SINGLE BIT, UNHANDLED

Dayton Pattern

Forged Steel, Warranted, Black Rustless Finish.

Per Dozen

No. 10—Assorted Weights 3½ to 4½ Lbs **$26.00**

These axes are forged from one solid piece of steel The bit remains hard after repeated grinding. The head is hardened to a spring temper.

One Dozen in a Box.

AUTOGRAF SINGLE BIT, HANDLED

Dayton Pattern

Forged Steel, Warranted, Black Rustless Finish, Deep Etched, Gold Filled Selected Hickory Handles.

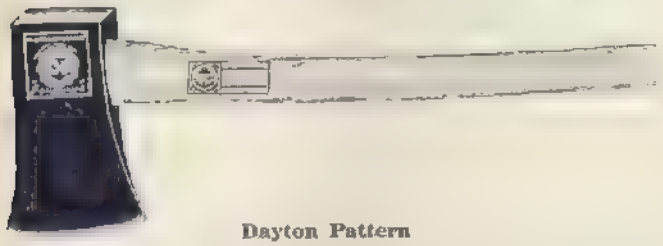
Per Dozen

No. 20—Assorted Weights 3½ to 4½ Lbs., with 36 in Handles **$39.00**

No. 21 Assorted Weights 4 to 5 Lbs , with 36 in. Handles **42.00**

One-half Dozen in a Crate

DREADNAUGHT SINGLE BIT, HANDLED



Dayton Pattern

Forged Steel, Warranted, Black Rustless Finish, Mahoganized Selected Hickory Handles.

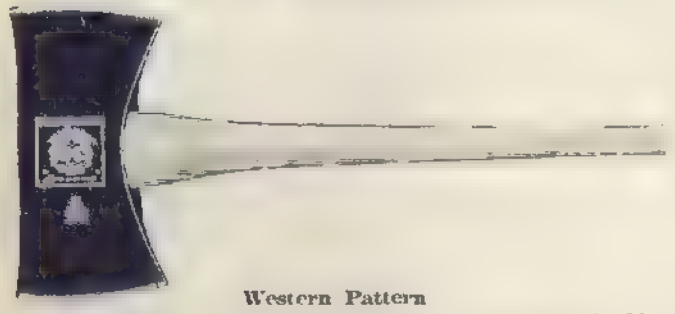
Per Dozen

No. 30—Assorted Weights 3½ to 4½ Lbs., with 36 in. Handles **$34.00**

No. 31 Assorted Weights 4 to 5 Lbs , with 36 in. Handles **37.00**

One-half Dozen in a Crate.

DREADNAUGHT DOUBLE BIT, HANDLED



Western Pattern

Forged Steel, Warranted, Black Rustless Finish, Mahoganized Selected Hickory Handles.

Per Dozen

No. 70—Assorted Weights 3½ to 4½ Lbs., with 36 in Handles **$42.00**

No. 71—Assorted Weights 4 to 5 Lbs., with 36 in. Handles **45 00**

One-half Dozen in a Crate.

DREADNAUGHT DOUBLE BIT UNHANDLED

Western Pattern

Forged Steel, Warranted, Black Rustless Finish.

Per Dozen

No. 60—Assorted Weights 3½ to 4½ Lbs. **$34.00**

These axes are forged from one solid piece of steel. The bit remains hard after repeated grinding. The head is hardened to a special temper.

One Dozen in a Box.

MAGIC CITY MINERS

Dayton Pattern

Forged Steel, Blue Finish, Polished Bit, Standard Hickory Handles.

Per Dozen

No. 48—Assorted Weights 3½ to 4½ Lbs , with 36 in. Straight Handles **$25.50**

One-half Dozen in a Crate

KELLY RAFTING

Flint Edge Brand

Hardened Poll, Hand Tempered, Chemical Black Finish, Cutting Edge Honed.

Per Dozen

No. 80—5 Lb., without Handle **$38 50**

One Dozen in a Box

KELLY FIREMENS

Hardened Pick Point

Hand Tempered Polished Blade, Poll Painted Red, Hickory Handle Painted Red.

Per Dozen

No. 129—Assorted 4 to 5 Lbs., 36 in. Handles **$50.00**

One-half Dozen in a Crate.

Note—Weights of Handled Axes Do Not Include Handles.

BOYS HANDLED AXES

Standard Pattern

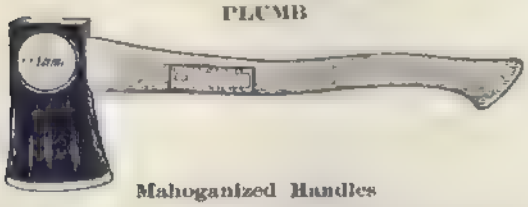
Forged Steel, Blue Finish, Polished Bit, Regular Hickory Handles. Per Dozen

No. 2—Weight Each 2¼ Lbs., 28 in. Handle. Wt. Per Dozen 42 Lbs. $18.00

One-half Dozen in a Crate.

HOUSE AXES

PLUMB



Mahoganized Handles

Hand Forged from One-Piece Special Analysis Steel, Armor Plate Heat Treated, Fine Keen Cutting Edge, Non-Rust Dull Black Finish. Per Dozen

No. HF665—2¼ Lbs., Handled with 19 in. Hickory Handles $19.50

One-half Dozen in a Box

BOY SCOUT AXES

PLUMB

The Official Axe of the Boy Scouts Per Dozen

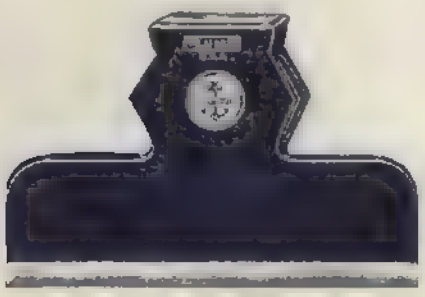
No. 680—Boy Scout, Special Axe Steel, Hand Forged, Non-Rusting Finish with Nail Slot. Axe Pattern Hickory Handle, Weight with Handle, 1 Lb. 10 Oz., the Handiest Tool in a Woodman's Kit, without Sheath $18.00

No. 682—Same as No. 680, but with Heavy Russet Leather Sheath 23.00

One-half Dozen in a Box.

BROAD AXES

PLUMB



Pennsylvania Pattern

Forged Steel, Non-Rusting Finish Per Dozen

No. 692—12 in. Blade, Weight Each 7 Lbs..... $65.00

One-half Dozen in a Case

CARPENTERS ADZES

PLUMB

Half Head

Made of One Piece of Special Analysis Steel, Subjected to the Armor Plate Heat Treatment, making a Keen Fine Edge, Hard yet Tough.

Each

No. 740—4 in. Cut, Average Weight Each 4 Lbs..... $3 00

Twelve in a Box

RAILROAD ADZES

PLUMB

Full Head

Made of One Piece of Special Analysis Steel Subjected to the Armor Plate Heat Treatment, Making a Keen Fine Edge, Hard yet Tough.

Each

No. 770—5 in. Cut, Weight Each 5 Lbs. $3.00

These adzes being made of one piece of steel can be reground until practically worn out.

Twelve in a Box.

SHIP CARPENTERS ADZES

PLUMB

Spur Head

Hand Forged, Black Non-Rusting Finish, Made of One Piece of Special Analysis Steel, Subjected to the Armor Plate Heat Treatment Making a Keen Fine Edge, Hard Yet Tough.

Each

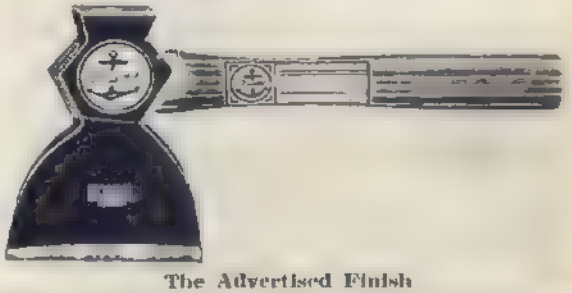
No. 780—Assorted 4 and 4½ in Width of Blade.. ..... $3 50

These adzes are made true to pattern, absolutely uniform, with perfect eye, head and bit

Twelve in a Box

BROAD HATCHETS

PLUMB BROAD



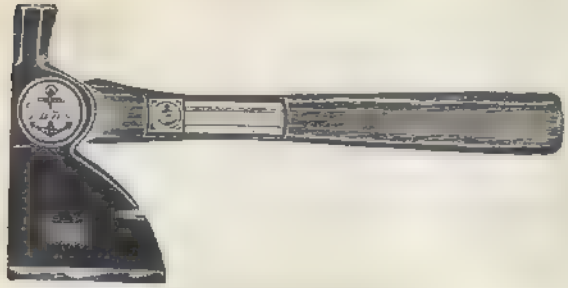
The Advertised Finish

Special Analysis Forged Steel, Black Finish, Mahoganized Hickory Handle, Patent Take-Up Handle Wedge.

Nos.	2901	2902	2903	2904	2905
Size	1	2	3	4	5
Cut, Inches	4	4½	5	5½	6
Weight Each, Lbs.	1⅛	1⅜	2⅛	2½	2⅞
Wt. Dozen, Lbs.	27	33	40	42	44
Per Dozen	$22.00	25 20	28 40	31.60	34.80

One-half Dozen in a Box

HATCHETS
PLUMB HALF



The Advertised Finish

Hand Forged Steel, Rustless Black Finish, Mahoganized Hickory Handle, Patent Take-up Handle Wedge.

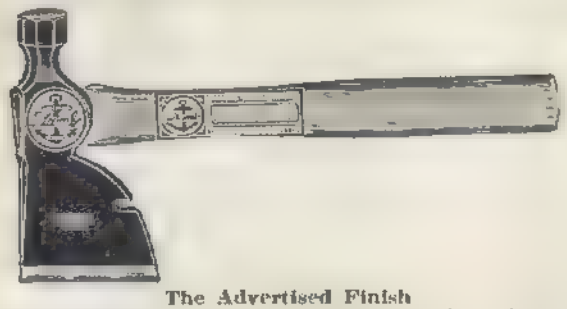
Nos.	2961	2962	2963
Size	1	2	3
Bit, Inches	3¼	3⅝	4
Weight Each	15 oz.	1 lb. 5 oz.	1 lb. 11 oz.
Weight Dozen, Lbs.	16	20	24
Per Dozen	$19.00	20.00	22.00

With Checkered Heads

Nos.	CH2961	CH2962
Size	1	2
Per Dozen	$20.00	21.00

One-half Dozen in a Box.

PLUMB OCTAGON POLL HALF



The Advertised Finish

Hand Forged Steel, Rustless Black Finish, Mahoganized Hickory Handle, Patent Take-up Handle Wedge.

No.	HF2201
Size	2
Bit, Inches	3⅝
Weight, Each	1 lb. 6 oz.
Weight Dozen, Lbs.	21
Per Dozen	$24 00

One-half Dozen in a Box

PLUMB THIN BLADE HALF

The Advertised Finish

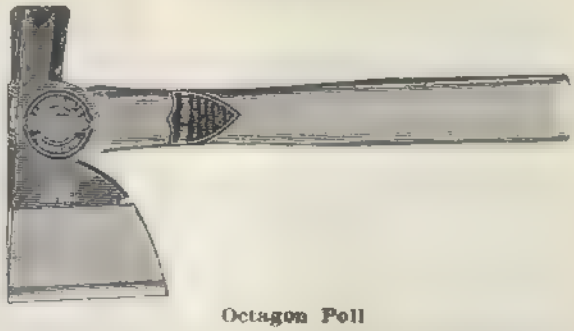
Hand Forged Steel, Rustless Black Finish, Mahoganized Hickory Handle, Patent Take-up Handle Wedge

Nos.	HF530	HF531
Size	1	2
Bit, Inches	3¼	3⅝
Weight, Each	14 oz.	1 lb. 2 oz
Weight Dozen, Lbs.	15½	18
Per Dozen	$28 40	29.40

Light in weight and well balanced. Thin blade for fast cutting, large full face for driving. Special heat treatment toughens the blade beneath eye.

One-half Dozen in a Box.

HATCHETS
HAMMOND HALF



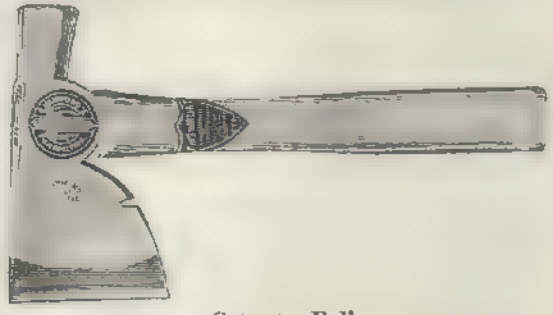
Octagon Poll

Swedish Iron Body, Tool Steel Head and Inserted Tool Steel Bit, Copper Bronzed Finish, Polished Bit and Face, Selected Hickory Handle.

Nos.	30	31	32	33
Size	1	2	3	4
Bit, Inches	3¼	3½	3¾	4
Weight Each	1 lb. 4 oz.	1 lb. 8 oz.	1 lb. 12 oz.	2 lbs.
Weight Dozen, Lbs.	16	20	24	28
Per Dozen	$17.00	18.00	19.00	21.00

One-half Dozen in a Box

HAMMOND FULL POLISHED HALF



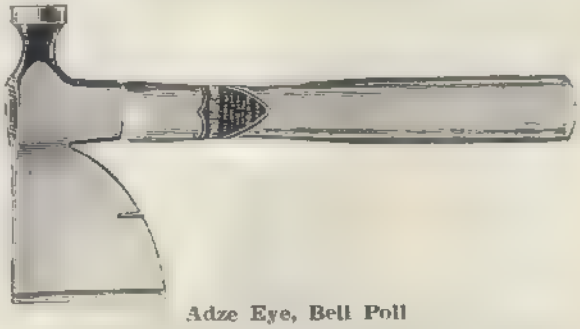
Octagon Poll

Swedish Iron Body, Tool Steel Head and Inserted Tool Steel Bit, Full Polished, Selected Hickory Handle.

Nos.	40	41
Size	1	2
Bit, Inches	3¼	3½
Weight Each	1 lb 4 oz	1 lb 8 oz.
Weight Dozen, Lbs.	16	20
Per Dozen	$22.00	23 00

One-half Dozen in a Box

HAMMOND THIN BLADE



Adze Eye, Bell Poll

Solid Crucible Steel, Full Polished, Extra White Hickory Handle.

No.	46
Size	2
Bit, Inches	3
Weight Each	1 lb. 4 oz.
Weight Dozen, Lbs.	16
Per Dozen	$28 00

One-half Dozen in a Box

Note—Weights Each Do Not Include Handles.

FRANKLIN FILES

CAREFULLY Forged from Special Steel that, When made Extremely Hard as is Necessary for Files, is Still Tough and Strong. Fast Cutting — Long Wearing. Free from Flaws, Accurate and Uniform as to High Quality and Workmanship. Shape and Angles of Teeth made to give a Sharp, Keen Cutting Edge. Carefully Inspected.

STANDARD LIST

Teeth	Mill			Mill Hand	Teeth	Tapers	Slim Tapers	Extra Slim Tapers	Double Ex. Slim Tapers	Teeth	Half Rd. Wood Rasps
	Bast.	2d Cut	Smooth	2d Cut		Set Cut					Bast.
3					3	2 60					
4	3 90	3.80			3½	2.10	2.10			6	
5	3.20				4	2.20	2.20	2.20	2.20	8	16.10
6	3.50	4.00			4½	2.40	2.50	2.30	2.30	10	13.70
7					5	2.50	2.80	2.50	2.50	12	15.70
8	4.40	4.90	5.40	5.50	5½	3.00	2.90	2.60	2.60	14	24.60
9	4.90				6	3.40	3.10	3.10	3.10	16	
10	5.50	6.40	7.00	7.20	7	4.20	3.50	3.30	3.30		
12	7.50	8.50	9.40	9.70	8	5.40	4.80	4.50	4.50		
14	10.70		13.10		10	8.10	6.40				
16	14.70				12						

In.	Flat		Square	Half Round		Round	In.	Warding	In.	Double Ender	Cant Saw	In.	Cross Cut
	Bast.	Smooth	Bast	Bast.	Smooth	Bast		Rasp.					
4	3.70		3.50	4.50	5.40	3.00	4	3.00	4			5	
5						3.80	5	4.50	5			7	
6	4.30	5.30	4.60	6.10	7.40	5.50	6	4.90	6		5.40	8	7.50
7							8		7	3.50		9	
8	5.30	6.60	5.50	7.50	9.00	4.30	10		8	4.00	6.40	10	9.10
9						4.90			10	4.90		12	
10	7.00	8.70	7.40	9.10	10.70	5.90			12		8.70		
12	9.20	12.10	10.20	11.80	13.90	7.50							
14	13.30	16.70	13.90	15.50	18.30	13.70							
16	17.50					14.70							
18													
20													

FRANKLIN WEED PATTERN FILE

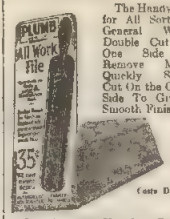
Regular Franklin Quality, Blunt Pattern, Three Sides.

Nos.	Lgth. Ins.	Per Dozen
8W	8	
5½W	5½	
6W	6	

One dozen in a box

Plumb All-work Files

Assortment No. 560



The Handy File for All Sorts of General Work Double Cut On One Side to Remove Metal Quickly Single Cut On the Other Side To Give a Smooth Finish

Complete with Sheath to Protect the Teeth. For Sharpening All Edge Tools, Axes, Hatchets, etc Also Sharpens Lawn Mower Knives Scythes, hoes, spades, kitchen Knives, etc.

For Farmer, Automobilist or Householder. Contents:

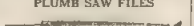
2 Dozen All Work Files.

They Retail for Each, and With the Above Assortment This Handsome Display Case is Given Free.

Open Stock of These Files as Follows:

	Per Dozen
No. 100—7-Inch File 10-Inch Including Handle	
One dozen in a box	

PLUMB SAW FILES



Made of Special Analysis Steel, Accurately Cut, Scientifically Tempered Carefully Tested. The Following Three Sizes Meet Every Need for Saw Files

	Per Dozen
No. 55—Size 6 x ⅜ inch. For 10 to 12 Point Saws	
No. 70—Size 7x⅛ Inch. For 8 to 10 Point Saws	
No. 80—Size 8x⅛ Inch. For 4 to 7 Point Saw	

Half Round Shoe Rasps

For Shoemakers' General Use. Size, 8 Inches Long.

No. C8½ . . Per Dozen

One dozen in a box.

Plumb Saw Files

Assortment No. 1166

Three Plumb Files Will Take Care of Your Saw File Business. They Will Do the Work of All Taper Files Made. The Assortment of Six Dozen

Contents:

1 Dozen Files 8 x ⅛ Inches for 4 to 7 Point Saws

2 Dozen Files 5½ x ⅛ Inches for 10 to 12 Point Saws.

3 Dozen Files 7 x ⅛ Inches for 6 to 10 Point Saws

AUGER BIT FILES

Made of Tempered Crucible Steel to Fit all Sizes of Auger Bits without Cutting Away Lip and Screw. One Flat Side on Edges, Other Semi on Sides Only.

Per Card of 1 Doz.

No. 10

One Dozen on Easel Back Display Card.

Weight Per Dozen ½ Lbs.

FILE CARDS

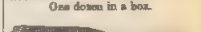
Hardwood Back and Handle, Natural Finish. Steel Wire Brush Attached to Thick Canvas Face. Size of Face, 6 x 1¾ Inches

	Per Dozen
No. 150—Wire	

Plain. Hardwood Handle and Back.

No. 15. . . Per Dozen.

One dozen in a box.



Ideal

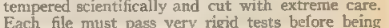
Varnished Wood Back and Handle 2 Ins. Wide and 9 Ins. Long. Card is 3-5 x 4¼ Ins. Brush Consists of All Roots Mixed Fibre, 2 Rows Wide and 11 Rows Long.

Per Dozen

No. 125

One dozen in a box.

Franklin Special Saw Files



Franklin Saw Files are made of special analysis steel, tempered scientifically and cut with extreme care. Each file must pass very rigid tests before being placed on the market. Absolutely uniformity is assured. Perfect Steel, careful grinding and cutting produce these files that fill every need.

The following sizes meet every demand

	Per Dozen
No. F1—5½ x ⅛ — For fine tooth saws. . .	
No. F2— 7 x ¼ — For 6 to 10 point saws . .	
No. F3— 8 x ⅛ — For 4 to 7 point saws.	

POPULAR PRICED WATCHES

"UNCLE SAM" WATCH

We sell thousands and thousands every year; they always give satisfaction!

J9653—"Uncle Sam," 16 size, nickel plate, unbreakable crystal, open face, snap on case, guaranteed 1 year, in box. Each **72**

"TIP-TOP" WATCHES

"Tip-Top" Dependable nickeled octagon shape metal case, nickel finish, open face, polished bezel. In box.

J7256—Black dial, luminous hands and numerals. Each **$1.48**

J7255—White dial. Each **$1.00**

"INGERSOLL" WATCHES

Open face, nickel finish or solid nickel case. Each in individual box

J7233 "Yankee," 16 size. Each **$1.02**

J7234 "Yankee Radiolite," 16 size. Each **$1.50**

J7236 "Midget," 6 size. Each **$2.17**

J7235 "Midget Radiolite," 6 size. Each **$2.50**

J7254 "Junior," 1 size. Each **$2.17**

J7231 Eclipse Radiolite, 1 size. Each **$2.17**

J7249 Wrist watch case, leather strap. Each **$2.33**

J7238 "Radiolite" wrist watch case, leather strap. Each **$2.67**

J7234 "Waterbury," 12 size, solid nickel case, jewel balance, screw case. Each **$3.00**

J7235 Bellance, 1 size, solid nickel case, open or hinged bezel, screw or push case. Each **$4.00**

J7259 "Waterbury Radiolite," 12 size. Each **$3.67**

"DESPATCH" WATCH

14 size, polished nickeled case, hand carved effect bezel and back, screw and bow, white crystal, four adjusted American movement. In box.

J7300—White dial. Each **95c**
50 or more, Each **89c**

"VOGUE" WATCH

J7303 "Vogue," 16 size, bright silver polished color and silver enamel ornamental effect back and bezel, unique pendant unbreakable crystal. In box. Each **98c**

Tip-Top Wrist Watch, 6 size, octagon shape, silver polished case, metal dial, 1 in box.

J7257 Black dial, luminous hands and numerals. Each **$2.62**

J7262 White dial. Each **$2.29**

"INGERSOLL" WATCH ASSORTMENT

Free Display Fixture

J7283—9 styles, each watch in box, complete with 15 x 20 ½ easel back wood frame display stand, assorted as follows

		Your Suggested Cost	Retail
4	only Yankee	$1.02	$1.50
1	" " Radiolite	1.50	2.25
1	" Eclipse	1.67	2.50
1	" Junior	2.17	3.25
1	" Midget	2.17	3.25
1	" Wrist Radiolite	2.67	4.00
1	" Waterbury	3.00	4.50
1	" Radiolite	3.67	5.50
1	" Bellance	4.00	6.00
	Your Profit $17.32	Retail $41.75	
	Assortment of 25 watches		**$24.93**

MEN'S ELGIN WATCHES

MEN'S 16 SIZE ELGIN WATCHES

Solid Nickel Silver Case. Thin model, solid polished, Elgin movement. Each

J68-7 — 7 jewel **$ 8.60**
J68 15—15 jewel **13.30**

Green Gold Filled Case. 10 yr. guaranteed engraved design, Elgin movement. Each

J68-7 — 7 jewel **$9.60**

Elgin 21 Jewel, 16 Size B. W. Raymond Railroad Watch

Elgin B. W. Raymond Railroad Watch, 16 size, 21 jewel, 5 adjustments, 5 positions, 25 year gold filled case, white enamel dial, gold hands, 3 adjustments of balance. Each

J64 21 jewel **$37.50**

MEN'S 12 SIZE ELGIN WATCHES

Elgin 7 Jewel 10 yr. quality case, solid engraved designs, silver dial.

J100 White gold filled case. Each **$10.80**

Elgin 7 Jewel 15 yr. quality case, solid engraved designs.

J50 Green gold case.

J106 White gold filled case. Each **$11.35**

Elgin 7 Jewel 15 yr. quality case, white dial, open face, 16 size.

J51 Gold filled case.

J107 White gold filled case. Each **$11.50**

10k Gold Filled Case. 20 yr. plain polished, open face.

		Each
J87-7	7 jewel	$12.15
J87-15	15 jewel	15.85
J87-17	17 jewel	18.00

10k White Gold Filled Case. 20 yr. quality, engraved case, open face, 12 size.

J80-15	15 jewel	$16.60
J80-17	17 jewel	18.70

10K Green Gold Filled Case. 20 yr. gold filled, engraved, 12 size, open face, 25 year gold case.

		Each
J79-15	15 jewel	$16.60
J79-17	17 jewel	18.70

14K White Gold Filled Case. 20 yr. quality, engraved, 12 size, open face, 25 year gold case.

		Each
J85-15	15 jewel	$19.80
J85-17	17 jewel	22.00

14k Solid White Gold Case. 12 size, open face, 25 year gold case, fancy dial.

		Each
J88-15	15 jewel	$26.10
J88-17	17 jewel	28.30

J59 68

ELGIN WATCHES IN DISPLAY CASES

Each in hinged cover velvet lined case

Elgin 15 Jewel, 12 size, screw back and bezel, embossed edge and bezel set, polish back, silvered dial, black hands and numerals.

J58 14k white gold filled case.
J68 14k green gold filled case. Each **$21.60**

Elgin "Streamline" 17 Jewel 12 size, embossed edge, satin finish, hinged back polished snap bezel, adjusted movement.

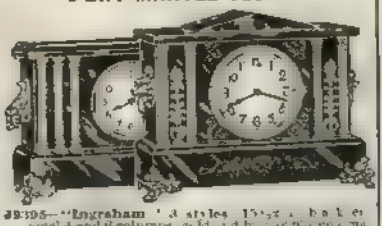
J67 14k white gold filled case.
J69 14k green gold filled case. Each **$29.50**

J67 62

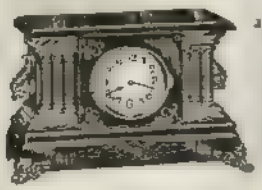
Catalogue buying is safe buying!

Butler Brothers makes its last price — first.

8-DAY MANTEL CLOCKS



J9395—"Ingraham" 3 styles, 15½x... brass enamel 4 and 6 columns, gold trimmed, ... dial with plain gold finish center, 8 day movement, half hour cathedral gong strike. Each in case 2 in crate 40 lbs. ... Each **$4.50**



J9398 — 17x8½x... brass and black enamel, green marbleized ... metal caps, ... movement, half hour cathedral gong strike. 1 in case 40 lbs. Each **$5.25**

"BANJO" WALL CLOCK

J9449—30 in. hand rubbed mahogany finish wood and ... shape, decorated ... case, door, 8-day ... pendulum, ... ornaments all over. In crate 1 lb. Each **$12.00**

"INGRAHAM" WALL CLOCKS
8-Day Movement
Dependable timekeepers

J1784 — "Ingraham" ... 8 day movement, 24½ in. high oak case, 12 in. dial. 1 in case. 18 lbs. Each **$5.50**

J1787 — "Ingraham," Western Union style, 8 day movement, ... oak case, 12 in. dial. 1 in case. 17 lbs. Each **$6.95**

DUTCH DESIGN KITCHEN CLOCK

STAR VALUE

J9452 ... wood ... dial ... 1 in box. Each **$2.95**

NOVELTY CLOCKS

All with 30 hour movements

For Desk or Boudoir

J9366—2 styles, 3¼x4 ivorith pearl, blue or white, pink or amber, each in box. 2 in pkg. Each **$1.50**

J9435—3 styles, 3¼x3¼ alabastine round "gothic" and square ... ivorine, orange, red and green tints, 2 in. silvered metal dial. 1 in box. Assd. 2 in pkg. Each **$1.95**

J9367—3¼x4 round swinging desk clock, ... finish ... box. Each **$1.65**

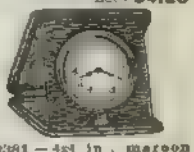
J9369—3¼x3½ metal case, crackled verde finish ... clock, ... beveled glass, silvered dial. 1 in box. Each **$2.25**

J9371—3¼x4¼ crackled verde enameled swinging clock, silvered dial, ... dial, ... candles. 1 in box. Each **$2.65**

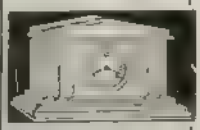
In Leather Cases—for Traveling

J9379—3½x3½ in. grained blue saffian leather case, ... silvered dial. 1 in box. Each **$2.95**

J9380—4x3½ in. grained pink saffian leather case, moire lined, ... dial, gilt dots, glass. 1 in box. Each **$4.25**



J9381—4x4 in., maroon grained leather padded folding hinged case, moire ... white dial, radium hands and figures. 1 in box. Each **$6.50**

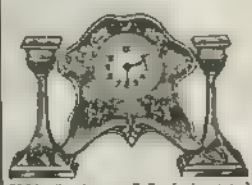


J9352—3 styles, 8x4½ ivorith with jade, coral ... colored colorings and trims, colonial designs. 1 in box. Assd. 3 in pkg. Each **$1.95**

J9370—"New Haven Gothic Alarm," brass ... gilt metal dial, back bell alarm. 1 in box. Each **$2.50**

J9361—8½x3¼, amber color, tambour style, ... 1 in box. Each **$3.25**

With Candlesticks To Match



J9228—3 pieces, 5x5 clock, royal blue finish, antique gold ... ivorine ... parts ... pcs. **$3.50**

J9241—3 pieces, 7x4x8¼ clock, ornate gold plated finish, ... beveled ... pr. 6 in. ... to match. 1 set in ... SET (3 pcs) **$5.00**

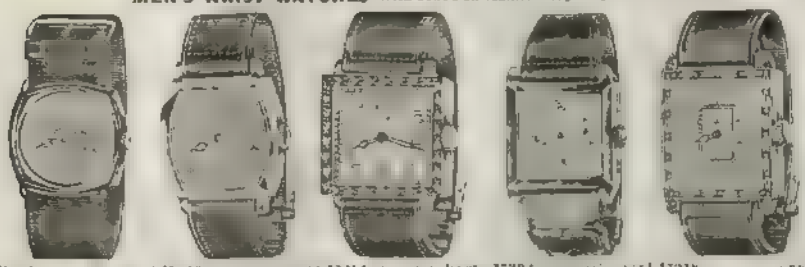
J9232—3 pieces, 8x5¼ clock, silver plated, satin finish panels, octagon silvered metal dial, 1 pr. 6 in. candlesticks to match. 1 set in box. SET (3 pcs) **$7.25**

GIFT GOODS

An interesting showing of gift goods for bridge prizes, birthday gifts, wedding and anniversary presents—in this book! Refer to index.

MEN'S AND WOMEN'S WRIST WATCHES

MEN'S WRIST WATCHES With sewed-on leather straps. 1 in box



J7207 ... Each **$4.95**

J7213 ... Each **$10.00**

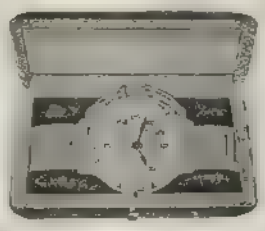
J7214 ... Each **$12.50**

J7220 ... **$15.00**

J7218 "Hinds" lever movement rectangular shape, green gold filled case curved back, antique engraved bezel, silvered dial, luminous hands and numerals. Each **$18.50**

WOMEN'S WRIST WATCHES IN GIFT BOXES

Each in hinged velvet lined gift box



White Gold Filled Case—10½ ligne, 10S oval shape, engraved sides and bezel, silvered dial, black numerals, black silk ribbon.

J7534—15 jewel lever movement. Each **$10.00**

WOMEN'S ELGIN WRIST WATCHES

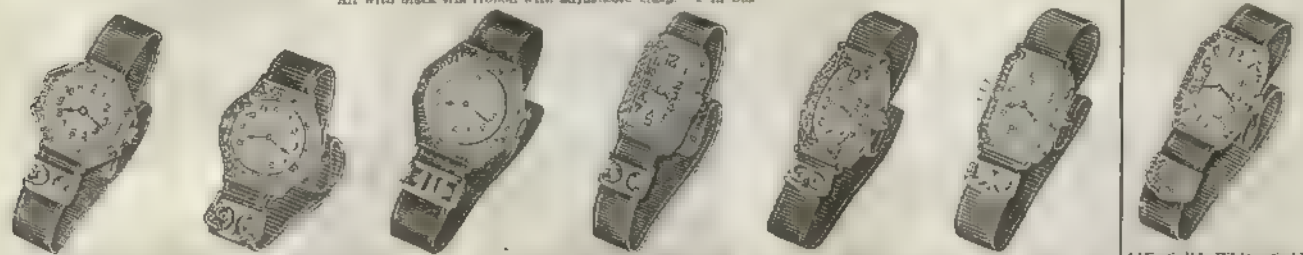
14k Solid White Gold Case ... ribbon. Each in box.

J7528—7 jewel. Each **$36.00**

J7529—15 jewel. Each **$40.00**

WOMEN'S WRIST WATCHES WITH HIGH GRADE IMPORTED MOVEMENTS

All with black silk ribbon with adjustable clasp. 1 in box



White Gold Filled Case, 10½ ligne, octagon shape, engraved, silvered dial.

J7500 ... Each **$4.95**

White Gold Filled Case—10½ ligne, tonneau shape engraved back and bezel, silvered dial

J7524 ... Each **$4.85**

White Gold Filled Case—10½ ligne, Maxim shape, embossed back, plain back, silvered dial.

J7517 ... **$5.95**

J7535 ... **$8.95**

6 Jewel Lever Movement, 6½ ligne rectangular shape, engraved back and bezel, silvered dial

J7502 White gold filled case ... **$6.50**

J7503 14k white solid gold case ... **$10.00**

15 Jewel Lever Movement, 6½ ligne, ... back and bezel, silvered dial, 4 ... numerals.

J7515 ... **$13.50**

J7516 14k white solid gold ... **$16.50**

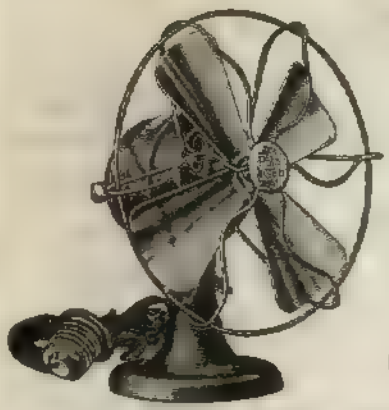
14k Solid White Gold Case—6½ ligne, rectangular shape, engraved sides and bezel ...

J7540 ... **$30.00**

14K Solid White Gold Case ... **$60** retail value.

J7393 ... Each **$45.00**

Polar Cub Electric Fans



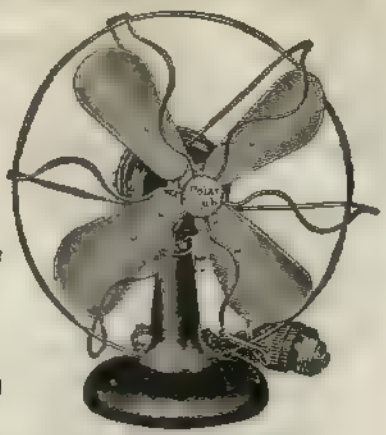
The Biggest Value in

Electric Fans

on the Market

Universal Motors. Operate on 110 Volts

60 Cycle A. C. or D. C.



Junior 6-Inch Electric Fan

Equipped with black twisted lamp cord and standard screw plug ready to operate. Motor casing, base and guard finished in rubber enamel black, electrically baked. Two part drawn steel motor shell with patented bronze bearings. Cast iron base, frosted brass finished blades.

Throws maximum breeze. Draws on an average of 22 to 25 watts, which means that this little motor spins along at an average cost of one penny for six long hours.

One speed. Height over all, 8 inches. Diameter of guard 6½ inches. Diameter of blade, 6 inches. Net weight, 2 lbs. 3 oz. Packed in corrugated container.

No. 7C9. Each..... 2.45
Each in lots of 12..... 2.35

Junior 8-Inch Electric Fan

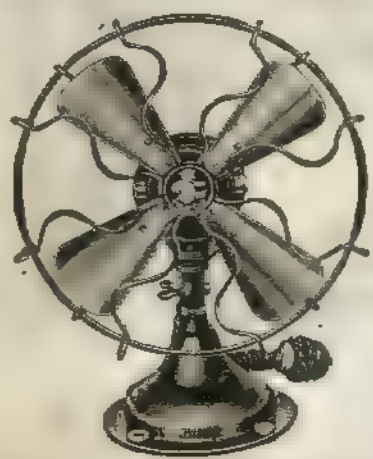
Built particularly for the large demand there is for an 8-inch size. This fan makes a splendid addition to any dealer's stock. It is a remarkable value at the price.

Has two part drawn steel motor shell with patented bronze bearings, cast iron base. Motor casing, base and guard finished in rubber enamel black, electrically baked. Blades frosted brass finish. Equipped with black twisted lamp cord and standard screw plug.

One speed. Height over all, 10 inches. Diameter of guard, 8½ inches. Diameter of blade, 8 inches. Net weight, 3 pounds. Packed in corrugated container.

No. 7C10. Each..... 3.80
Each, in lots of 12..... 3.65

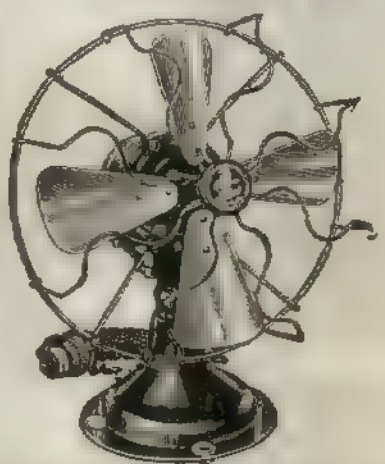
Senior 10-Inch Stationary Fan



Good, Sturdy Construction. Equipped with Universal motor, for alternating or direct current, 110 volts, 50 cycles. Standard cord and two-piece plug. Carbon brushes, bronze bearings, self-aligning drawn steel shell and base, which is attachable to wall. Black enamel finish, electrically baked. Polished brass blades, heavy wire guard; maximum speed draws average of only 25 watts. Height over all 13¼ inches, width over all 10⅛ inches. Each in corrugated carton. Weight 6 pounds.

No. 7C1. Each..... 4.50

Senior 10-Inch Oscillating Fan



An excellent value in the oscillating type Polar Cub. A practical fan that will give satisfactory service. Universal motor, bronze bearings, carbon brushes. Base attachable to wall. Black enamel finish, electrically baked. Polished brass blades, heavy wire guard, standard cord and two-piece plug. At maximum speed draws average of only 25 watts. Oscillator has diecast housing for oscillator movements. Automatic spring in oscillator against contact. Improved porcelain insulated speed control, two speeds and stop. Height over all 13¼ inches, width over all 10⅛ inches. Each in corrugated carton. Weight 7 pounds.

No. 7C8. Each..... 6.85

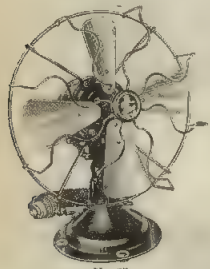
ELECTRIC FANS
POLAR CUB

Non-Oscillating, Four Blades, One Speed

Two-part steel motor shell, with patented bronze bearings. Cast iron base. Diameter of motor, 3½ inches, 110 volts, 60 cycle, A. C. or D. C. Universal motor. Reservoir oiling system. Motor casing, base and guard finished in black rubber enamel. Blades and trimmings, solid brass. Furnished complete with 7 ft. cord and Edison screw plug

No.	Diameter of Blades Inches	Guard Inches	Height Overall Inches	Weight Pounds	Each
6	6	6½	8	2⅝	$3.95
8	8	8½	10	3	4.50

One in a Carton



No. 65

Automatically self-aligning drawn steel shell with carbon brushes and bronze bearings. Base is attached to wall. Universal motor operates on 110 volts, 60 cycles A. C. or D. C. Motor Casing, base and guard finished in black enamel. Polished brass blades, heavy wire guard. Furnished complete with 7 feet standard cord and two piece plug

Non-Oscillating, Four Blades, One Speed

No.	Diameter of Blades Inches	Guard Inches	Height Overall Inches	Weight Pounds	Each
60	10	10½	13¾	6	$6.50

Oscillating, Four Blades, Two Speed

65	10	10½	13¾	7	$10.00

One in a Carton

ELECTRIC FAN HANGERS
LATROBE

Practical for hanging wall fans, electric clocks, radiant heaters, illuminating pictures, etc. Hangers make it possible to use any standard combination of outlet boxes, covers, receptacles and brass cover plates.

No. 700 For ½ inch conduit . Each, $0.75
No. 701 For ¾ inch conduit. . Each. 1.00

ELECTRIC FANS
ROBBINS & MEYERS

Non-Oscillating, Four Blades, Two Speeds

Frame and base are of cast iron; has rubber feet on base with steel cover over rheostat. Finished in baked black enamel, blades are of steel, black satin finish With Universal motor, will operate on 25, 30, 40, 50 and 60 cycle A.C. and D.C. Provided with hinge joint for tilting forward or backward. Furnished complete with 8 feet of cord and plug.

110 Volt, 60 Cycle Alternating, or 110 Volt, Direct Current

No.	Dia. of Blades Inches	Volts	Speeds R.P.M. A.C.	Speeds R.P.M. D.C.	Watts A.C.	Watts D.C.	Each
3504	8	110	1850	1950	35	35	$8.00

One in a Box; Ten in a Case

Non-Oscillating, Four Blades, Three Speeds

Drawn steel frame, felt covered base, equipped with rubber feet. With induction type motor, operates on 60 cycle A. C. 110 volt. Has hinge joint for tilting forward or backward and mounting in wall bracket position. Finished in baked black enamel relieved with gilt lines on motor and base; brass blades lacquered. Furnished complete with 8 feet of cord and plug

110 Volt, 60 Cycles, Alternating Current

No.	Dia. of Blades Inches	Volts	Speeds R.P.M. 1	2	3	High Speed Watts	Each
1312	10	110	1500	1300	1100	27	$15.00

One in a Box

Oscillating, Four Blades, Three Speeds

Drawn steel frame felt covered base. With induction type motor; operates on 60 cycles A. C. 110 volts. Has hinged joint for vertical adjustment and wall mounting. Finished in baked black enamel relieved with gilt lines on motor and base; steel blades, black satin finish. Furnished complete with 8 feet of cord and plug

110 Volt, 60 Cycles, Alternating Current

No.	Dia. of Blades Inches	Volts	Speeds R.P.M. 1	2	3	High Speed Watts	Each
4602	10	110	1500	1400	1250	33	$16.50

One in a Box

ELECTRIC FANS
ROBBINS & MEYERS

Oscillating, Four Blades, Three Speeds

Drawn steel frame, felt covered base. Equipped with four point, three speed switch. With induction type motor, operates on 60 cycles A. C. 110 volts. Has hinged joint for vertical adjustment and wall mounting. Highly finished in baked black enamel relieved with gilt lines on motor and base; brass blades lacquered. Furnished with 8 feet of cord and plug.

No.	Dia. of Blades Inches	Volts	Speeds R.P.M. 1	2	3	High Speed Watts	Each
4312	10	110	1500	1300	1100	28	$21.00

One in a Box

Oscillating, Four Blades, Three Speeds

Drawn steel frame; felt covered base. Equipped with four point, three speed switch. Induction type motor for 60 cycles A. C.; Series type for other circuits. Has hinged joint for vertical adjustment and wall mounting. Highly finished in baked black enamel relieved with gilt lines on motor and base brass blades, lacquered. Furnished with 8 feet of cord and plug.

110 Volt, 60 Cycles Alternating Current

No.	Dia. of Blades Inches	Volts	Speed R.P.M. 1	2	3	High Speed Watts	Each
1504	12	110	1450	1300	1050	44	$30.00

One in a Box

110 Volt Direct Current

No.	Dia. of Blades Inches	Volts	Speed R.P.M. 1	2	3	High Speed Watts	Each
1551	12	110	1550	1300	1100	41	$30.00

One in a Box

Oscillating, Four Blades, Three Speeds

Drawn steel frame, felt covered base. Equipped with four point, three speed switch. Induction type motor for 60 cycles A. C.; Series type for other circuits. Has hinged joint for vertical adjustment and wall mounting. Highly finished in baked black enamel relieved with gilt lines on motor and base, brass blades, lacquered . urnished with 8 feet of cord and plug

110 Volt, 60 Cycles Alternating Current

No.	Dia. of Blades Inches	Volts	Speeds R.P.M. 1	2	3	High Speed Watts	Each
3854C	16	110	1350	1150	1000	92	$35.00

110 Volt Direct Current

3951C	16	110	1350	1150	1000	64	$35.00

One in a Box

Outstanding Features By
WOOLNOUGH
The Foremost American Animal Manufacturer

Powder Puff Sunbonnet Girl

Powder Puff Bear Cub

Powder Puff French Gamin

POWDER PUFF NOVELTIES!

made by Woolnough are without a doubt the finest in detail and construction that are being offered for the approval of the trade.

Doll Novelties of powder puff plush all have embroidered facial features. The bodies and costumes comprise a riot of pleasing color combinations. This beautiful series is made up of Comical Clowns, Fairy Tale Bears, Sunbonnet Girls, Ballet Skirt Girls, Snow Girls, Snow Boys and Cute French Urchins

The New "Lonleggs" Series is receiving a wonderful response from the public. They have chubby bodies, long dangling legs and the family consists of Monkey, Teddy Bear, Rabbit, Dog, Cat, etc. Comes in 2 sizes.

Standing Animal Series of powder puff plush comprises cute elephants, pussy cats, bunnies and a beautiful series of cats with bushy, curving tail.

Full Jointed Teddy Bears, both regulation and chubby, are also offered in the powder puff series.

"TOWZER"

The most beautiful shaggy haired terrier that we have ever offered to the trade,—alert in expression—smart in appearance—his cocked ears always at attention—his eyes asking you, "What next?" Towzer has pure white breast and nose with shaded tan back, head and ears—made in 10 sizes of beautiful shaggy silk plush.

"MUGGS"

Younger brother of Towzer, a trifle modified in material and design to meet the popular demand. Comes in 6 sizes sitting and in 5 sizes standing. Standing can also be had on wheels.

Samples Submitted Upon Request

DAVIS & VOETSCH, INC.

Manufacturers' Representatives and Importers of Children's Vehicles, Dolls and Toys

242-250 FOURTH AVENUE NEW YORK

MACHINISTS VISES

PRENTISS

The Main Body of all Prentiss Vises are made from a mixture of gray iron and steel All parts fit accurately and work smoothly. They are absolutely guaranteed against defects in workmanship or material.

Stationary Base
Self Adjusting Jaw, Detachable Steel Faces

Nos.	1	2	2½	3
Width Jaws, Inches	2⅝	3½	4	4½
Jaws Open, Inches	3½	4¾	5¼	6
Weight Each, Lbs	13½	28	41	54
Each	$13 50	16 00	19 00	22 00

Nos.	4	5	6
Width Jaws, Inches	5¼	6	7
Jaws Open, Inches	8	9	10
Weight Each, Lbs	96	146	184
Each	$35 00	50 00	65 00

Patent Swivel Base
Self Adjusting Jaw, Detachable Steel Faces

Nos.	18	19	19½	20
Width Jaws, Inches	2⅝	3½	4	4½
Jaws Open, Inches	3½	4¾	5¼	6
Weight Each, Lbs	17	32	46	65
Each	$16.00	20.00	24.00	28 00

Nos.	21	22	23
Width Jaws, Inches	5¼	6	7
Jaws Open, Inches	8	9	11
Weight Each, Lbs	109	168	207
Each	$44 00	60.00	75 00

BULL DOG

These Vises are designed to provide greatest available strength and maximum convenience to the user. Great care is taken to insure accurate fitting and interchangeability.

Stationary Bottom
Solid Jaw Parallel, Detachable Steel Faces

Nos.	50	51	52	53
Width of Jaws, Inches	3⅛	3⅝	4⅛	4⅝
Jaws Open, Inches	4	5½	6	7
Weight Each, Lbs	22	28	42	52
Each	$10·00	11.25	12.75	15.50

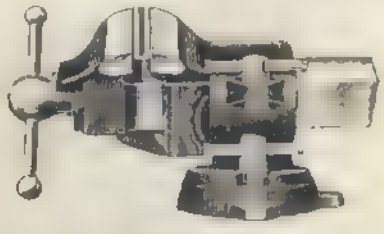
Nos.	54	55	56	57
Width of Jaws Inches	5	5½	6	7
Jaws Open, Inches	8	9	10	12
Weight Each, Lbs	72	100	137	210
Each	$20·00	30 00	39.00	55.00

Swivel Bottom
Solid Jaw Parallel, Detachable Steel Faces

Nos.	90	91	92	93
Width of Jaws, Inches	3⅛	3⅝	4⅛	4⅝
Jaws Open, Inches	4	5½	6	7
Weight Each, Lbs	28	36	52	64
Each	$13 00	15 00	17.00	20.00

Nos.	94	95	96	97
Width of Jaws Inches	5	5½	6	7
Jaws Open, Inches	8	9	10	12
Weight Each Lbs	85	115	155	235
Each	$30.00	38.00	52.00	70·00

PARKER'S SUPERIOR DOUBLE SWIVEL



Swivel Base

Parkco Metal, Solid Steel Slide Bar, Reinforced Slide, Set Screw and Spring Tension on Lever, Renewable Tempered Tool Steel Faces.

Nos.	129	439	449
Width Jaws, Inches	3½	4	4½
Jaws Open, Inches	3½	6	7½
Weight Each, Lbs	47	67	87
Each	$27 00	32.00	39.00

In this Vise the Swivels work independently of each other allowing the work to be placed in any position without removing the work from the jaws

PARKER'S OVAL SLIDE

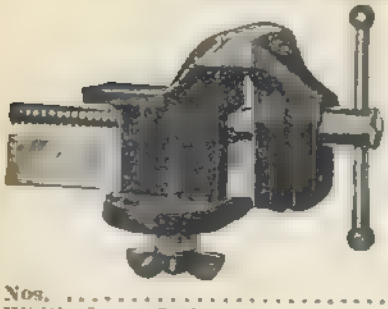
Stationary Base

High Grade Steel Faced Jaws Top Ridge of Slide Fits into a Groove in Back Jaw Preventing Side Play when Slide is Extended.

Nos.	030	30	31	32	34
Width Jaws, In	2	2½	3	3½	4
Jaws Open, In	2⅝	3	3½	4	4¼
Weight Each, Lbs	7½	8	13½	19½	29
Each	$2 90	3.40	4 00	5.00	7 00

VISES

SHEPARD MECHANICS



Stationary or Swivel Bottom

These vises can be used either stationary or as a swivel bottom. Each vise is equipped with central bolt. Nut and washer for fastening to bench. Also provided with bolt holes for permanently securing to bench

Nos.	162	163
Width Jaws, Inches	3½	4
Opening, Inches	4	6
Weight Each, Lbs.	16	30
Each	$5.25	$8.25

SHEPARD COMBINATION

For Garage or Home Use

Cold Rolled Steel Sliding Bar, Detachable Steel Jaw Faces, Dull Black Orange Trimmings, with Extra Jaws for Holding Pipe.

Each

No. 161½—3 in. Jaws, Opens 3¾ in., Weight Each 13 Lbs. $5 00

BLAKE COMBINATION

Swivel Bottom

Patent Detachable and Interchangeable Steel Jaw Faces, Reversible High Grade Steel Pipe Jaws, all Bright Parts Highly Polished

These Combination Pipe Vises are exceptionally heavy and made to stand heavy use.

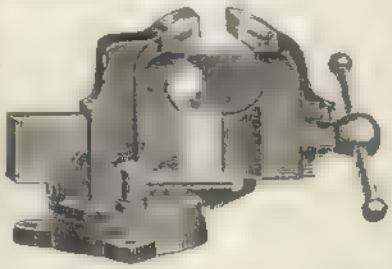
Nos.	180	180½	181
Width Jaws, In.	2½	3	3½
Holds Pipe, In.	⅛ to 1	⅛ to 1½	⅛ to 2½
Wt. Each, Lbs.	15	22	55
Each	$10.00	12.00	16.00
Nos.	182	182½	183
Width Jaws, In.	4½	5	6
Holds Pipe, In.	⅛ to 3	⅛ to 4	⅛ to 6
Wt. Each, Lbs.	80	120	180
Each	$22.00	32 00	45.00

The No. 183 Vise is made with wrought steel sliding bar. An extra nut for tightening swivel base is placed on left hand side of body.

PARKER SUPERIOR COMBINATION

Parkco Metal, Swivel Base

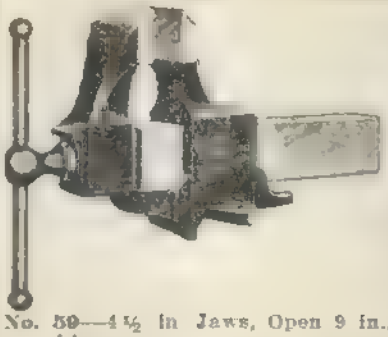
Superior in Strength, Quality and Finish, Patent Swivel Base with Locking Attachment gives additional strength. Extra Strong Clean Cut Threads and Nuts, Saddle and Saddle Screw. Front Jaw is reversible so that it may be turned giving it double wear.



Nos.	87	88	288½	289½
Width Jaws, Inches	3½	4½	5	6
Jaws Open, Inches	3	5	6	9½
Holds Pipe, Inches	⅛ to 2	⅛ to 3	⅛ to 4	⅛ to 6
Weight Each, Lbs.	47	71	118	185
Each	$16 00	22 00	32 00	45 00

VISES

BULL DOG COACHMAKERS



Stationary Base Solid Jaw, Detachable Steel Faces

Designed with very high jaws and long arm. The deep throat and wide opening allow operator the maximum amount of room for holding work.

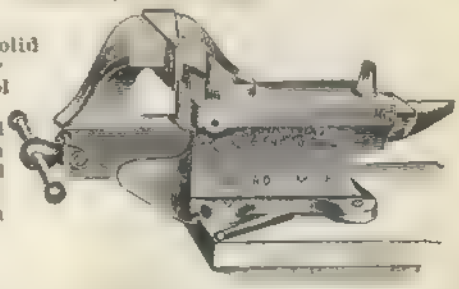
Furnished with smooth jaws.

Each

No. 59—4½ in Jaws, Open 9 in., Weight Each 48 Lbs. .$16 25

CHENEY ANVIL VISE

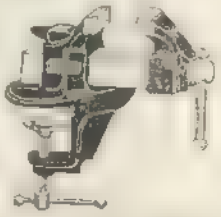
Complete with Solid Steel Hardy or Cutting-off Tool



Iron Body, Chilled Hard and Smooth Anvil Face, Steel Faced Jaws Wrought Iron Screw.

The adjustable jaw will turn so as to hold odd-shaped articles as shown in cut.

Nos.	10	20	30	40
Face of Anvil, Inches	4½x2	6½x3	8x3½	8½x4
Jaws, Inches	2½	3½	4	4½
Jaws Open, Inches	3	4	5	6
Weight Each, Lbs.	9	25	35	50
Each	$14.00	20 00	24 00	30 50



STANLEY BENCH

The screw (body, head and collar) is in one piece, turned from cold rolled steel and has a square lathe cut thread. The jaws are hardened and ground to insure their meeting square when closed. Both back and front jaws are filed to fit

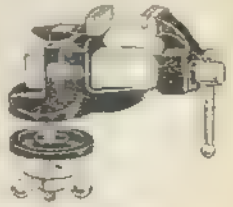
Clamp Base, Blue Japanned, Plain Iron Jaws

Nos.	741	742	743	744	745	746
Width Jaws, Inches	1½	1¾	2	2¼	2½	3
Weight Each, Lbs.	3	3¼	3½	4	5	8¾
Each	$1.60	1.90	2.25	2.70	3.15	4.95

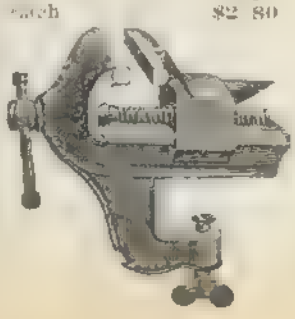
Clamp Base, Brown Japanned, Tool Steel Jaws

Nos.	761	762	763	764	765	766
Width Jaws, Inches	1½	1¾	2	2¼	2½	3
Weight Each, Lbs.	3	3¼	3½	4	5	8¾
Each	$2.05	2.35	2.75	3.15	3.75	5.50

Swivel Base, Brown Japanned, Hardened Steel Jaws



Nos.	773	775	776
Width Jaws, In.	3	2½	3
Wt. Each, Lbs.	3½	5	6½
Each	$2 80	4 15	5 70



HARDY BENCH

Japanned Malleable Iron Body, Steel Screw

Nos.	1½	2	2½
Wd. Jaws, In.	1½	2	2½
Jaws Open, In.	1¾	2¼	2¾
Wt. Ea., Lbs.	1	2	4
Each	$0.50	1.00	1.50

A moderate priced vise for home and radio work

COMBINATION VISES

MACHINE AND PIPE

PARKER'S, Swivel Base.

Semi-steel body, painted; with polished slide and steel faced jaws; polished steel screw and lever handle.

Nos.	87	88	288½
For pipe, ins	⅛to2	⅛to3	⅛to4
Jaws, ins	3½	4½	5
Jaws open, ins	8	5	6
Length over all, ins	15½	17½	20¾
Wt each, lbs	46	70	114
Each	$42 00	57 00	83 25

Packed loose.

MACHINISTS' VISES

PRENTISS VISE ASSORTMENTS

Grey iron and steel, castings polished steel screw and sliding lever handle.

Nos. 161½ and 162 furnished with center bolt, nut and washer for fastening to bench can be used as stationary or swivel bottom vise. Nos. 50 and 52 have stationary base. Nos. 90 and 92 have swivel bottom, adjustable to any desired angle.

Each

No. 6—Assortment consists of one each of the following: Nos. 50, 52, 90, 92, 161½, 162 and one display stand furnished, no charge $144 00

Vises packed in bbl; wt per ass't 178 lbs; stands crated; wt each 65 lbs.

WOOD WORKERS' VISES

BULL DOG

Grey iron and steel castings japanned; polished slide, steel faced jaws; screw and sliding lever handle.

Each

No. 59—Width jaws 4½ ins; jaws open 9 ins; lgth. over all 19½ ins $38 25

Packed loose; wt each 47 lbs.

PRENTISS

Stationary Base, Swivel Jaw.

Grey iron and steel, castings, japanned; polished slide and steel faced jaws; screw and sliding lever handle. Self adjusting rear jaw.

Each

No. 10P—Width jaws 4½ ins; jaws open 9½ ins; length over all 23¼ ins $57 75

Packed loose; wt each 58 lbs.

KEYSTONE, Stationary Base.

Cast iron body, japanned, with polished steel smooth face jaws, and sliding lever handle.

Each

No. M—Width jaws 4 ins; jaws open 6 ins; length over all 19 ins $21 00

Packed loose; wt each 35 lbs.

WOOD WORKERS' VISES

SHEPARD, With Anvil.

Grey iron and steel castings, japanned, with polished slide and steel faced jaws. Polished steel screw and sliding lever handle.

Stationary Base.

Nos.	168	68
Width jaws, ins	3½	4½
Jaws open, ins	7	9
Length over all, ins	18	20
Wt each, lbs	33	29
Each	$23 25	28 50

Packed loose.

Patent Swivel Base.

The swivel base is most convenient; a slight movement of the lever allows the vise to turn where it is rigidly fastened by another turn of the lever.

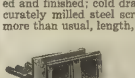
Each

No. 69—Width jaws 4½ ins; jaws open 9 ins; length over all 20 ins $31 80

Packed loose; wt each 45 lbs.

ABERNATHY

A rapid acting or continuous screw vise. A quarter turn to the left permits the sliding jaw to move either backward of forward instantly. Best quality gray iron castings, well machined and finished; cold drawn steel slides; extra smooth and accurately milled steel screw; phosphor bronze hobbed nut, of more than usual, length, insuring strength and long wear.



Nos.	70	80
Width jaws, ins	7	10
Depth jaws, ins	4	4
Jaws open, ins	9	12
Length over all, ins	20	28
Wt each, lbs	28	32
Each	$18 75	23 25

Packed loose.

With Adjustable Dog.

Nos.	70D	80D
Width jaws, ins	7	10
Depth jaws, ins	4	4
Jaws open, ins	9	12
Length over all, ins	20	28
Wt each, lbs	29	32
Each	$19 80	24 00

Packed loose.

CHAMPION

Japanned cast iron body, polished tool steel screw and sliding lever handle. Has screw holes in each jaw for fastening on wooden jaw. Can be fastened to anything from ⅞ to 2¼ inches thick.

Each

No. 555—Lgth. jaws 4¾ ins; jaws open 3¼ ins; ht. 5 ins $6 75

One in carton; wt each 4 lbs.

SOLID BOX VISES

Forged steel body, jaws and hinge plate, japanned finish; malleable iron bench plate, malleable box. Japanned polished steel screw and sliding lever handle. Steel spring between jaws.

Nos.	735	750	770	800
Wt each, lbs	35	50	70	100
Width of jaws, ins.	3½	4½	5½	6
Jaws open, ins	3¾	4¾	5¾	6
Each	17 25	20 25	26 25	38 25

Packed loose. $10 00 11 50 15 00 22 00

VISE BOXES AND SCREWS

Wrought steel box. Steel screw and sliding lever handle. For solid box vises.

Nos.	1	2	3
For vises, lbs	35 to 50	70	100
Diam screw, ins	1 1/16	1 1/4	1 5/8
Diam box, ins	1 1/2	1 3/4	2
Length over all, ins	6 1/2	7 3/4	8 1/4
Wt each about, lbs	8	12	18
Each	$8 25	9 00	10 95

Packed loose.

PIPE VISES

VULCAN

Wrought steel base plate and adjusting handle, natural finish. Polished steel screw; drop forged steel jaws, tempered for re-filling. Steel link, hand made chain, fits inside of base plate and is adjustable. For use on either bench or post. Each

No. 1—For 1/8 to 2 in. pipe. Has extended tooth, prevents bending of small size pipes, tubes and bars. Size when folded 4x6x6 ins; wt each 4 lbs $10 95

No. 2—For 1/4 to 4 in. pipe. Size when folded 6x8x8 ins; wt each about 5 lbs 22 50

One in box.

Self Locking.

Malleable iron frame and base, japanned; 10 inch natural finish steel sliding handle; polished steel screw. Jaws milled from solid tool steel bar, hardened and tempered in oil; two stationary lower jaws and one movable upper jaw fastened with two steel bolts in each jaw. Hinged joint and self locking; holds pipe rigid when closed and set; having lugs on both uprights, permits latch being used or either side. Each

No. 72P—For 1/8 to 3 1/2 in. pipe; height over all 13 ins; size base 8x6 ins $15 75

Packed loose; wt each 15 lbs.

Malleable iron, japanned. Polished steel sliding handle and screw; cut and hardened steel jaws. Holes in base to screw to bench; hinged joint on one side to open vise; self locking, holds pipe rigid when closed and set.

Each

No. 70P—For 1/8 to 2 in. pipe. Height over all 11 ins; size of base 5x4 1/2 ins $9 00

Packed loose; wt each about 7 lbs.

Nos.	71P	73P	64P
For pipe, ins	1/8 to 2	1/8 to 4 1/2	1/8 to 6
Height over all, ins	12 3/4	17 1/2	21
Size base, ins	6x4 1/2	8 1/2 x 6	10 1/2 x 8 1/2
Wt each, lbs	10	26	52
Each	$10 50	24 00	49 50

Packed loose.

COMBINATION VISES

CHENEY'S Anvil And Vise.

Cast iron body, painted green steel screw and sliding lever handle; hardened steel jaws. Chilled iron anvil, solid steel hardy; adjustable jaw will turn to hold odd shaped articles; jaw may be removed and anvil used in regular manner.

Nos.	820	830	840
Width jaws, ins	3 1/2	4	4 1/2
Jaws open, ins	4	5	6
Face of anvil, ins	3x6 1/2	3 1/2 x 8	4x8 1/2
Length over all, ins	15	17	18
Average wt, lbs	32	41	56
Each	$25 50	29 25	36 00

One in wood box.

DIAMOND, Anvil and Vise.

Cast iron body, painted green blued steel handle and screw. Hardened iron polished faced jaws, small jaw can be set at any position.

Each

No. 850—Size jaws 4x7/8 ins; face of anvil 4x7 ins; jaws open 12 ins; holds pipe up to 2 ins; length over all 17 ins $16 50

One in wood box; wt each about 44 lbs.

FARMERS

Anvil, Vise and Pipe Holder.

Cast iron, japanned; steel screw and sliding lever handle, chill hardened jaws, polished. Pipe holding jaws. For mechanics, farmers, household use, etc.

Each

No. 83—Width jaws 3 ins; jaws open 6 ins; holds 1/8 to 2 in. pipe; hardened anvil face 8x3 ins; length over all 16 ins $6 75

One in box; wt about 28 lbs.

BORAX

Concentrated; for forge use and welding purposes.

		Per 100 Lbs
Lump	5 lb boxes	$29 25
	100 lb bags	26 25

WELDING COMPOUND

E-Z—For iron, malleable iron and all grades of steel.

	Per Lb
5 lb boxes	$0 30
10 lb boxes	30
25 lb boxes	27

Climax—An excellent compound for all grades of steel.

	Per 100 Lbs
5 lb boxes	$31 50
10 lb boxes	31 50
Bulk	27 00

POCKET HUNTING KNIVES

OUR VERY BEST, FOLDING

LOCK BACK

No. C143—1 blade, full polished, 3⅜ in stag handle, brass lined, length closed 4½ in. ...per dozen $30.00
HALF DOZEN IN A BOX.

LOCK BACK

No. C156—1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5⅛ in.per dozen $55.55
HALF DOZEN IN A BOX

One blade, glazed, 4½ in. iron lined, length closed 5⅛ in.

No.	C144
Handle	Cocoa
Bolster	Single
Per dozen	$28.00

HALF DOZEN IN A BOX

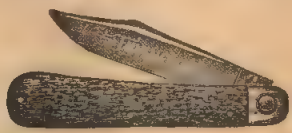
No. C061H—1 large **clip point** blade, glazed brown bone handle, steel lined, length 5 in. when closed, per dozen $14.45
HALF DOZEN IN A BOX

No. C063H—**Easy opener,** 1 large **clip point** blade, glazed, brown bone handle, steel lined, length 5 in. when closed.....per dozen $14.45
HALF DOZEN IN A BOX

PRESS BUTTON, FOLDING

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

No. C943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in.. . .....per dozen $26.65
HALF DOZEN IN A BOX



No. C944—1 blade, polished, 3⅞ in., stag handle, iron lined, length closed 4⅞ in.. ..... per dozen $30.00
HALF DOZEN IN A BOX

No. C953—1 blade, polished, 2⅞ in., stag handle, iron lined, patented, self-adjusting, nickeled silver guard, length closed 4⅜ in.....per dozen $38.90
ALL THE ABOVE HALF DOZEN IN A BOX

NEFT SAFETY

A slight pressure on the shield opens the knife, swing blade out into cutting position, close case or handle and you have a rigid knife that is ready for business.

No torn thumb nails or sore fingers, no projections to catch or tear clothing.

Adaptable for every outdoor use. For hunting, fishing, camping, etc., it has no superior. Blades can be easily changed. Unconditionally warranted.

No. C961—Neft Safety Knife, made of the highest grade crucible steel, scientifically tempered and ground to a keen and lasting edge, length of blade 4¼ in., length of knife when closed 5⅛ in., scored hard rubber handle, large nickel silver bolsters with guard and toggle to attach to rope or key chain, small metal wrench for interchanging blades ... . per dozen $66 65
HALF DOZEN IN A BOX

VITAMINS

Pay a Penny for Its Life!

Life and growth for Chicks come from vitamins packed in Checkerboard Bags. One cent for six weeks' feed pays the difference in cost between feeding Purina Poultry Chows and feeding average unbalanced, untested rations. 50% of the chicks fed average mixtures die. Purina saves 90%. There's real profit in saving chicks' lives.

FIRST SIX WEEKS — 7th to 20th WEEK

BUY PURINA POULTRY CHOWS

Courtesy of Ralston Purina Co. — 150 Screen Four Color Process Plates

A POULTRY FOOD POSTER

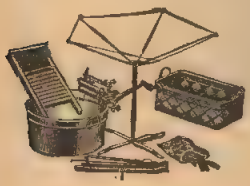
Reproduced from three Oil paintings of Title, Chick and Sacks, and proof of type. Negatives stripped and surprinted into position. Original Four Color Process Poster, size 25x36 inches

Engraved by CENTRAL ENGRAVING COMPANY, ST. LOUIS

TOYS FOR GIRLS

TOY LAUNDRY SETS

Strongly made, nicely finished, attractive color combinations. Washboard 12 in. long, natural finish, California redwood, rubbing surface moulded crystal glass 4½x6 in.; metal wash tub, 10 in. in diameter, 5 in. deep, made of heavy sheet steel enameled dark blue outside, white inside; clothes dryer, revolving type, collapsible, with 5 ft. of line; clothes pin bag, fabric showing scenes from nursery rhymes, 4½x6½ in., contains 12 pins, wringer all metal, electro galvanized, ¾x4 in., rubber rolls, removable crank handle, permits turning backward and forward, basket substantially made, 11½x7¾x4½ in.



No. C2.

No. C41—Set includes four pieces, washtub, dryer, wash board and clothes pins, w't per doz. sets 40 lbs., per dozen sets *$12.00*

No. C212—Set includes six pieces, washtub, wash board, dryer, wringer, clothes basket, clothes pins, w't per doz. sets 60 lbs., per dozen sets *$30.00*

HALF DOZEN SETS IN A CARTON

No. C213—Set includes 8 pieces, washtub, clothes reel, wash board, bag of clothes pins, wringer, basket, ironing board and sad iron, Ironing board, wood top 5½x20 in; steel legs, finished in blue enamel 16½ in. high, foldable; Sad Iron base 4½x2 in. nickel plated and polished, handle detachable, w't per doz. sets 100 lbs., per dozen sets *$42.00*

QUARTER DOZEN SETS IN A CARTON

THE PYREXETTE

A Set of Six Perfect Miniature PYREX Dishes

For baking PYREX Pies, Custards, Bread Puddings and Casserole foods. Receipes furnished for each dish.

Made of genuine PYREX "Just like mother uses." Carrying the same guarantee as the regular PYREX line.

Furnished in Attractive Colored Display Cartons

EACH SET CONTAINS:

1 Casserole and Cover
1 Pie Plate—Wide Flange
1 Bread Pan
1 Pudding or Bake Dish
2 Custard Cups.

No. D002—W't 5 lbs., per dozen *$36.00*

EACH SET FURNISHED IN A CORRUGATED BOARD CONTAINER READY TO MAIL

Hibbard Hardware for Hard-Wear

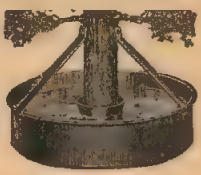
ELECTRIC TOY RANGE

Bakes cookies, pies, biscuits—bakes a whole potato just like the big kitchen stove. There is no danger because of the perfect insulation used. Will not scorch or burn whatever it rests upon. Complete set of aluminum utensils with each range. Height 16½ in., depth 6 in., width 11 in., voltage 110 to 120.

No. C3300—W't each 10 lbs., each $16.65

ONE DOZEN IN A BOX

CHRISTMAS TREE HOLDERS



NESCO

A new idea in tree holders. Holds tree firmly in socket with three braces on trunk. Water in pan serves as weight and keeps tree green and fresh. Japanned green.

Full Half Dozen Cases

Nos.	H12E	H14E	H16E
Inches	12¾x3¾	14½x3¾	16¾x4
W't doz., lbs.	32	40	50
Per dozen	$14.45	17.35	20.00

Less Than Case

Nos.	D12E	D14E	D16E
Per dozen	$16.65	19.55	22.20

HALF DOZEN IN A CASE

TICKET PUNCHES

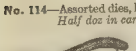
Assorted Dies.

Malleable iron nickel plated and polished; steel dies; wire spring length of reach 1¼ inches.

Per Doz

No. 114—Assorted dies, length over all 5 ins $42 00
Half doz in cardboard box; wt per doz 2 lbs.

Assorted Dies.



Stamped steel, nickel plated and polished; steel dies and spring; with reservoir and finger ring; knurled grip.

Numbers 1 2 3 4 5 6

Stock design of dies .....

Per Doz

No. 5-6—Length of reach 1 in; length over all 5 ins $9 75
Half doz in cardboard box; wt per doz 2¾ lbs.

With Reservoir.

Stamped steel, nickel plated and polished; steel dies and spring; with reservoir and finger ring; knurled grip.

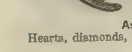
Assorted Dies.

Hearts, diamonds, spades, clubs and round.

Per Doz

No. 400—Length of reach 1 in; length over all 5 ins $6 30
One doz in cardboard box; wt per doz 2¾ lbs.

Assorted Dies.



Malleable iron, steel coil wire spring and dies; length of reach 1 inch, length over all 4¼ inches.

Numbers 1 5 6 7 9 12 17 18 19

Stock design of dies .....

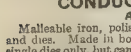
Per Doz

No. 31P—Polished $22 50
No. 31NP—Nickel plated 31 50
One doz in cardboard box; wt per doz 2¼ lbs.

CONDUCTORS' PUNCHES

Assorted Dies.

Malleable iron, polished and nickel plated. Steel springs and dies. Made in both single and double dies. Carried in single dies only, but can be furnished from factory in any design wanted, single or double dies.

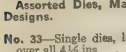


Flat spring. Numbers and dates to be punched are plainly visible.

Assorted Dies, Made in approximately 200 different Designs.

Per Doz

No. 33—Single dies, length of reach 1¼ ins; length over all 4½ ins $81 00
One in cardboard box; wt per doz 3¾ lbs.



Coiled wire spring.

Assorted Dies, Made in approximately 200 Different Designs.

Per Doz

No. 2½—Single dies; length of reach 1¼ ins; length over all 4¼ ins $81 00
One in box; wt per doz 4 lbs.

SPRING PUNCHES

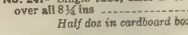
—PINE KNOT—

First quality cast steel handles and jaws, polished; crucible steel tubes, heavy rivet at joint, tempered steel spring riveted to handle.

Per Doz

No. 247—Single tube; sizes 2 to 10, assorted; length over all 8¼ ins $15 75
Half doz in cardboard box; wt per doz 9 lbs.

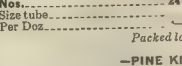
TUBES FOR No. 247—PINE KNOT—PUNCHES



Nos.	247T-2	247T-3	247T-4	247T-5	247T-6	247T-7	247T-8	247T-10
Size tube	2	3	4	5	6	7	8	10
Per Doz	$4 50				$4 50			

Packed loose.

—PINE KNOT—

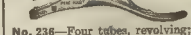


First quality cast steel handle and jaws; polished crucible steel tubes, heavy rivet at joint; tempered steel springs, riveted to handle.

Per Doz

No. 236—Four tubes, revolving; sizes 4, 6, 8 and 10; length over all 9½ ins; wt per doz 8 lbs $24 00
Half doz in cardboard box.

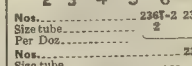
TUBES FOR No. 236—PINE KNOT—PUNCHES



Nos.	236T-2	236T-3	236T-4	236T-5	236T-6	236T-7	236T-8	236T-9	236T-10
Size tube	2	3	4	5	6	7	8	9	10
Per Doz	$4 50					$4 50			

Packed loose.

—PINE KNOT—



First quality cast steel handle and jaws; polished crucible steel tubes; heavy rivet at joint; tempered steel springs, riveted to handle.

Per Doz

No. 239—Six tubes, revolving; sizes 2, 4, 6, 8, 9 and 10; length over all 9¼ ins $33 00
Half doz in cardboard box; wt per doz 9½ lbs.

TUBES FOR No. 239—PINE KNOT—PUNCHES

Nos.	239T-2	239T-3	239T-4	239T-5	239T-6	239T-7	239T-8	239T-9	239T-10
Size tube	2	3	4	5	6	7	8	9	10
Per Doz	$4 50					$4 50			

Packed loose.

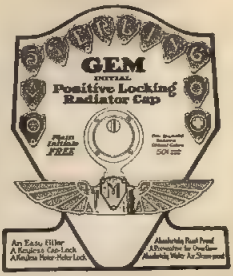
RADIATOR CAPS.

GEM INITIAL.

EMBLEM. INITIAL.

For Use on Gem Locking Cap.

DISPLAY EASEL.



Furnished to Customers — Charging Only for the Twelve Initials.

Positively theft proof; an efficient keyless Moto-Meter lock; a keyless cap lock; an easy filler; absolutely water, air, steam and rust proof.

Regular. 10¼ inches tip to tip. Wt. each, 2½ lbs.....Each $6 00

No. F3 Ford. 7 inches tip to tip. Wt. each, 1½ lbs.....Each $3 50

No. 013 Overland. 7 inches tip to tip. Wt. each, 1½ lbs.....Each $4 00

No. S11 Chevrolet 490. 7 inches tip to tip. Wt. each, 1½ lbs..Each $4 00

No. S11 Star. 7 inches tip to tip. Wt. each, 1½ lbs.....Each $4 00

In ordering regular Gem Caps mention name and model of automobile. Specify initial or emblem.

Revised to February 1, 1926

If your car is not listed, give name and model of car.

Order Caps by this Chart.

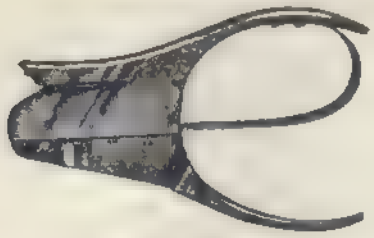
Name of Car	Adapter
Ajax	15
Anderson, 1922-23	15
Apperson to 1918	5
Apperson, later	8
Auburn to 1925	16
Auburn, 1926	18
Buick	15
Buick, 6 cyl., 1924	36
Buick, 1926—all models	36
Cadillac	18
Case U and V	22
Chalmers to 1922	5
Chalmers, 1922-23	18
Chandler to 1922	14
Chandler, 1922	14
Chandler, 1923	6
Cleveland	14
Cole, 1916 and later	6
Columbia	18
Crow Elkhart	16
Chrysler—all models	13
Davis, 1920	5
Davis, later	16
Dinna	37
Dixie Flyer	21
Dodge	14
Dort	18
Durant 6	18
Durant 4	15
Earl	12
Elcar, 1922 and later	16
Elgin	6
Essex	18
Essex, 1924 and later	11
Flint to 1926	15
Flint, model 60	13
Gardner	18
Grant	18
Handley-Knight	18
Haynes	5
Hudson	18
Hupp, all models	12
Jewett	6
Jordan to 1922	6
Jordan, later—all models	31
Lafayette	18
Lexington to 1921	5
Lexington, 1921, 5-Pas.	5
Lexington, 1921, 7-Pas.	18
Lexington, later	18
Lincoln	18
Locomobile	20
Locomobile, Jr.	13
Marmon to 1921	17
Marmon, later	16
Maxwell	13
Moline Knight	18
Moon, to 1922	5
Moon 6-58, 1923	37
Nash	15
Oldsmobile	5
Oldsmobile, 1924 and later	11
Overland to 1923	Spec.
Overland, 1923 and later	13
Oakland	15
Paige	6
Peerless	18
Peerless, 1923 and later	13
Piere-Arrow	5
Pontiac	15
Premier	24
Reo	1
Rickenbacker	13
R & V Knight	18
Roamer—all models	35
Rollin	14
Rolls-Royce	13
Stanley	17
Stearns, 1922 and later	5
Stephens	5
Studebaker	14
Stutz 4	28
Stutz 6	5
Templar, 1921 and later	5
Velie	9
Velie, 1925 and later	18
Westcott	5
White	5
Wills St. Claire	18
Willys-Knight, later	13
Winton	5
Yellow Cab	18

The following caps are made in Baby Gem Sizes:

Chevrolet 490	No. S-11
Chevrolet Superior	No. S-11
Chrysler	No. O-13
Dodge	No. S-14
Essex	No. S-11
Ford	No. F- 3
Gray	No. F- 3
Jewett	No. J- 6
Maxwell	No. O-13
Oldsmobile, 1924 and later	No. O-12
Overland	No. O-13
Star	No. S-11
Studebaker	No. S-14
Ajax	No. S-15
Oakland	No. S-15

TICKET PUNCHES

CONDUCTORS



Nickel Plated

Forged Steel Frame, Tempered Steel Dies and Plunger, Assorted Designs.

Per Dozen

No. 1—4¼ in. Long, Depth of Slot ⅞ in., Weight Per Dozen 4 Lbs. $30 00

One in a Box.

LONG REACH

Nickel Plated

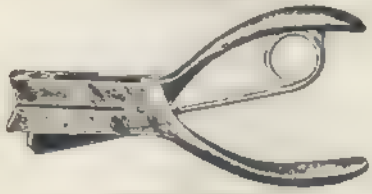
Forged Steel Frame, Tempered Steel Die and Plunger, Assorted Designs.

Per Dozen

No. 28—6½ in. Long, Depth of Slot 2 in., Weight Per Dozen 6½ Lbs. $24.00

One in a Box.

STANDARD



Nickel Plated

Forged Steel Frame, Tempered Steel Die and Plunger, Assorted Designs.

Per Dozen

No. 11—4½ in. Long, Depth of Slot ⅞ in., Weight Per Dozen 3 Lbs. $12.00

One in a Box.

BRIDGEPORT

With Reservoir

Sheet Steel, Nickel Plated, Tempered Steel Stripper and Main Spring, Scored Handles, Assorted Designs.

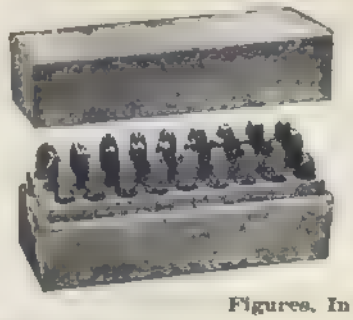
Per Dozen

No. 32—5 in. Long, Weight Per Dozen 2¼ Lbs. $6.00

The reservoir holds the clippings, thus preventing them littering the floor.

One-half Dozen in a Box.

STEEL LETTERS AND FIGURES



Machine Made

Roman Style, Forged Steel, Carefully Drawn, Hardened and Tempered, will cut sharp and true, adapted for stamping Soft Steel, Iron, Brass, Wood, Fibre, etc.

Figures, In Sets

Size, Inches	1/8	3/16	1/4	5/16	3/8
Weight Per Set, Lbs.	1/2	3/4	5/8	1	1
Per Set	$0.90	.90	.90	1.13	1.25

Size, Inches	1/2	5/8	3/4	7/8	1
Weight Per Set, Lbs.	1¼	1⅝	2⅜	2¾	2¾
Per Set	$1.50	1.75	2.50	3.50	4.50

A Set of Figures consists of Nos. 1, 2, 3, 4, 5, 6, 7, 8 and 0. No. 6 is used for figure 9 by reversing.

Letters, in Sets

Size, Inches	1/8	3/16	1/4	5/16	3/8
Weight Per Set, Lbs.	1	1¼	1½	2⅜	2⅜
Per Set	$2.70	2.70	2.70	3 39	3 75

Size, Inches	1/2	5/8	3/4	7/8	1
Weight Per Set Lbs.	3¼	4⅞	6¼	7	7
Per Set	$4 50	5.25	7 50	10.50	13.50

A Set of Letters consists of 28 pieces, the complete Alphabet, with a period and character &.

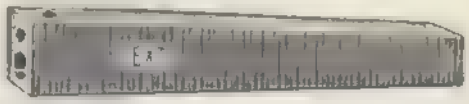
Separate Letters and Figures

Size, Inches	1/8	3/16	1/4	5/16	3/8
Each	$0 15	.15	.15	.16	.18

Size, Inches	1/2	5/8	3/4	7/8	1
Each	$0.20	.30	.40	.50	.50

RIVET SETS

PEXTO TINNERS



No. 46—Especially Adapted for Sheet Metal Workers

Forged from High Quality Steel, Full Polished.

Sizes	00	0	1	2
Hole, Inches	1/8	5/32	11/64	.2130
Drill Size	5/10	9/32	11/64	3
For Iron Rivets, Lbs.	14	10, 12	7, 8	6
For Copper Rivets, Nos.	...	5	6	7
Weight Per Dozen, Lbs.	10½	10½	6¾	6¾
Each	$1 05	1.05	.90	.90

Sizes	3	4	5	6
Hole, Inches	.1910	.1660	.1495	.1405
Drill Size	11	19	25	28
For Iron Rivets, Lbs.	4, 5	2½, 3	1¾, 2	1½
For Copper Rivets, Nos.	8	9	10, 11	12
Weight Per Dozen, Lbs.	5	5	5	2¾
Each	$0.70	.70	.55	.55

Size 00 to 2, Two in a Box, Sizes 3 to 8, Six in a Box.

LACE LEATHER CUTTERS

Steel, Polished Blade and Gauge, Black Enameled Body

Per Dozen

No. 1—Cuts 1/8 to ⅜ in. in Widths. $6.00

HAND METAL PUNCHES

SAMSON

Stamped Steel, Nickel Plated

Maximum power with steel, ⅜ in. through 20 gauge. Will punch through ⅜ in. brass and paper in any thickness to the capacity of its throat opening; also slate without cracking. Depth of throat 1⅝ in. Tools installed with ⅜ in. punch and die, other sizes supplied if wanted.

Each

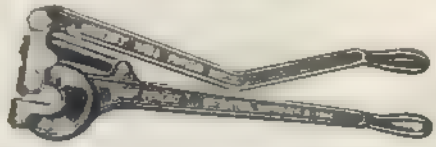
No. 18—7 in. Long, with One Punch and Die, Weight Each 16 Oz. $3.50

One in a Box.

Per Set

No. 1PD—Six Punches and Dies, One Each 3/32, ⅛, 5/32, ⅜, 7/32 and ¼ in. $5.00

WHITNEY



Main Parts Drop Forged Steel, Best Tool Steel Studs, Dies, Punches, Etc.

Each

No. 2—Whitney, 23 in. Long Over All, Capacity ⅜ in Hole in ¼ in. Iron, or Equivalent, Weight Each 13 Lbs. $15 00

EXTRA DIES AND PUNCHES

Size, Inches	⅛	3/32	⅜	5/32	¾	⅞	⅝	½
Each	$0.45	.45	.45	.45	.45	.45	.45	.45

Most powerful and easiest operated Hand Metal Punch on the market. Can be used anywhere with or without vise, in machine, and repair shops, boiler shops, by cornice, tank and stack builders. Simple in operation.

When ordering, always state size to be punched.

SCREW PUNCHES

CAST STEEL

With One Punch and Die

When ordering, state size of hole to be punched.

Depth of throat is distance from center of punch

Nos.	0	1	2	3
Punches Hole, Inches	½	½	⅝	¾
For Thickness of Metal In			½	⅝
Depth of Throat, Inches	1½	1½	2¼	3
Weight Each, Lbs	17	27	40	60
Each	$24.00	30.00	40.00	60.00
Extra Punches ..... Each	2 10	2 40	2 40	3.00
Extra Dies ..... Each	1.40	1.60	1.60	2.00

Note—When ordering Extra Punches and Dies, always specify size to be punched and state number of Screw Punch in which they are to be used.

SPRING PUNCHES

SINGLE TUBE

With Drive Tubes

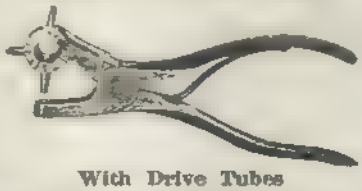
Forged Steel, Polished, Flat Steel Spring. Per Dozen

No. 289—8 in. Long, Assorted Tubes, 2 to 10/32nds. Weight Per Dozen 5¼ Lbs. $5 50

Extra Tubes 1 60

One-half Dozen in a Box.

REVOLVING FOUR TUBE



With Drive Tubes

Forged Steel, Polished, Flat Steel Spring Per Dozen

No. 224—8 in. Long, Tubes Assorted Sizes, Weight Per Dozen 9 Lbs. $18.00

Extra Tubes 1.60

One-half Dozen in a Box.

REVOLVING SIX TUBE

With Drive Tubes

Forged Steel Polished, Flat Steel Spring. Per Dozen

No. 225—8 in. Long, Tubes Assorted Sizes, Weight Per Dozen 9½ Lbs. $17.00

One-half Dozen in a Box

KRAEUTER REVOLVING

No. 18.

High Grade Forged Steel Handles and Jaws, "Don't Slip" Knurled Handles, Highly Polished

Per Dozen

No. 18—8⅝ in. Long, 4 Best Quality Steel "Screw" Tubes, Nos. 4, 6, 7 and 9, Weight Per Dozen 9½ Lbs. $18.00

No. 19—8¾ in. Long, 6 Best Quality Steel "Screw" Tubes, Nos. 4, 5, 6, 7, 8 and 9, Weight Per Dozen 9½ Lbs. 20.00

One-half Dozen in a Box.

SADDLERS PUNCHES

PEXTO

Forged Steel, Full Polished

Nos.	1	2	3	4	5	6	7
Size Hole, In.	1/16	3/32	⅛	5/32	11/64	3/16	7/32
Wt. Dozen, Oz	9	9	11	12	13	15	16
Per Dozen	$3 00	3.00	3.00	3 00	3 00	3 00	3.50
Nos.	8	9	10	11	12	13	14
Size Hole, In.	13/64	7/32	15/64	1/4	17/64	9/32	19/64
Wt. Dozen, Oz.	16	16	20	32	32	34	36
Per Dozen	$3 50	3 50	4 30	4 30	4 30	7 10	7.10

One Dozen in a Box.

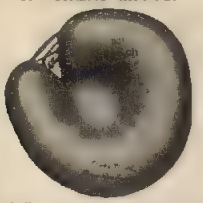
MITTS AND GLOVES.

REACH.

THE "BABE" RUTH LINE.

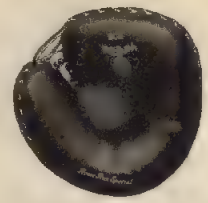
Special models of base ball mitts and gloves for players who want moderate priced equipment which has all the desirable playing and wearing qualities. "Babe" Ruth assisted in designing this line and his signature on each number is his endorsement of its fitness for use in playing the game.

CATCHERS' MITTS.



No. RC1—"Babe" Ruth Home Run Special. A regular big league professional model with every quality necessary to make a good mitt. Made of selected light brown, smooth grained horse hide, the toughest and best leather for the purpose. The entire face is moulded from one piece of leather. The fingers are double stitched to the back. The edges are leather bound and laced. A strap and buckle at the wrist hold the mitt snugly to the hand. A felt lined, leather extension under the buckle prevents chafing on the back of the hand. A deep, sure-catch pocket is formed in the felt padding and moulded in the leather face. A special lacing between the thumb and face of the mitt allow adjustment of the depth of the pocket. This mitt will do all the catcher expects it to do under all playing conditions. Wt. each, 2¼ lbs. ..... Each $8 00

CATCHERS' MITTS.



No. RC2—"Babe" Ruth Home Run Special. This mitt is moulded on one of our most popular professional patterns. Compact and snug fitting, it hugs the hand and the built-in, moulded pocket is always in the right place which helps to make sure catches of hard pitched or thrown balls. Made of real horse hide of a dark brown color. Bound and laced edges; a hand formed pad of good felt; professional style trap lacing between thumb and face allows adjustment of pocket; strong strap and buckle at the wrist with felt padded extension under the buckle to protect the back of the hand. Every little feaure that makes a real mitt, with all of the desired playing and wearing qualities. Wt. each, 2 lbs. ..... Each $5 00

BASEMEN'S MITTS.

No. RB1—"Babe" Ruth Home Run Special. It is easy to note the sure-catch qualities of this mitt when it is put on the hand. It gives the player confidence in his ability to stop and hold any balls which come within reach. Made of light brown horse hide and fitted with a hand-made, felt pad with the natural built-in pocket; the pad may be adjusted if desired; the edges are leather bound and leather laced: strap and buckle at wrist with protector to prevent buckle from rubbing the hand; lacing between thumb and face permits adjustment of depth of pocket; high or low, wide or close, this mitt helps to hold them. Wt. each, 1⅛ lbs. ..... Each $5 00

FIELDERS' GLOVES.

No. RF1—"Babe" Ruth Home Run Special. A real professional glove. The pocket and fit are perfect; the fingers move as quickly as your own and it always stays in place. These features are built right into each glove. The horse hide leather is specially tanned and specially oil-treated to give it permanent flexibility and extra wearing quality. The hand-made padding is fitted into each glove. The seams are leather welted and diverted between the fingers to prevent ripping. Laced at wrist tot allow change or adjustment of padding. Long thumb with lacing adjustment to form a wider or deeper pocket. Lined with durable, soft leather and leather bound. A glove that will measure up to the demands of any player. Wt. each, 15 ozs. ..... Each $5 00

FIELDERS' GLOVES.

No. RF2—"Babe" Ruth Home Run Special. The playing features and wearing qualities of this glove are better than the price would indicate. Made of a very fine selection of dark brown horse hide, lined with soft glove leather; strongly bound edges; leather welted seams, diverted between fingers to prevent ripping; laced at the wrist to permit change or adjustment of padding. A good hand-formed padding which stays in place; wide, deep sure-catch pocket; wide web between thumb and first finger. It has all of those fine points which assist in good playing. Wt. each, 14 ozs. . Each $3 50

When ordering Mitts and Gloves for use on right hand, specify full right.

BASE BALL BATS.

REACH.

Nos N15B. N15G. N15R.

Base Ball Bats are Not Guaranteed.

De Luxe Professional Models.

The ultimate in quality. Made of the finest selected air dried, Nothern White Ash, second growth. Selected for its perfect grain and for balance and driving power. There are four styles of finish. The highest quality French polish produces a hard surface. Made in twelve professional models covering a range so complete that any ball player can be suited.

No. N15B. Orange finish; taped handle.....Each **$2 50**
No. N15G. Dark green finish; taped handle.....Each **2 50**
No. N15R. Dark red finish; taped handle.....Each **2 50**
No. T25. Natural yellow finish; taped handle.....Each **2 00**

The Brute.

A big heavy, solid bat for powerful players. Made to meet the demand of the big fellows. Large batting surface, large grip. Every bat turned from the densest timber procurable. Dark burnt and burnished finish with natural handle.

The Brute .....Each **$2 00**

Above bats packed 1 dozen in a crate. Wt. crate, about 33 lbs.

No. T25. The Brute

"Players" Models.

Made of the finest quality, extra selected, hard Northern White Ash. This timber is thoroughly seasoned which hardens the fibre and produces the greatest driving power. Oil tempered, hard filled and bone-rubbed to a hard finish. Made in twelve models from which any player can choose a bat which will perfectly suit his needs for batting. The following are models: Buddy Ryan, Crawford, Schulte, Murphy, Hale, Bancroft, Williams, Frisch, Fournier, Bing Miller, Johnnie Evers, Chance.

B. Ryan Crawford Schulte Murphy Hale Bancroft Williams Frisch Fournier B. Miller. J. Evers Chance

"Players" Models .....Each **$2 00**

Above bats packed one dozen in a crate. Wt. crate, about 33 lbs.

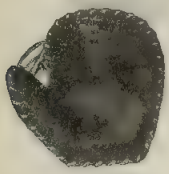
BASEMEN'S MITTS

REACH

Low Blue Model

A distinctively professional type mitt. Made of the finest selection of Reaco Special oil treated horse hide with pearl glove leather lining, fitted with a hand-formed, asbestos felt, hinge pad. Laced, glove thumb allows free action. Roll leather binding and leather welted seams. Leather laced. Strap and buckle at wrist with padded extension under buckle to protect back of hand. Trap lacing between thumb and face of mitt. No breaking in required. Each mitt is an exact duplicate of those made for and used by Blue.

No. 3BB Low Blue Model.. ..Each, **$10.00**
One in a Box



Joe Judge Model

A medium-size mitt with just the right amount of padding. Made of oil treated Reaco horse hide leather. Pearl glove leather lining. Roll leather binding. Leather laced edge. Trap lacing at thumb. Strap and buckle at wrist with hand protector.

No. C Joe Judge Model.....Each, **$9.00**
One in a Box

Jim Poole Model

A special laced, glove thumb model. Made of selected Reaco golden grain horse hide. Roll leather binding. Leather laced edge. Leather welted seams. Trap lacing at thumb. Strap and buckle at wrist fitted with hand-protecting extension. Hand-formed, felt padding.

No. 4AB Glove Thumb Model..Each, **$8.00**
One in a Box

Glove Thumb Model

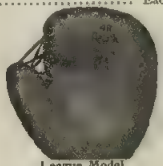
Made of fine oiled brown grain horse hide with pearl glove leather lining. Laced glove thumb model. Roll leather binding. Leather lacing. Hand-formed padding. Trap thumb lacing. Strap and buckle wrist with extension underbuckle to protect back of hand.

No. 4P Glove Thumb Model..Each, **$7.00**

Harry Davis Model

The mitt is made of choice dark brown horse hide. Roll leather binding. Leather laced around entire edge. Hand-formed padding. Trap lacing at thumb. Strap and buckle at wrist. Standard professional model.

No. 4A Standard Professional Model.....
..... Each, **$5.00**



League Model

Made entirely of choice Ecru horse hide. Strong leather binding. Leather laced. Carefully padded. Trap lacing at thumb. Strap and buckle at wrist.

No. 4R League Model.....Each, **$3.50**

Grabber Model

This mitt is made of good quality Mahogany horse hide leather. Laced edge. Trap thumb lacing. Hinge padding. Strap and buckle wrist.

No. R Grabber Model.....Each, **$3.00**
All the Above, One in a Box

Regulation Model

Made entirely of Black horse hide leather. Leather laced. Strap and buckle at wrist. Trap thumb lacing. Hinge pad. Regulation size.

No. 2R Regulation Model.....Each, **$2.50**

Medium Size

This mitt is made entirely of Cream horse hide leather. Laced edge. Strap and buckle at wrist. Medium size. Correctly padded.

No. XR Medium Size.. .. ...Each, **$2.00**
One in a Box

Amateur Model

Full size. Made of Wine horse hide leather. Bound edge. Well padded. Strap and button wrist. Laced thumb.

No. 3R Amateur Model.....Each, **$1.50**
One in a Box

Youth's Model

Genuine horse hide leather face and back. Khaki lining. Bound edge. Carefully padded. Youths' size.

No. PB Youths' Model.....Each, **$1.00**
One in a Box

Note: Made in Rights and Lefts. When Ordering a Mitt for a Left Hand Player, Specify "Full Right."

CATCHERS' MITTS
REACH

Professional Double Faced Model

A double faced mitt. Two faces each moulded from a single piece of leather, give double wearing quality and perfect catching ability to this mitt. Additional features are the King Patent Lacing device by which the padding is laced firmly in place, and the Reach hold fast back which is so constructed that when once adjusted the mitt can be taken off or put on without handling the straps. The professional or "trap" lacing between thumb and face of mitt enables the player to form a pocket of any desired depth. Made entirely of the most perfect selection of Reaco dark brown horse hide. Seams are double stitched and leather welted. Rolled leather binding. A special felt is used for the padding.

No. 12A Professional Double Faced Model . . . . . .Each **$15.00**

One in a Box

Professional Moulded Model

Patented moulded model. Made of the finest selection of golden grain Reaco horse hide. Rolled leather binding. Leather welted and double stitched seams. Special hand-formed padding. Professional style trap lacing at thumb. Strap and buckle at wrist with buckle protector and formed asbestos felt padding. A small, compact model. Mitts of this pattern are used by many of the prominent catchers.

No. 8A Professional Moulded Model. . . . . .Each, **$14.00**

One in a Box

Regulation Professional Moulded Model

Full moulded model. Made of high grade Reaco dark brown horse hide. Hand-formed padding of best quality felt rolled leather binding. Leather lacing. Double stitched. Strap and buckle at wrist with hand protector. Trap lacing at thumb for adjustment to form pocket. Regulation professional model.

No. 41 Regulation Professional Moulded Model. . . . . .Each, **$10.00**

One in a Box

Special Professional Moulded Model

Special professional moulded model. Made of Reaco golden grain horse hide. Hand formed felt padding. Rolled leather binding. Leather laced. Double stitched seams. Strap and buckle at wrist with hand protecting device. Trap lacing between thumb and face. A medium-sized mitt popular with catchers.

No. 33 Special Professional Moulded Model . . . . . .Each, **$8.00**

One in a Box

Moulded Model

Is a moulded style mitt made entirely of genuine black horse hide. Rolled leather binding. Leather laced. Carefully padded with felt. Trap lacing at thumb. Strap and buckle at wrist with hand-protecting device.

No. 31 Moulded Model. . . . . .Each, **$7.00**

One in a Box

Moulded Style

Moulded style with deep pocket. Made with genuine cream horse hide face and fingers. Brown mitten leather back. Leather laced edge. Trap lacing at thumb. Strap and buckle wrist with hand protector. Carefully padded.

No. BP Moulded Style. . . . . .Each, **$5.00**

One in a Box

Regulation Model

A full size regulation model mitt. Ecru tan genuine horse hide face and fingers. Black horse hide back and strip. Leather laced edge. Trap lacing at thumb. Strap and buckle at wrist with hand protector. Good padding. A good serviceable mitt.

No. 150 Regulation Model. . . . . .Each, **$3.00**

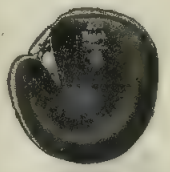
One in a Box

Regulation Size

Made with cream horse hide face and fingers. Black horse hide back and strip. Bound edge. Laced thumb. Strap and buckle at wrist. Regulation size.

No. 100 Regulation Size . . . . . .Each, **$2.00**

One in a Box



Regulation Size

Made with genuine black horse hide face, back and fingers and smoked horse hide strip. Double stitched seams. Correctly padded. Leather laced. Strap and buckle wrist with hand protector. Trap lacing between thumb and face. Regulation size.

No. 200 Regulation Size. . . . . .Each, **$4.00**

One in a Box

Regulation Size

Mahogany horse hide face and fingers. Black horse hide back. Black leatherette strip. Laced model. Strap and buckle at wrist. Regulation size.

No. FP Regulation Size. . . . . .Each, **$2.50**

One in a Box

Full Size

Black horse hide face and fingers. Cream horse hide back. Black leatherette strip. Bound edge. Strap and buckle wrist. Laced thumb.

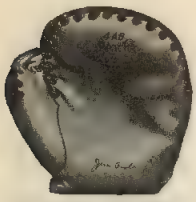
No. 75X Full Size. . . . . .Each, **$1.50**

One in a Box

NOTE—When Ordering a Mitt for a Left Hand Player, Specify "Full Right"

BASEMEN'S MITTS.

REACH.



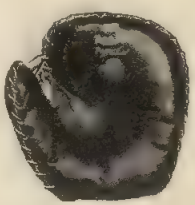
No. 4AB—"Jim" Poole Model. Made of selected Reaco golden grain horse hide; hand-made and hand-fitted padding; laced edge, trap thumb lacing, strap and buckle at wrist with hand protector and all the practical Reach features which make Reach equipment the choice of professionals. Wt. each, 1¼ lbs. .....Each **$8 00**

No. 4B. Patterned after one of the popular professional models and made to give good, lasting wear. Made of genuine cream horse hide; laced glove thumb model; hand-formed padding; leather binding and lacing; trap thumb lacing; strap and buckle wrist. An exceptionally good mitt for the price. Wt. each, 1⅛ lbs . ...Each **$5 00**

No. R. This mitt is made of good quality mahogany horse hide leather; laced edge; trap thumb lacing; hinge padding; strap and buckle wrist. Wt. each, 1 lb. .....Each **$3 00**

No. 4P. Made of fine oiled brown grain horse hide with pearl glove leather lining—the hand does not touch the oiled leather; laced glove thumb closes easily over a deep, wide pocket; hand-made padding; trap thumb lacing; strap and buckle at wrist with extension under buckle to protect back of hand. Ready for play no breaking-in required. Wt. each, 1¼ lbs. .....Each **$7 00**

No. 4X. A standard professional model. Made of choice oiled horse hide; glove leather lining; rolled leather binding; hand-made, felt padding; laced around entire edge; strap and buckle at wrist; trap thumb lacing; has all features necessary to a good mitt. Wt. each, 1 lb.....Each **$4 00**



No. 2R. Made entirely of black horse hide leather; leather laced; strap and buckle at wrist; trap thumb lacing; hinge pad; regulation size. Wt. each, 1 lb. .....Each **$2 50**

No. 4A—Harry H. Davis Model. Made of golden brown horse hide. A generous sized mitt but perfect fitting and sure in action. Hand formed padding and trap thumb lacing make it easy to adjust the pocket as desired. Laced edge; strap and buckle at wrist. Wt. each, 1⅛ lbs.....Each **$5 00**

No. 4R. Made entirely of choice Ecru horse hide; strong leather binding; leather laced; carefully padded; trap lacing at thumb; strap and buckle at wirst. Wt. each, 1 lb.....Each **$3 50**

No. XR. This mitt is made entirely of cream horse hide leather; laced edge; strap and buckle at wrist; medium size; correctly padded. Wt. each, 1 lb. .....Each **$2 00**

NOTE—When ordering Basemen's Mitts for use on right hand, specify full right.

CATCHERS' MITTS.

REACH.

No. 200. Made with genuine black horse hide face, back and fingers and brown leather strip; double stitched seams; correctly padded; leather laced; strap and buckle wirst with hand protector; trap lacing between thumb and face; regulation size. Wt. each, 2 lbs .....Each **$4 00**

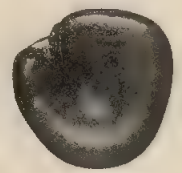
No. 150. A full-size, regulation model mitt. Ecru tan genuine horse hide face and fingers; black horse hide back and strip; leather laced edge; trap lacing at thumb; strap and buckle at wrist with hand protector; good padding. A good serviceable mitt. Wt. each, 2 lbs. .....Each **$3 00**

No. FP. This is a good practical mitt made on the same model as the professional styles; regulation size; mahogany horse hide face and fingers; black horse hide back; black leatherette strip; laced edge; strap and buckle at wrist. Wt. each, 1½ lbs. Each **$2 50**

CATCHERS' MITTS.

REACH.

No. 100. Made with cream horse hide face and fingers; black horse hide back and strip; bound edge; laced thumb; strap and buckle wrist; regulation size An excellent mitt for amateurs. Wt. each, 1½ lbs.....Each **$2 00**



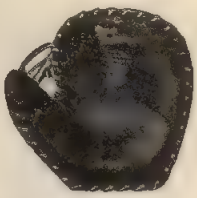
No. 75X. Back horse hide face, fingers and back; black leatherette strip; bound edge; strap and buckle wrist; laced thumb; full size Wt. each, 1½ lbs. .....Each **$1 50**

No. 65X. Youths' size. Cream horse hide face, fingers and back; leatherette strip; laced thumb; bound edge; strap and button at wrist. Wt. each, 12 ozs. .....Each **$1 00**

BASEMEN'S MITTS.

REACH.

No. 3BB—"Lou" Blue Model. Made of the finest Reaco oil-treated horse hide. Lined with soft pearl glove leather. A special hand-made pad is fitted into each mitt. The pocket is wide and deep and the trap thumb lacing allows the player to make further adjustment of depth of pocket; laced edge permits change of padding if desired; strap and buckle at wrist with hand protector. No breaking-in required. Wt. each, 1¼ lbs. .....Each **$10 00**



No. C—Joseph I. Judge Model. Made of the finest oil-treated Reaco horse hide; lined with soft pearl glove leather; the trap lacing between the thumb and face of mitt permits adjustment of depth of pocket; strap and buckle at wrist with hand protector under buckle; the laced edge allows change or adjustment of padding if desired. There are many other stars and hundreds of semi-pros and amateurs who use this model exclusively. Wt. each, 1¼ lbs.....Each **$9 00**

NOTE—When ordering Catchers' and Basemen's Mitts for use on right hand, specify full right.

CATCHERS' MASKS

Heavy black enameled steel wire, which will not chip off nor reflect the sun. Overhead strap and carefully formed chin and forehead rests. Four leather hair stuffed pads, neatly laced to frame.

Per Doz

No. 6M—Wt per doz about 22 lbs..... $114 00

One in cardboard box.

Steel wire, black enameled finish. Four leather, hair stuffed pads, laced to frame. Chin and forehead rests. Regular men's size.

Per Doz

No. 2M—Wt per doz about 15 lbs..... $100 80

One in cardboard box.

REACH

Heavy wire, bright finish. Two full length leather side pads laced to frame. Without head or chin piece.

Per Doz

No. CM—Youths' masks. Wt per doz about 8 lbs..... $41 55

One doz in cardboard box.

REACH

Steel wire, bright finish. Four leather, hair stuffed pads, laced to frame. Nicely fitted chin and forehead rests. Made in the same size and general style as the association mask.

Per Doz

No. XX—Amateur men's mask. Wt per doz about 11 lbs..... $67 20

One in cardboard box.

REACH

Heavy steel wire, black enameled. Well padded and extra strong. Patented elastic head band, green transparent sun shade.

Per Doz

No. 40S—Regulation mask. Wt per doz about 18 lbs..... $79 20

One in cardboard box.

REACH

Heavy steel wire, bright finish; well padded and extra strong. Fitted with transparent sunshade.

Per Doz

No. 20S—Wt per doz about 24 lbs..... $138 60

One in cardboard box.

CATCHERS' MASKS

REACH

Steel wire, permanently welded and finished in dull black enamel. Extra strong steel wire sides extended to protect ears. The open vision or wide sight feature, the self-conforming pads and the adjustable head straps win the approval of the catcher.

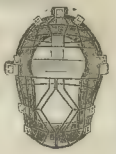
Per Doz

No. 5L—Wt per doz about 25 lbs..... $186 15

One in cardboard box.

REACH

Tempered steel wire, double frame with cantilever reinforcement wires; black enameled finish. Embodies the Spitter and open vision features; sides extend to protect ears; pads are adjustable by means of strap and buckle fastenings. Per Doz



No. 6W—Wt per doz 26 lbs..... $211 80

One in cardboard box.

REACH

One solid piece, light weight frame, special composition metal, that will withstand any shock or blow of ordinary use and affords greater vision and less shadow in catchers eyes. Full length face padding, strapped to frame and can be removed or adjusted as may be required.

Per Doz

No. JP—Wt per doz 29 lbs..... $386 10

One in cardboard box.

CATCHERS' MITTS

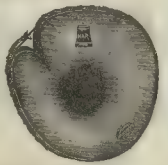
California chrome tanned calf leather; light brown color; asbestos padding; deep ball pocket; laced edge; patent adjustable wrist strap and buckle.

Per Doz

No. 1CM—Left hand..... $207 00

No. 1CM-RH—Right hand..... 207 00

One in cardboard box; wt per doz 30 lbs.



Selected cream color horsehide palm and fingers, black sheepskin back, full leather laced; strap and buckle adjustment at wrist; hand sewed felt padding. Full size professional model.

Per Doz

No. 10CM—Wt per doz about 24 lbs..... $117 00

One in cardboard box.

BAT BAGS

REACH

Heavy brown canvas, trimmed with strap leather.
Each
No. BB3—Club size; holds 6 bats ..... ✣$11 55

One in cardboard box; wt each 1½ lbs.

Extra heavy brown canvas, strap leather trimmed; leather capped ends; round leather handles; to buckle.
Each
No. BB1—Club size; holds 12 bats ..... ✣$15 45

One in cardboard box; wt each about 3¼ lbs.

UNIFORM BAGS

REACH

For base ball players, tennis players and athletes. The convenient packing of uniforms so they will not wrinkle and soil, and yet may be easily carried, is an important item to every player. Substantially made and have separate compartment for shoes, etc. Holds one complete uniform.

Best quality brown canvas; leather straps and handle.
Each
No. F—Wt each 4 lbs ✣$16 50

One in cardboard box.

Drab canvas, bound edges; leather handle and straps; with pocket for 1 bat.
Each
No. BU—Wt each 2½ lbs ..... ✣$14 40

One in cardboard box.

BODY PROTECTORS

—BELKNAP'S LEAGUE—

Good quality light weight imitation leather front, with high grade army khaki back; roll style leather binding; adjustable, elastic leather shoulder and back straps attached with non-rust nickel buckles.
Each
No. BP3—Wt each 4 lbs $14 25

One in cardboard box.

—BELKNAP'S PROFESSIONAL—

Front 8 oz. government khaki with twill back; roll style leather binding; adjustable, elastic shoulder and back straps attached with non-rust nickel buckles.
Each
No. BP4—Wt each 3 lbs $12 00

One in cardboard box.

✣F. O. B. Pennsylvania Factory Only.

BODY PROTECTORS

REACH

Men's size extra pad over shoulders; elastic shoulder strap; leather back straps; polished nickel buckles and snaps.
Each
No. S4—Khaki canvas; leather bound edge; wt each about 2 lbs ..... $ 9 00
No. S6—Extra heavy khaki canvas; leather bound edge; wt each about 4 lbs 16 50
No. SP—Extra heavy khaki canvas; laced edge; wt each about 4 lbs 19 80

One in cardboard box.

LEG GUARDS

REACH

Big League Model.

Fibre shin pieces with adjustable leather back; moulded fibre knee protectors; leather bottoms and hinge; flexible parts padded with white felt.
Per Pr
No. LG—Wt per pair 2¼ lbs $17 70

Wrapped in heavy paper.

BELKNAP'S

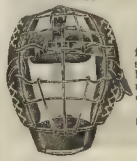
Heavy white duck shin pieces well padded with unbreakable rattan reeds that extend from instep and ankle to knee; sole leather knee caps reinforced with fibre, lined with napa leather and white felt. Flexible joint below knee cap.
Per Doz Pr
No. 1—Wt per doz pairs 36 lbs $207 00

Wrapped in heavy paper.

BELKNAP'S

Shin pieces extra heavy fibre, reinforced with leather and padded with white felt. Knee caps made of leather, lined with white felt; flexible leather padded joint below knee cap allows perfect freedom of action.
Per Doz Pr
No. 0—Wt per doz pairs 27 lbs $270 00

Wrapped in heavy paper.



CATCHERS' MASKS

Heavy drawn steel wire, dead black finish. Heavy, strong overhead strap; selected calf skin chin and forehead pieces. The soft and flexible material used easily adjusts itself and contusion is less liable to develop.
Per Doz
No. 1M—Wt per doz about 24 lbs $123 00

One in cardboard box.

Electric welded steel wire, shallow frame, with ear protectors and spitter hole; double reinforced eye wires, dull black enamel rubber finish. One continuous pad stuffed with hair and light elastic wool felt; laced with genuine rawhide to double reinforced pad holders; padded chin rest and neck protector. Best quality adjustable leather tipped double black elastic head bands.
Per Doz
No. 3M—Wt per doz about 25 lbs $147 00

One in cardboard box.

BASE BALL BATS.

LOUISVILLE SLUGGERS.

Baseball Bats are Not Guaranteed.

We carry a complete stock of Louisville Slugger bats in all grades for both the professional and amateur players. These bats are made of woods that will stand the test, having been thoroughly seasoned and air dried, giving them greater driving power and strength. In ordering bats, specify the model after the number of bat desired, viz., 40 Ty Cobb, 250 Babe Ruth, 125 Geo. Sisler, etc.

No. 250. No. 40K. No. 40. No. 125. No. 20. No. 10. No. 5. No. 40J. No. 16. No. 15. No. 11B. No. 13.

No. 250. Made from choicest select second growth ash; straight grain; weather seasoned; hand bone rubbed; dark finish. "Trade Mark" assorted models as follows: Babe Ruth and Geo. Sisler. Lengths, 32 to 36 inches; weights assorted 35 to 46 ounces. One in a paper bag; 1 dozen in a crate weighing about 38 lbs.....Each $2 50

No. 40K. Kork grip handle; made from the choicest second growth ash, with a new kork grip handle; on account of the yielding character of cork, it affords a perfect grip, absorbs perspiration, eliminates vibration and consequently will not sting the hands; assorted models. Autograph of players on each bat. Hand cured "oil tempered" finish. One in a paper bag; 1 dozen in a crate weighing about 33 lbs. .....Each $2 50

No. 40. Made from the choicest second growth ash; straight grain; hand turned; highly polished finish; none are genuine without "photo trade mark" transfer and autograph of celebrated players such as Ty Cobb, Eddie Collins, George Sisler, Bucky Harris, Geo. (Bingo) Kelly, Eddie Roush, Frank Frisch, Harry Heilmann, Roger Hornsby, Hazen Cuyler and Babe Ruth. Carried in stock in lengths, 32 to 36 inches; weights assorted, 36 to 46 ozs. One in a paper bag; 1 dozen in a crate, weighing about 33 lbs.....Each $2 00

No. 125. Oil Tempered. Made from choicest select second growth ash; straight grain; hand turned; special selection of assorted models from leading players such as Cy Williams, Duffy Lewis, Schulte, Ward, Babe Ruth, George Sisler, Tris Spenker, Eddie Collins, Ken Williams, Bucky Harris and Geo. (Bingo) Kelly. New hand cured oil tempered "Trade Mark" finish, which gives the wood a hard surface and great driving power. Lengths, 32 to 36 inches; weights assorted, 35 to 46 ozs. One in a paper bag; 1 dozen in a crate; weighing about 33 lbs.....Each $2 00

No. 20—Bing-go. Golden flame burnt, highly polished; assorted models. Lengths, 32 to 36 inches. One dozen, assorted weights, in crate, each bat in paper bag. Wt. about 33 lbs. .....Each $1 50

No. 10—Bing-go. Golden oil finish, highly polished; assorted models. Lengths, 32 to 36 inches. 1 dozen, assorted weights, in crate, each bat in paper bag. Wt ,about 33 lbs. Each $1 50

No. 5—Bing-go. Golden oil finish, highly polished; taped handle; assorted models. Lengths, 32 to 36 inches. 1 dozen, assorted weights, in crate, each bat in paper bag. Wt., about 33 lbs.....Each $1 50

No. 40J. Junior. Same as No. 40, only Junior size; length, 32 inches. Carried in Ty Cobb, Eddie Collins and Babe Ruth models. One in a paper bag, 1 dozen in a crate, weighing about 25 lbs. .....Each $1 00

No. 16. Burnt Oil Finish. Made of second growth ash, 32 to 35 inches long; new special flame burnt oil finish; hand turned; highly polished; taped grip; made in assorted models; assorted weights; one in a paper bag; 1 dozen in a crate, weighing about 33 lbs. .....Each $1 25

No. 15. Safe Hit. Natural finish; highly polished; made in assorted models, lengths and weights. One in a paper bag; 1 dozen in a crate, weighing about 33 lbs.....Each $1 25

No. 11B. Semi-Pro. Made of second growth ash, 32 to 35 inches long; new brown stain; white handle; highly polished; taped; with new transfer; one in a paper bag; 1 dozen in a crate, weighing about 33 lbs.....Each $1 00

No. 13. King of the Field. Taped handle; made of second growth ash, 32 to 35 inches long; new golden finish; highly polished; transfer; one in a paper bag; 1 dozen in a crate, weighing about 33 lbs.....Each $1 00

BASE BALL BATS.

REACH.

Base Ball Bats are Not Guaranteed.

Nos. 13/0 12/0 11/0 10/0 9/0 106 2/0 82 83 50A 87 HF 79

Burley Professional Model.

The very finest, specially selected, second growth, Northern White Ash is used in making the Burley Bats. Each bat is hand turned by an expert to make certain it will be perfect in every respect. Made in four styles of finish and in twelve Professional Models which combine the ideas of the leading professionals of the country.

No. 13-0. Dark brown finish with natural finish handle.....Each **$1 50**

No. 12-0. Hand rubbed natural oil finish; taped handle .....Each **$1 50**

No. 11-0. Dark brown finish; highly polished; plain handle....Each **$1 50**

No. 10-0. Flame burnt, yellow finish; taped handle .....Each **$1 50**

Dreadnaught.

Dark, polished finish with natural handle. Professional style taping on handle.

No. 9-0 .....Each **$1 50**

Miscellaneous.

No. 106—World Series. Made of selected, Northern, second growth White Ash. Flame burnt; yellow finish with high polish, plain handle. Lengths, 31 to 35 ins. Wts., 35 to 46 ozs. Each **$1 50**

No. 2-0—Boys' Burley. Yellow finish; flame burnt, high polish...Each **$1 00**

No. 82—Heavy Hitter. Second growth White Ash; steel gray finish; assorted models .....Each **$1 00**

No. 83—Men's' Size. Antique, dull finish .....Each **$0 50**

No. 50A—Youths'. Made of well seasoned White Ash, flame burnt, yellow finish ....Each **$0 50**

No. 87—Boys'. Made of White Ash. Varnished finish . ...Each **$0 25**

Fungo.

We offer two styles of Fungo bats. One is made of hard wood, long model, with narrow hitting surface. The other model is made of light weight wood with full hitting surface.

No. HF. Selected, second growth Northern White Ash; natural finish; oil rubbed; thin model....Each **$2 00**

No. 79. Light weight willow wood. Yellow finish; full-size model. Made in two lengths .....Each **$1 00**

Above bats packed one dozen in a crate Wt. crate, about 33 lbs.

FISHING FLOATS

REDFIELD PATENT

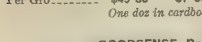
Barrel Shape.

Cork body, enameled in fancy colored stripes and varnished; wood stick through center with brass cap line holder on both ends, governed by a brass spring inside.

Nos.	2012-2½	2012-2¾	2012-3	2012-3½
Length, ins	2½	2¾	3	3½
Wt per gro, lbs	4	4½	5¾	6
Per Gro	$49 50	57 00	72 00	79 50

One doz in cardboard box.

GOODSENSE, Barrel Shape.

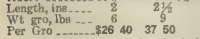


Solid cork, painted red and green; varnished dowels with Goodsense line holder. Goodsense holder is simply a soft copper wire run through the dowel and ties like a string, making the line absolutely fast and can be moved up and down at will.

Nos.	BPGS-2	BPGS-2½	BPGS-2¾	BPGS-3	BPGS-3½
Length, ins	2	2½	2¾	3	3½
Wt gro, lbs	6	9	10½	12	14½
Per Gro	$26 40	37 50	40 20	52 80	60 00

One doz in box.

Zebra Pilot Ball Cork Floats.



Striped, barrel shaped, with pilot ball; wood top; has yellow background and is black striped, with two stripes of red and one green in the center.

Nos.	ZPB2½	ZPB3	ZPB3½
Length float, ins	2½	3	3½
Wt per gro, lbs	6	7	9
Per Gro	$47 40	66 00	75 00

One doz in cardboard box.

WINONA

Hollow celluloid, in fast assorted colors; will not shrink, swell, crack or peel; can be used either adjustable on line for cane pole or as a slip line float with casting rod.

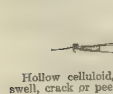
Per Doz

No. 7—Length over all 7½ ins $6 00

One doz in cardboard box, assorted colors; wt per doz ½ lb.

CORK BALLS

Fine quality cork, natural finish, with hole.



Varnished.

Nos.	1CB-1½	1CB-1¼
Diam, ins	1⅛	1¼
Wt gro, lbs	1	1¾
Per Gro	$11 25	13 80
Nos.	**1CB-1⅜**	**1CB-1½**
Diam, ins	1⅜	1½
Wt gro, lbs	2½	3¼
Per Gro	$14 40	20 40

Unvarnished.

Nos.	2CB-1¼	2CB-1½	2CB-1⅜	2CB-1½
Diam, ins	1⅛	1¼	1⅜	1½
Wt gro, lbs	1	1¾		
Per Gro	$8 70	10 50	12 60	15 90
Nos.	**2CB-1⅜**	**2CB-2**	**2CB-2½**	**2CB-3**
Diam, ins	1⅜	2	2½	3
Wt gro, lbs	3½	4	4½	6
Per Gro	$23 10	37 50	63 00	93 00

Three doz in box.

CORK FLOATS

Barrel Shape.

Best quality solid cork, natural finish; adjustable to any part of line by means of removable wooden peg extending through float.

Nos.	25-2	25-2½	25-2¾	25-3
Length, ins	2	2½	2¾	3
Wt per gro lbs	1½	1⅞	2	2¼
Per Gro	$18 00	23 10	26 40	31 50

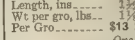
One doz in cardboard box.

Egg Shape.

Best quality solid cork, natural finish; adjustable to any part of line by means of removable wooden peg extending through float.

Nos.	20-1½	20-1⅝	20-2	20-2¼	20-2½
Length, ins	1½	1⅝	2	2¼	2½
Wt per gro, lbs	1½	1⅝	1¾	2	2⅝
Per Gro	$13 20	16 50	21 60	27 75	37 50

One doz in cardboard box.

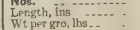


Best quality solid cork, natural finish. Has reed stem running thru float.

Nos.	200-2½	200-2¾	200-3
Length, ins	2½	2¾	3
Wt per gro, lbs	1¾	2	2¼
Per Gro	$37 50	39 00	48 00

One doz in cardboard box.

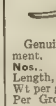
FISHING FLOAT QUILLS



Genuine porcupine quills, highly polished; plain line attachment.

Nos.	110-5	110-6	110-7	110-8	110-9	110-10
Length, ins	5	6	7	8	9	10
Wt per gro, lbs	5/16	3/8	7/16	½	⅝	1
Per Gro	$24 00	28 20	33 00	38 25	36 00	49 50

Six doz in cardboard box.



BASS SINKERS

Pflueger, Casting.

Swivel pin of strong spring tempered brass wire extends through sinker with a solid brass cone washer bearing on which the head of the pin swivels or spins.

Nos.	Per Gro	Length ins	Wt each, ozs
798-3	$15 75	15/16	1⅝
798-4	12 45	1 1/16	1 1/16
798-5	10 20	1 1/16	⅝
798-6	9 30	1 1/16	½
798-7	8 70	1 1/16	⅜
798-8	8 70	1 1/16	¼
798-9	8 40	⅞	3/16
798-10	8 40	⅞	⅛

One doz in box.

RED CROSS LINE CIDER MILLS AND FRUIT PRESSES

Frames are of Tough Hardwood. Troughs are Made of Poplar which Gives No Odor or Taint Cold Rolled Steel. The Press Screw has Machine Cut Threads Which Will Not Strip

Press Levers are Straight-Grained Ash Shafts and Press Screws are of All Wood Parts Varnished, Metal Parts Painted Gray Trimmed in Gold.

FRUIT PRESSES
"Red Cross" Ratchet-Top

Ratchet Head with Hand Pin for Quick Turning and Steel Press Bar for Great Leverage All Castings Are Semi-Steel The Upright Side Posts, Press Screw and Press Lever are Cold Rolled Steel Cross Head and Trough are Bolted Together by Steel Bars or Side Posts Tub Slats are Thick Hardwood and Fastened with Bolts to Heavy Iron Bands Tubs are Hooped Machining Carefully Done and Semi-Steel Parts Painted 3 Iron Feet, Which Can be Bolted to Floor

Nos.	Size, Tub Inside	Size Screw Dia.	Wt. Each Lbs.	
✠10	14x14	1¼x16	245	
✠20	16x16	2 x23	335	
✠30	22x22	2 x30	475	

Shipped completely assembled

✠For shipment from factory only.

✠F. O. B. Bufton, Ind.

HOOSIER FRUIT PRESSES

Presses have Semi-Steel Cross-Heads and Machine Cut Steel Screws Frames and Feet are Made of 2 Inch Material

Size A

Height of Legs 36 Inches, Size of Tub 10 x 10 In. Outside

Each

✠No. A

Shipped Completely Assembled. Weight 80 Lbs.

Size B

Height of Legs 36 Inches. Size of Tub, 10 x 16 In. Outside.

Each

✠No. B

Shipped Completely Assembled. Weight 90 Lbs.

Size C

Height of Legs 42 Inches. Size of Tub, 13½ x 12 In. Outside

Each

✠No. C.

Shipped Completely Assembled Weight 90 Lbs.

Size D

Height of Legs 44½ Inches, Size of Tub, 15½ x 14 In. Outside

Each

✠No. D.....

Shipped Completely Assembled. Weight 11 Lbs.

✠For shipment from factory only.

✠F. O. B. Bluffton, Ind.

CIDER MILLS

Junior and Medium Cider Mills Two Very Popular Sizes. They are Easily Operated and Equipped with Cranks for Hand Operation Fitted with Heavy Balance Wheel 16 Inches in Diameter The Mills can be Equipped with a 2¼ x 15 Inch Pulley for Power Operation Patented Red Cross Self-Aligning Bearings.

Junior

Legs 36 in High Press Screw, 1¼ x 18½ In. 2 Tubs Plain One Piece Construction, 8½ In High 12 In Diameter Press Capacity, 4 to 6 Bushels of Apples per Hour.

Each

✠No. J . . . . .

Shipped Completely Assembled. Weight 180 Lbs.

Medium

Legs 40 Inches High Press Screw 1¾ In. x 20½ In. 2 Tubs Plain One Piece Construction, 12 Inches High, 14 Inches Diam. Capacity 10 to 12 Bushels of Apples per Hour.

Each

✠No. M.....

Shipped Completely Assembled Weight 225 Lbs

Senior

This is a Large, Powerful Mill Two Cranks make Hand Operation Easier A Pulley Accommodating a 3½ Belt is Furnished for Power Operation Press Screw and Cross Head are Extra Heavy Patented Red Cross Self-Aligning Bearings

Legs 40 Inches High Press Screw 2 x 23 ½ Inch, Pulley 3½ In x 18 In Tubs Plain One-Piece Construction 14 Inches High, 17 Inches Diameter Capacity 15 to 18 Bushels of Apples per Hour.

Each

✠No. S

Shipped Completely Assembled, Weight 340 Lbs.

Fruit Crushers

Barnes High-Grade Construction of the Red Cross Apple Crusher Has Patented Self-Aligning Bearings and the Patented Locked Assembly of Gears and Rolls. Rolls are 5½ In. Diameter and 20 In Long Hopper is 21 x 20 Inches at Top and 8 Inches Deep Principal Measurements Not Including Balance Wheel, 28 Inches Long, 21 Inches Wide and 18 Inches High.

Each

✠No. 100 Crusher . . . . .

Shipped Completely Assembled. Weighs 100 Lbs

Improved Self-Feed Cider Mill

No Complicated Parts Large Balance Wheel Makes Operating easy. It is Single Tub Mill will handle All Sizes of Apples without Changing or Being Operated. Two Adjusting Plates One for Brittle Apples, the Other for Tough Dry Apples. Tapering Design Imparts Strength and Stability Bolted on Braced Feet Machined Heavy Iron Cross-head. Four Heavy Bolts Receive Support from the Steel Bandsaw of Legs

Legs 40 Inches High, Tub, 14 Inches Wide, 12 Inches High Outside Press Screw 1¾ x 24½ In. Capacity 5 to 7 Bushels of Apples per Hour

Each

✠No. SF . . . . .

Shipped Completely Assembled Weight 136 Lbs

Hinged Tubs Can be Supplied for All Four Mills at a Slight Additional Cost.

FRUIT PRESSES

Heavy Iron Cross Heads Frames are Solidly Bolted Together Troughs are Wide and Deep Tubs are Capacious. Presses will Withstand Great Pressure.

No. 1000 Press Height of Legs, 36 Inches Tub 10 Inches High, 12 Inches Diameter Press Screw 1¾ In. x 18½ In

Each

✠No. 1000 . . . . .

Shipped Completely Assembled Weight 73 Lbs

Hinged Tub at Slight Additional Cost

No. 2000 Press

Height of Legs, 40 Inches, Tub 12 In. High, 14 In Diameter Press Screw 1¾ x 20 In. Regularly Equipped with Hinged Tubs.

Each

✠No. 2000 . . . . .

Shipped Completely Assembled Weight 105 Lbs.

No. 3000 Press

Height of Legs, 46 Inches, Tub, 14 In. High 17 In. Diameter Press Screw 2 x 23½ In. Regularly Equipped with Hinged Tubs.

Each

✠No. 3000 . . . . .

Shipped Completely Assembled. Weight 180 Lbs.

No. 5000 Press

Extra Heavy Construction Legs are 50 Inches High, 6 Inches Wide and 3 Inches Thick Tub, Hinged 21 In., Diameter and 18 Inches High, Press Screw 2 x 23½ In.

Each

✠No. 5000 . . . . .

Shipped Completely Assembled. Weight 345 Lbs.

✠For shipment from factory only, F. O. B. Bluffton, Indiana.

Hoosier

Aluminum Roll, 4½ x 9 In with 12 Rows of Teeth Meshes Closely with the Teeth on the Side Plates Crank is 9½ In Long. Cutting Plenty of Leverage Hopper is 19½ In Square at the Top, and 8 Inches Deep Rack 32 Inches Long and 11 Inches Apart Wood Work Varnished.

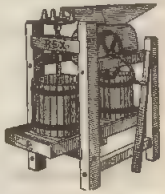
Each

✠No. 200 Hoosier

One in a Crate Weight 40 Lbs

CIDER MILLS
Rax

Solidly Constructed of Selected Woods, Frame Mortised, Tennoned and Reinforced with Steel Rods. Tubs of Heavy Hardwood Slats Riveted to Two Steel Bands. Steel Screws. Cast Iron Parts Carefully Machined. Attractively Finished.



With Laminated Wood Rolls and Serrated Knives

Nos.	Cap Per Day Bbls.	Weight	Size Tubs, Ins.	Each
*Junior	2 to 4	170 lbs.	10 x12	
*Medium	4 to 6	250 "	13x14	
*Senior	6 to 8	360 "	15x14	

Each

* No. HT—Extra Hinge Tub for Any of Above . .

* No. F—Pulley for Any of Above

F. O. B. York, Pa.

* For Shipment from Factory only

Single Tub Mill

Cap. Per Day—1 to 2 Bbls. Weight 130 Lbs., Size of Tube Inside 12¼ x 12 Ins. Diam. of Screws 1¾ Ins.

Each

* No. S1.....

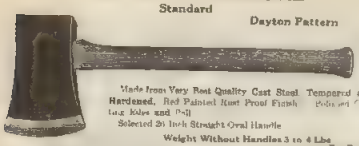
F. O. B. York, Pa.

* For Shipment from Factory only

MINERS' SINGLE BIT HANDLED AXE

Standard

Dayton Pattern

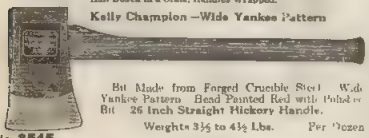


Made from Very Best Quality Cast Steel Tempered and Hardened. Red Painted Rust Proof Finish Polished Cutting Edges and Poll
Selected 26 Inch Straight Oval Handle
Weight Without Handles 3 to 4 Lbs Per Dozen

No. 93

Half Dozen in a Crate, Handles Wrapped.

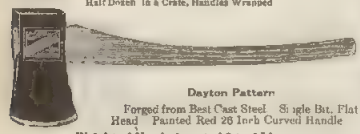
Kelly Champion —Wide Yankee Pattern



Bit Made from Forged Crucible Steel Wide Yankee Pattern Head Painted Red with Polished Bit 26 Inch Straight Hickory Handle.
Weights 3½ to 4½ Lbs. Per Dozen

No. 3545

Half Dozen in a Crate, Handles Wrapped



Dayton Pattern

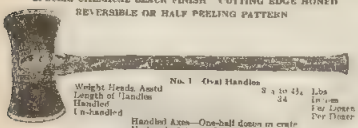
Forged from Best Cast Steel Single Bit, Flat Head Painted Red 26 Inch Curved Handle
Weight of Heads Assorted 3 to 4 Lbs.
Per Dozen

No. Standard . . . . . .

DOUBLE BIT AXES
Kelly's Flint Edge

SPECIAL CHEMICAL BLACK FINISH CUTTING EDGE HONED

REVERSIBLE OR HALF PEELING PATTERN



No. 1 Oval Handles

Weight Heads, Assrtd	3 to 4½	Lbs
Length of Handles	34	Inches
Handled		Per Dozen
Un-handled		Per Dozen

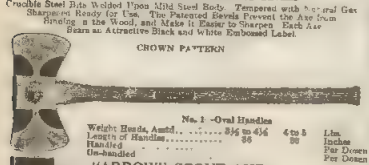
Handled Axes—One-half dozen in crate
Un-handled Axes—One dozen in a box

Kelly's Perfect

FULL POLISHED WITH RUFF PAINTED BEVELS

Crucible Steel Bits Welded Upon Mild Steel Body. Tempered with Natural Gas Sharpened Ready for Use. The Patented Bevels Prevent the Axe from Binding in the Wood, and Make it Easier to Sharpen Each Axe Bears an Attractive Black and White Embossed Label.

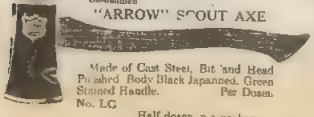
CROWN PATTERN



No. 2 -Oval Handles

Weight Heads, Assrtd	3½ to 4½	4 to 5	Lbs.
Length of Handles	36	36	Inches
Handled			Per Dozen
Un-handled			Per Dozen

"ARROW" SCOUT AXE

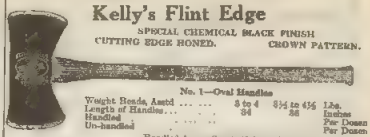


Made of Cast Steel, Bit and Head Polished Body Black Japanned, Green Stained Handle. Per Dozen.
No. LC

Half dozen in a package

DOUBLE BIT AXES
Kelly's Flint Edge

SPECIAL CHEMICAL BLACK FINISH
CUTTING EDGE HONED. CROWN PATTERN.

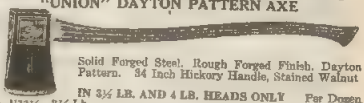


No. 1—Oval Handles

Weight Heads, Assrtd	3 to 4	3½ to 4½	Lbs.
Length of Handles	34	36	Inches
Handled			Per Dozen
Un-handled			Per Dozen

Handled Axes—One-half dozen in crate.
Un-handled Axes—One dozen in a box.

"UNION" DAYTON PATTERN AXE



Solid Forged Steel. Rough Forged Finish. Dayton Pattern. 34 Inch Hickory Handle, Stained Walnut

IN 3½ LB. AND 4 LB. HEADS ONLY Per Dozen

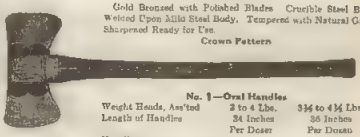
No. U33½—3½ Lb.
No. U.34—4 Lb.

Half dozen in a Crate

Robert Mann

Gold Bronzed with Polished Blades Crucible Steel Bits Welded Upon Mild Steel Body. Tempered with Natural Gas Sharpened Ready for Use.

Crown Pattern



No. 1—Oval Handles

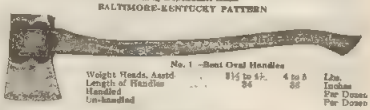
Weight Heads, Assrted	2 to 4 Lbs.	3½ to 4½ Lbs.
Length of Handles	34 Inches	36 Inches
	Per Dozen	Per Dozen

Handled
Unhandled

SINGLE BIT AXES
Red Warrior

PAINTED RED WITH GOLD BORDER. POLISHED BIT AND HEAD
Crucible Steel Bit, Welded Upon Mild Steel Poll, the Recognized Best Method of Making Dependable Axes.

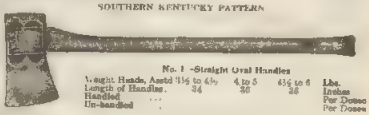
BALTIMORE-KENTUCKY PATTERN



No. 1 -Bent Oval Handles

Weight Heads, Assrtd	3½ to 4½	4 to 5	Lbs.
Length of Handles	34	36	Inches
Handled			Per Dozen
Un-handled			Per Dozen

SOUTHERN KENTUCKY PATTERN



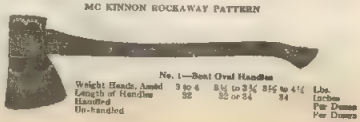
No. 1 -Straight Oval Handles

Weight Heads, Assrtd	3½ to 4½	4 to 5	4½ to 6 Lbs.
Length of Handles	34	36	36 Inches
Handled			Per Dozen
Un-handled			Per Dozen

No. 1 Bent Oval Handles

Weight Heads, Assrtd	3½ to 4½	4 to 5	4½ to 6 Lbs.
Length of Handles	34	36	36 Inches
Handled			Per Dozen

MC KINNON ROCKAWAY PATTERN



No. 1—Bent Oval Handles

Weight Heads, Assrtd	3 to 4	3½ to 3¾	3¾ to 4½ Lbs.
Length of Handles	36	35 or 34	34 Inches
Handled			Per Dozen
Un-handled			Per Dozen

REGAL TALKING MACHINE RECORDS

LITTLE TOTS' NURSERY TUNES

7 Inch—Double Disc—Lateral Cut with Selections on Both Sides.

Book consists of 4 records, 8 different selections with 8 colored picture and verse cards.

BOOK SIX, The Lullaby Book.

Consists of the following numbers:

115 **The Sandman.** SLUMBER POST
116 **Go To Sleep My Little Pickaninny.** THE DREAM MAN.
117 **Sweet and Low.** DOLL SONG.
126 **Lullaby** (Erminie). BIRDIES LULLABY.

Per Book
No. 6 —Complete as described 1 89
$1 00

BOOK SEVEN, The Patriotic Book.

Consists of the following numbers:

118 **Star Spangled Banner.** COLUMBIA THE GEM OF THE OCEAN.
119 **America.** DIXIE.
120 **Yankee Doodle.** HAIL COLUMBIA.
127 **America.** BATTLE HYMN OF THE REPUBLIC.

Per Book
No. 7—Complete as described 1 89 *$1 00*

BOOK EIGHT, The Medley Book.

128 **Hey, Diddle Diddle; Goosey, Goosey, Gander; Little Miss Muffet. Alphabet Song.** SEE SAW; HOT CROSS BUNS; TO BED, TO BED; BEAN PORRIDGE HOT.
129 **Little Jack Horner; There Was A Crooked Man; Little Tommie Tucker. Georgie Porgie.** THREE BLIND MICE; HIGGILTY PIGGILTY; LAVENDER'S BLUE; HOBBY HORSE
130 **Humpty Dumpty; Mistress Mary; Pop goes The Weasel; Baby Bunting.** DING DONG BELL; DIDDLE DIDDLE DUMPLING; TO BABYLAND; DICKORY DICKORY DOCK.
131 **Little Boy Blue; Fiddle Dee Dee; Pat-a-Cake; Polly Put The Kettle on.** BAA! BAA! BLACK SHEEP; BOBBY SHAFTO; RIDE A COCK-HORSE; PUSSEY CAT, PUSSY CAT.

Per Book
No. 8—Complete as described 1 89 *$1 00*

BOOK NINE, The "Sunshine" Book.

Consists of the following numbers:

132 **Oh Dear, What Can the Matter Be.** THE JOLLY MILLER.
133 **Twinkle, Twinkle Little Star.** GOOD MORNING MERRY SUNSHINE.
134 **The House That Jack Built.** THE PHOUGH BOY IN LUCK.
135 **A Frog He Would A Wooing Go.** THE DOG AND CAT.

Per Book
No. 9—Complete as described 1 89 *$1 00*

All above packed six books in box.

GENNETT TALKING MACHINE RECORDS

10 inch—Double Disc—Lateral Cut with Selections on both sides.

Made in 10 inch size and can be played on all machines having Universal Tone Arm. Can be played on Victor and Columbia Machines without any change of attachment. Every selection recorded is chosen by musical experts played and sung by artists especially selected for their delicate work.

Write for our special Talking Machine Record Catalog. It contains the latest pieces and are reproduced by Nationally known artists.

Doll Assortment

N73284—ASSORTMENT OF DOLLS—With crying voices, large composition heads with painted hair and eyes, composition hands, two-piece dress trimmed with lace and cap to match. Height, 20 inches. Packed three dozen assorted in a case ..... 45.00 (Per asst.)

Hand Clapping Dolls

N73303—HAND CLAPPING DOLL—Composition head with painted hair and eyes, composition hands, long white dress trimmed with lace. Squeeze the doll and it will cry and clap hands. Length, including dress, 16 inches. Packed one in a box..... 2.68 (Each)

Lucky Lindy

N73338—LUCKY LINDY DOLL—Dressed in aviator's suit and helmet. Composition head and hands, painted hair and eyes. Height, 12 inches. One in a box..... 10.80 (Per doz.)

No Voice Dolls

N72285—DOLL—Composition head with painted hair and eyes, full composition arms, WITHOUT VOICE, two-piece dress. Height, 12 inches. Packed one dozen in a box, not broken ..... 4.00 (Per doz.)

N72281—DOLL—Composition head with painted hair and eyes, full composition arms, romper dress, WITHOUT VOICE. Height, 12 inches. Packed one dozen in a box, not broken ..... 4.00 (Per doz.)

Infant Dolls

N73266—BABY DOLL—With long white dress, crying voice, composition head and hands, painted hair and eyes. Length over all, 14 inches. Packed one dozen in a box, not broken ..... 8.00 (Per doz.)

N73268—BABY DOLL—Extra large composition head with painted hair and eyes, composition hands, crying voice. Long white dress trimmed with lace and ribbon. Length, including dress, 23 inches. Packed ½ dozen in a box, not broken..... 17.50

N73267—BABY DOLL—With long white dress trimmed with lace and ribbon, crying voice, composition head and hands, painted hair and eyes. Length, including dress, 21 inches. Packed one in a box. 16.00

N73269—BABY DOLL—With moving eyes, crying voice, composition head and hair, painted hair with long white dress trimmed with lace and ribbon. Length, including dress, 24½ inches. Packed one in a box 18.00

Cutie Bisque Doll

N73300—BISQUE DOLL—Arm joint, vamp design. Height, 3½ inches. Packed two dozen in a box, not broken ..... .80 (Per doz.)

N73301—BISQUE DOLL—Arm joint, vamp design. Height, 5 inches. Packed one dozen in a box, not broken 1.80

N73302—BISQUE DOLL—Arm joint, vamp design. Height, 6½ inches. Packed ½ dozen in a box, not broken 2.50

Sweet Face Baby

N73303—BISQUE DOLL—Girl with fancy wig, arm joint. Height, 5½ inches. Packed two dozen in a box, not broken..... .90 (Per doz.)

N73304—BISQUE DOLL—Girl with fancy wig, arm joint. Height, 8 inches. Packed one dozen in a box, not broken..... 1.60

N73308—BISQUE DOLL—Girl with fancy wig, arm joint, dressed with pink and blue silk skirt. Height, 9½ inches. Packed ½ dozen in a display box, not broken. ..... 4.00 (Per doz.)

Jointed Baby Dolls

N73600—BISQUE DOLL—Full joint, painted shoes and stockings. Height, 4 inches. Packed two dozen in a box, not broken..... .80 (Per doz.)

N73807—BISQUE DOLL—Full joint, painted shoes and stockings, blue ribbon in hair. Height, 5½ inches. Packed one dozen in a box, not broken 1.60

Jointed Dolls With Hair

N73508—BISQUE DOLL—Full jointed, with wig. Height, 4 inches. Packed two dozen in a box, not broken ..... .80 (Per doz.)

N73509—BISQUE DOLL—Full joint, with wig. Height, 5 inches. Packed one dozen in a box, not broken..... 1.60

Rolly-I-Tots

N73528—ASSORTED BOY AND GIRL BISQUE DOLL—Painted features and clothing, turning heads, rolling eye feature, each doll holds a flower in its hand. Height, 2¾ inches. Packed ½ dozen in a box, not broken ..... 1.28 (Per doz.)

N73529—ASSORTED BOY AND GIRL BISQUE DOLL—Painted features and clothing, turning heads, rolling eye feature, each doll holds a flower in its hand. Height, 3½ inches. Packed ½ dozen in a box, not broken ..... 4.00 (Per doz.)

Little Annie Rooney

N73530—LITTLE ANNIE ROONEY DOLL—Composition wooden hair, and red Tarn-o-shanter Dixie Doll, with eye features, colored painted flowers on dress and stockings, jointed arms. Height, 5 inches. Packed ½ dozen in a box, not broken ..... 4.00 (Per doz.)

Bisque and Celluloid Dolls

Bisque Boys and Girls

Per doz.
N73564—BISQUE DOLLS—Boy and girl, boy with painted suit and holding skate, girl with painted suit and holding doll. Length, 4½ inches. Packed one dozen in a box, not broken 1.80

Bisque Dolls With Flowers

Per doz.
N73565—BISQUE DOLLS—Six assorted new-type dolls in a display box with moving head, each one painted differently in bright colors and holding artificial flowers. Length, 3½ inches. Packed ½ dozen in a display box, not broken 1.00

Butter Cup

Per doz.
N73642—BUTTERCUP DOLL—Bisque figure of well-known cartoon. Has curving head, painted features and bright painted clothes. Length, 2½ inches. Packed ½ dozen in a box, not broken 4.00

Bisque Baby Dolls

Real Hair

Per doz.
N73595—BISQUE BABY. With long braided wig. Wire jointed arms and legs, painted eyes and features. Length, 5½ inches. Packed one dozen in a box, not broken 1.50

Painted Hair

Per doz.
N73584—BISQUE BABY—Jointed arms and legs. Painted hair and eyes. Length, 4 inches. Packed three dozen in a box, not broken .50

Celluloid Doll Assortment

Per doz.
N73566—CELLULOID DOLLS—Four assorted dolls, novelty designs, brilliant colors. Length, 5 inches. Packed two dozen in a box, not broken 1.60

Bye-Lo Baby Dolls

Per doz.
N73535—BISQUE BYE-LO BABY DOLL—Painted hair, painted eyes, and features, jointed arms and legs with painted shoes and stockings. Length, 4 inches. Packed one dozen in a box, not broken 4.00

N73536 Same. Length, 5½ inches. Packed one in a box 8.00

N73537 - Same. Length 7½ inches. Packed one in a box 16.00

N73546—CELLULOID BYE-LO BABY DOLL—Has painted hair and painted eyes, jointed arms and legs. Length, 3½ inches. Packed one dozen in a box, not broken 4.00

N73547—Length 5½ inches. Packed ½ dozen in a box, not broken 8.00

N73538 N73539

Per doz.
N73539—BISQUE BYE-LO BABY DOLL—Painted hair, moving eyes, painted features, turning head, jointed arms and legs, painted shoes and stockings. Length, 4½ inches. Packed ½ dozen in a box, not broken 8.64

N73538—Same as N73536. Length, 6 inches. Packed ½ dozen in a box 16.00

Per doz.
N73541—BISQUE BYE-LO DOLL—With hair, moving eyes, jointed arms and legs, painted shoes and stockings. Height, 5½ inches. Packed ½ dozen in a box 16.00

N73546 Same. Length, 4½ inches. Packed ½ dozen in a box, not broken 8.00

Bisque Babies With Wigs and Moving Eyes

Per doz.
N73547—PRIZE BABY BISQUE DOLL—Blue side parted wig with bow, moving eyes, jointed arms and legs, painted shoes and stockings. Length, 4½ inches. Packed ½ dozen in a box 4.00

N73544 - Same. Length, 5½ inches. Packed ½ dozen in a box 8.00

N73548 - Same. Length, 6½ inches. Packed ½ dozen in a box 12.00

Celluloid Bathing Girl Dolls

Per doz.
N73567—CELLLLOID DOLL—Fancy, brilliant colors, bathing suit and cap. Length, 5 inches, three assorted. Packed ½ dozen in a box, not broken 4.00

Per doz.
N73568—CELLULOID DOLL—Vamp style, fancy bathing suit design. Length, 6 inches. Packed ½ dozen in a box, not broken 4.00

Vamp Celluloid Doll

Per doz.
N73514—VAMP STYLE CELLULOID DOLL—Arm joint, with right arm show as pointing finger. Length, 6 inches. Packed two dozen in a box, not broken 1.50

Kewpie Doll

Per doz.
N73579 BISQUE KEWPIE DOLL—With moving arms painted features. Length, 4½ inches. Packed one dozen in a box, not broken 4.00

N73580—PYROXOLINE KEWPIE DOLL—Painted features, movable arms. Length, 4½ inches. Packed one dozen in a box, not broken .. 4.00

Celluloid Felix

Per doz.
N73633—CELLULOID FELIX—Black celluloid Felix, mouth and eyes are white. Stands in walking position with hands behind his back. Length, 2 inches. Packed three dozen in a box, not broken 9.00

N73534 — Same as N73513. Length, three inches. Packed one dozen in a box, not broken 19.20

"Bent Leg" Jointed Dolls

Per doz.
N73517—CELLULOID DOLL—Jointed arms and legs. Length, 4 inches. Packed two dozen in a box, not broken ..... .80

N73516 Same. Length, 4½ inches. Packed one dozen in a box not broken 1.60

N73519 — Same. Length, 8 inches. Packed ½ dozen in a box, not broken 4.00

Celluloid School Girl Doll

Per doz.
N73569—SCHOOLGIRL CELLULOID DOLL—New design, very brilliant colors, representing school girl carrying school bag and lunch. Three assorted. Length, 7 inches. Packed ½ dozen in a box, not broken 4.00

Rolling Eye Doll

Per doz.
N73520 — CELLULOID DOLL — With jointed arms, rolling eyes. Length, 5 inches. Packed one dozen in a box, not broken 1.60

A Sign that points the way TO GREATER PROFITS!

Let Us Send You One

This sign over your work bench is a constant reminder to check timing chains for possible replacements. Put it to work and watch the profits grow. Your customers will also benefit. Replacing the chain in time may save a towing bill.

The "Arched" Link

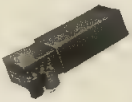
The principle of the arch is applied to the shape of Duckworth links. The result is a much stronger link at points of greatest strain. Duckworth chains run smoother and wear longer.

Uniform Wear on the Sprocket Teeth

Ground link surfaces on DUCKWORTHS secure even wear on the sprocket teeth. The uniformity of each link produces even pull on the pins Replace with Duckworths

Individually Packed

Every Duckworth chain is wrapped in oil paper and packed individually in a strong fibre container. Send for one of the "reminder" signs and we will include a copy of the new timing chain handbook containing the latest data on 1927 cars.



DUCKWORTH

Shock Absorbing

SILENT TIMING CHAIN

Duckworth Chain and Mfg. Co.
Springfield, Mass.

Please send me one of the "reminder" signs and a copy of the new timing chain handbook.

Name .....

Company .....

City .....

State .....

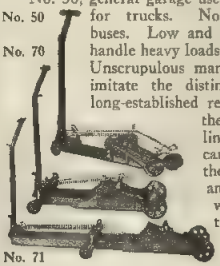
A T J.-10

For the Light Car

No. 14

This is a fast-acting balloon tire jack of one-ton capacity. Lifts 9½ inches. Positive, long-handled control. No need for manual adjustment. Operator places jack in position with handle. A wonderful seller. A splendid jack for general service. All Reliable Jacks are red, but not all red Jacks are Reliables—or reliable. Look for the trade mark before buying.

Ask us about these powerful, hydraulic, heavy-duty, service jacks. No. 50, general garage use. No. 70, for trucks. No. 71 for buses. Low and long, they handle heavy loads with ease. Unscrupulous manufacturers imitate the distinctive and long-established red color of the Reliable line, but they cannot equal the stamina and genuine worth of these jacks.



No. 50

No. 70

No. 71

Northwestern Branch:
G. A. Ashton Co.,
St Paul, Minn.
(Complete stock carried in Ashton Bldg.)

Southwestern Branch:
The Carroll Co.,
Dallas, Texas.
(Complete stock carried in Carroll Warehouse.)

Sales Representatives.
Motor Products Co.
148 Church St.
New York, N. Y
McEwen Cherry Co.
1119 Nashville Trust Bldg.
Nashville, Tenn.
A. E. Mehrig
1450 Pine St.
San Francisco, Calif
Edw. S. Allis Co.
819 Berkeley St.
Boston, Mass.

Elite Manufacturing Company, Ashland, Ohio

Send for our Catalog—"A Jack for Every Purse and Purpose"

RELIABLE BALLOON TIRE JACKS

REVOLVERS

U. S.

Hammerless.

Automatic shell ejection; center fire; double action; rubber stocks; 3 inch barrel.

32 Caliber, 5 Shot.

Chambered for 32 S. & W. cartridges.

	Each
No. U3423—Nickel plated	$23 85
No. U30423—Blued	25 65

One in cardboard box; wt each 15 ozs.

38 Caliber, 5 Shot.

Chambered for 38 S. & W. cartridges.

	Each
No. U3483—Nickel plated	$23 85
No. U30483—Blued	25 65

One in cardboard box; wt each 21 ozs.

Hammer.

Double action, solid frame; rubber handle; 2½ inch barrel.

22 Caliber, Rim Fire, 5 Shot.

Chambered for 22 short, 22 long and 22 long rifle cartridges.

	Each
No. U322—Nickel plated	$11 40
No. U3022—Blued	11 40

32 Caliber, Center Fire, 5 Shot.

Chambered for 32 S. & W. cartridges.

	Each
No. U332—Nickel plated	$11 40
No. U3032—Blued	11 40

38 Caliber, Center Fire, 5 Shot.

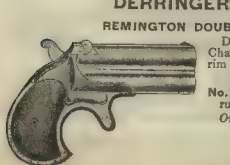
Chambered for 38 S. & W. cartridges.

	Each
No. U338—Nickel plated	$11 40
No. U3038—Blued	11 40

One in cardboard box.

DERRINGERS

REMINGTON DOUBLE



Double barrel; 2 shot. Chambered for 41 short rim fire cartridges.

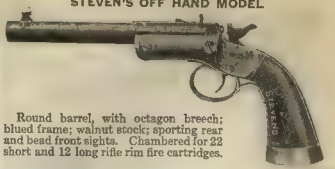
Each

No. 0241—Blued, rubber stock $30 30

One in box; wt each 11 ozs.

TARGET PISTOLS

STEVEN'S OFF HAND MODEL



Round barrel, with octagon breech; blued frame; walnut stock; sporting rear and bead front sights. Chambered for 22 short and 12 long rifle rim fire cartridges.

	Each
No. 35-6—6 in barrel	$29 25
No. 35-8—8 in barrel	31 50

One in cardboard box; wt each 1¼ lbs.

LIQUID PISTOLS

DAISY

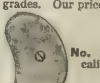
Blued steel finish. Simple to load and discharge, no rubber bulb to get out of order. Designed after the latest automatic pistol. Throws a fine stream of water a distance of 25 feet. When dilute ammonia is used, it makes a very effective weapon against vicious dogs or other animals.

	Per Doz
No. 8LP—Length 5½ ins; wt each 5½ ozs	$6 30

One in cardboard box; one gro in case.

PEARL STOCKS

Pearl (properly speaking, Mother of Pearl) is cut from the inside of the shell. A portion of the pearl is yellow and a portion is blemished, balance fair to fine. We use for our pearl stocks only the best selected material, and for this reason our prices cannot be as low as you may find quoted on inferior grades. Our prices, however, are in keeping with the quality.



	Per Pair
No. 10—For Remington derringers, 41 caliber; wt per pair 1 oz	✤$5 70

One pair in paper.

For Iver-Johnson revolvers.

	Per Pair
No. 12—Fits 32 caliber, hammer and hammerless; wt per pair 1½ ozs	$4 80
No. 13—Fits 38 caliber, hammer and hammerless; wt per pair 2 ozs	5 70

One pair in paper.

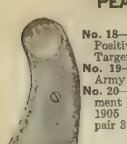
For Smith and Wesson revolvers.

	Per Pair
No. 14—Fits 32 caliber, double action; wt per pair 1¼ ozs	$4 80
No. 15—Fits 32 caliber, New Departure hammerless; wt per pair 1½ ozs	4 95
No. 16—Fits New Departure hammerless and 32 caliber hand ejector, Model 1903; wt per pair 1½ ozs	5 70
No. 17—Fits 32 and 38 caliber Military and Police, Model 1902; wt per pair 2¼ ozs	9 45
No. 17½—Fits 32 and 38 caliber Military and Police, Model 1905; wt per pair 2¾ ozs	12 75

One pair in paper.

✤F. O. B. New York Factory Only.

PEARL STOCKS



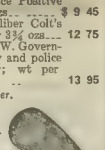
Per Pair

No. 18—Fits Colt's New Police, Police Positive Special and Police Positive Target; wt per pair 2¼ ozs..... $ 9 45

No. 19—Fits 38 and 44 caliber Colt's Army Special; wt per pair 3¼ ozs..... 12 75

No. 20—Fits 45 caliber S. & W. Government 1917 model, military and police 1905 model, 44 caliber; wt per pair 3¼ ozs..... 13 95

One pair in paper.

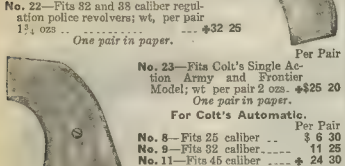


Per Pair

No. 21—Fits Colt's New Pocket Positive Revolver; wt per pair 1½ ozs..... $ 6 30

No. 22—Fits 32 and 38 caliber regulation police revolvers; wt, per pair 1¾ ozs..... ✣32 25

One pair in paper.



Per Pair

No. 23—Fits Colt's Single Action Army and Frontier Model; wt per pair 2 ozs. ✣$25 20

One pair in paper.

For Colt's Automatic.

Per Pair

No. 8—Fits 25 caliber..... $ 6 30

No. 9—Fits 32 caliber..... 11 25

No. 11—Fits 45 caliber..... ✣ 24 30

No. 25—Fits Colts "New Service"..... ✣ 28 95

One pair in paper; wt per pair 3 ozs.

Extra Per Pair

Engraving—Steer head on Colt's pearl stocks listed above..... $18 00

RIM FIRE CARTRIDGES

(Cartridges, Loaded Shells, Primed Empty Shells and Caps are not Mailable.)

BB Caps.

Adapted to Flobert and all 22 cal. rim fire single shot rifles; 20 grain lead bullet. Per 1000

BBS Caps—Smokeless powder, round ball..... 8 55 *$3 50*

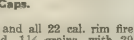
100 in box, 10,000 in case; wt per case 45 lbs.

CB Caps.

No. SCS22 Stevens rifles, Flobert and all 22 cal. rim fire single shot rifles; black powder load, 1½ grains, with 29 grain lead bullet. Per 1000

CBS Caps—Black smokeless powder, conical ball..10 80 *$4 40*

100 in box, 10,000 in case; wt per case 58 lbs.



22 Shorts.

For Winchester Rifles Nos. 2206, 2190, WTT22, 2200 and WO422, Remington Rifles Nos. 1RS, 2RGS, 3RT, 622, 422 and RBS22, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles Nos. SH22 and SS22, Stevens Rifles Nos. 7022S, 7022L, LS22 and 1722, Hamilton Rifles, Nos. H2722, HO2722 and H3522; also pistols and revolvers.

Black powder load, 4 grains, with 29 grain bullet. Per 1000

22SL—Lesmok powder, lead bullet..... 10 65 *$5 00*

22SSU—Smokeless powder, ungreased bullet..... 11 40 *5 35*

22SSG—Smokeless powder, greased bullet..... 11 40 *5 35*

22SSHP—Smokeless pwd., hollow pt. bullet..... 14 25 *5 75*

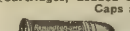
22SLHP—Lesmoke pwd., hollow point bullet..... 13 35 *5 50*

50 in box, 10,000 in case; wt per case 66 lbs.

✣ **F. O. B. New York Factory Only.**

RIM FIRE CARTRIDGES

(Cartridges, Loaded Shells, Primed Empty Shells and Caps are not Mailable.)



22 Longs.

For Winchester Rifles Nos. 2206, 2290, WTT22, 2200 and WO422, Remington Rifles 1RS, 3RT, 622 and 422, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles No. SH22 and SS22, Stevens Rifles Nos. 7022L, LS22 and 1722, Hamilton Rifles Nos. H2722, H02722 and H3522; also pistols and revolvers.

Black powder load, 5 grains, with 29 grain bullet. Per 1000

22LL—Lesmok powder, lead bullet..... 14 61 *$6 00*

22LSU—Smokeless powder, ungreased..... 18 15 *7 50*

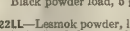
22LSG—Smokeless powder, greased..... 18 15 *7 50*

22LSUHP—Smokeless powder, ungreased, hollow point..... 19 35 *8 00*

22LLHP—Lesmok powder, hollow point bullet..... 15 75 *6 50*

50 in box, 10,000 in case; wt per case 72 lbs.

22 Long Rifle.



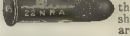
Accurate at all ranges up to 250 yards. Designed for use in rifles chambered for the ordinary long rifle cartridge and should not be used in the light rifles which are more particularly intended for 22 short cartridges.

Can also be used in any pistol, revolver or automatic pistol chambered for the ordinary long rifle cartridge. Used extensively by the British Government during the war. Has much greater penetration than other long rifle cartridges. Per 1000

No. 22NRA—Lesmoke powder, lead bullet..... 17 04 *$7 00*

No. 22NRAHP—Lesmoke powder, hollow point bullet..... 18 45 *7 60*

50 in box; 10,000 in case; wt per case 80 lbs.



22 Long Rifle.

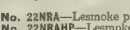
For Winchester Rifles No. 2206, Remington Rifles Nos. 1RS, 3RT, 622 and 422, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles, Nos. SH22 and SS22, Stevens Rifles Nos. 7022L, LS22, 1222M and 1722; also pistols and revolvers. Powder 5 grains, 40 grain bullet. Per 1000

22LRL—Lesmok powder, lead bullet..... 17 04 *$7 00*

22LRS—Smokeless powder, lead bullet..... 21 15 *8 75*

22LRSHP—Smokeless pwd., hlw. point bullet..... 22 50 *9 35*

50 in box, 10,000 in case; wt per case 80 lbs.



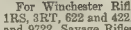
Palma, 22 Long Rifle.

These cartridges are adapted to use in all rifles, pistols and fire arms chambered for 22 long rifle cartridges and where a high degree of accuracy at long range is required up to 200 yards.

No. 22LRLP—Rim fire; 5 grains Lesmok powder; lead bullet..... Per 1000 17 04 *$7 00*

No. 22LRLPHP—Rim fire; 5 grains Lesmok powder; hollow point..... 18 45 *7 60*

50 in box; 10,000 in case; wt per case about 88 lbs.

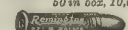


22 Extra Long.

For Remington, Ballard, Stevens, Wesson and other single shot rifles. Lesmok powder load, 6 grains, with 40 grain bullet. Per 1000

22ELL—Lesmok powder, lead bullet..... 25 35 *$10 50*

50 in box, 10,000 in case; wt per case 94 lbs.



22 Winchester, Model 1890

For Winchester Repeating Rifles, Model 1890; Remington UMC, Winchester and Stevens single shot rifles; also Colt target revolvers.

Lesmok powder load, 7 grains, with 45 grain bullet. Per 1000

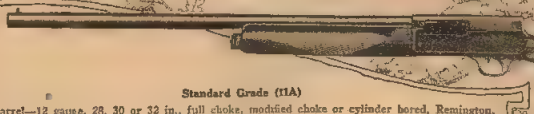
22WL—Lesmok powder, lead bullet..... 25 35 *$10 50*

22WSU—Smokeless powder, ungreased bullet..... 28 44 *11 75*

50 in box, 5000 in case; wt per case 57 lbs.

SHOT GUNS

AUTO LOADING



Standard Grade (11A)

Barrel—12 gauge, 28, 30 or 32 in., full choke, modified choke or cylinder bored, Remington, highest quality steel, solid breech, blued finish.

Stock—American walnut, half pistol grip, checkered grip and fore-end, length 14 in., drop at comb 1⅝ in., drop at heel 2⅛ in., rubber butt plate.

Frame—Take-Down, 5 shot, side ejection, blued.

No. C1P—Plain barrel, w't about 7¾ lbs.. ..... each $100.85
No. C1PR—Raised matted rib barrel, full choke bored, w't about 7¾ lbs..... each 115.60
No. C1PB—28 in., full choke bored barrel, with extra 26 in. cylinder bored barrel, ea. 135.85

Made in 12 gauge only.

Any other length or drop of stock to order★..... additional 26.75

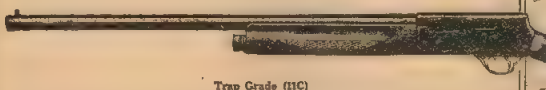
Special Grade (11B)

Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

Stock—Selected English walnut, half pistol grip, checkered grip and fore-end, length 14 in., drop at comb 1⅝ in., drop at heel 2½ in., rubber butt plate.

Frame—Take-Down, 5 shot, automatic side ejection, blued.

No. C2P—Plain barrel, w't about 7¼ lbs ..... each $149.90
Any other length or drop of stock to order★..... additional 26.75



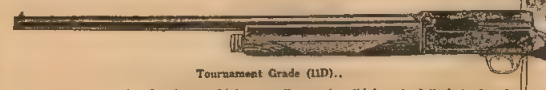
Trap Grade (11C)

Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

Stock—Selected imported walnut, neatly checkered straight grip and fore-end, length 14½ in., drop at comb 1½ in., drop at heel 2¾ in.

Frame—Take-Down, 5 shot, side ejection, blued

No. F3P—Plain barrel, w't about 7¾ lbs.★.. ..... each $149.90
No. C3PR—Raised matted rib, w't about 7¾ lbs.. . ... each 164 65
Any other length or drop of stock to order★.. .. .. additional 26.75



Tournament Grade (11D)..

Barrel—12 gauge, 28 in., Remington, highest quality steel, solid breech, full choke bored, blued finish.

Stock—Specially selected imported walnut stock and fore-end, neatly hand checkered half pistol grip, length 14 in., drop at comb 1⅝ in., drop at heel 2½ in., rubber butt plate.

Frame—Receiver and barrel finished in rich scroll hand engraved, all working parts hand polished, 5 shot, side ejection, Take Down, blued.

No. F4P—Plain barrel, w't 7¾ lbs.★..... each $284.75
No. C4PR—Raised matted rib..... each 281.30

Will furnish made to order without additional charge straight or full pistol grip stock in any dimensions desired.

ONE IN A BOX, TEN IN A CASE

REPEATING SHOTGUNS

REMINGTON HAMMERLESS TAKE-DOWN

REMINGTON MODEL 17

Developed to meet the rapidly growing demand for a very light, small gauge gun of this type. It embodies the Remington idea of Solid breech Hammerless—Take-Down and carries out all the popular features of the Model 10-12 gauge Repeating Shot Gun.

Symmetrical lines made possible by bottom loading and bottom ejection, very quick and accurate pointing (due to its light weight), easy action, for rapid firing, and hard shooting qualities. It is chambered for 2¾ in. shells, which permits of a load heavy enough for duck hunting.

Barrel—20 gauge Remington Highest Quality Steel, Blued finish, solid breech, chambered to take shells from 2½ to 2¾ in. in length.
Stock—Walnut stock, half pistol grip, length 13¾ in., drop at heel 2¾ in., drop at comb 1¾ in., walnut fore-end.
Frame—5 shot, Model 17, Take-Down, bottom loading and bottom ejection.
No. C2017 Plain barrel, 28 and 30 in., full choke, or 28 in., modified choke, w't about 5¼ lbs.....each $83.40
Will be supplied with 26 or 32 in. barrel, for factory shipment only.
No. C2017R—**Raised Matted Rib** barrel, 28 and 30 in., full choke bored, w't about 6 lbs.....each $98.15
Will be supplied with 32 in. barrel, for factory shipment only.

MODEL 10T—TARGET GRADE WITH VENTILATED RIB

The VENTILATED RIB and BARREL ARE ALL ONE, in other words, they are both built out of one solid piece of steel, while in most arms of this type the ventilated rib is brazed or soldered on the barrel. The Remington ventilated rib will positively not curl up or buckle, as may be the case with a rib brazed or soldered to the barrel.

Sighting—This gun permits the shooter to obtain a full view of the object aimed at, because the ventilated rib is so constructed that the gun shoots high, thus permitting a full view of the target. A ventilated rib practically eliminates heat waves, which rise above the barrel during continuous shooting and interfere with sighting, especially in warm weather. Oil finish on the stock and fore-end of this gun is more durable than the ordinary finish applied to most guns.
Barrel—12 gauge, 30 in. full choke, option of modified choke or cylinder bore, fitted with **raised matted ventilated rib.** Rear sight optional, but furnished only when specified.
Stock—Imported walnut oil finish, straight grip with option of half or full pistol grip, neatly checkered, full comb, fitted with soft rubber recoil pad of any make desired. Choice of any dimensions within the following limits. Lengths from 13½ in. to 15 in.; drops from 1½ in. to 3¼ in. at heel; drops from 1¼ in. to 1¾ in. at comb. Any other dimensions subject to extra charge.
Fore End—Imported walnut, oil finish, long extension type, neatly checkered and shaped so as to afford a better grip and give better control over swing of the gun on sharp angles. Short fore ends such as are regularly supplied on Model 10C trap gun can be furnished if desired, and bottom ejection.
Frame—6 shot, bottom loading
No. F190—12 gauge, 30 in. Remington, full choke, 6 shot bottom loading, w't about 8¼ lbs.★.....each $249.95

RIOT REPEATING SHOTGUNS

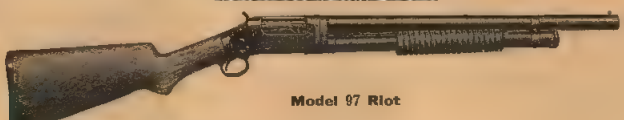
Cylinder bored, to shoot buck shot loads. Buck shot riot shell contains 9 large lead pellets, the weapon is more deadly, for shooting in the dark, from automobiles, against a mob, or where aim is uncertain, than would be a revolver.

MARLIN TAKE-DOWN

Marlin Model 42, 12 Gauge, Hammer

Barrel—Special rolled steel, handsomely matted full length, facilitates quick sighting.
Stock—Black walnut, pistol grip and action slide handle, length 13½ in., drop at comb 2 in., drop at heel 2½ in., hard rubber butt plate.
Chambered to handle both 2¾ and 2¾ in. shells.
No. C42X—12 gauge, 20 in. cylinder bored, visible hammer, w't about 7 lbs., 6 shots.....each $68.90

WINCHESTER TAKE-DOWN



Model 97 Riot

Barrel—Rolled steel, blued.
Stock—Plain walnut, pistol grip, length 13⅞ in. Drop at comb 1¾ in., drop at heel 2⅞ in. Rubber butt plate.
Frame—Blued, 6 shots.
No. C29TDX—12 gauge, plain barrel, 20 in. cylinder bored, chambered to handle both 2¾ and 2⅝ in. shells. W't about 7 lbs.....each $70.65

BUCKSHOT LOAD RECOMMENDED FOR RIOT PURPOSES
Peters "Target" Loaded Shells—12 Gauge
No. C237X—3½ drams smokeless powder, 1¼ oz. shot, size 0 buck, 12 pellets in load, 2¾ in. shell. See Regular page for price.

BROWNING AUTOMATIC SHOTGUNS

Grade No. 1.

These guns are fitted with Cockerill Steel Barrels, of the same grade as used in Mauser rifles. The very high tensile strength of this steel, makes it possible to furnish a considerably lighter barrel, without any sacrifice of strength and thus reduce the weight of the gun. Matted receiver, English Walnut checkered stock and fore end. Half pistol grip stock. Standard dimensions, 14¼ in. long, drop at heel 2¼ in., at comb, 1¾ in. An improved safety device is located in the forward end of trigger guard. Safety can be pushed to "SAFE" position from outside of trigger guard with the finger which eliminates any danger of finger slipping and accidentally pulling the trigger. A magazine cut off permits loaded shell in chamber to be ejected without disturbing shells in magazine. Barrel ring guide is forged in one piece with the barrel, instead of being a separate part. Double extractors insure positive extraction and feed. Side ejection, five shot, take-down, solid breech.

The only Browning Guns we shall be able to supply this year are those indicated below:

No. C712—12 gauge, 30 or 32 in. full choke, 28 in. modified choke, or 26 in. cylinder bored, plain barrel, w't about 7¾ lbs. ..... each $108.45

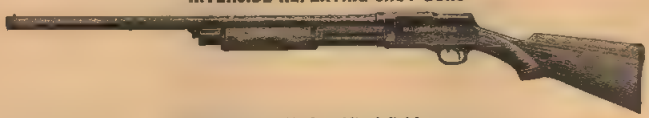
No. C712R—12 gauge, 30 or 32 in., full choke or 28 in. modified choke, RAISED MATTED RIB barrel, w't about 7¾ lbs., each $124.85

No. C16700—16 gauge, 28 or 30 in. full choke, or 26 or 28 in. modified choke, plain barrel, w't about 7 lbs. each. 131.10

No. C16700R—16 guage, 28 or 30 in. full choke, 28 in. modified, or 26 in. of cylinder bored, RAISED MATTED RIB barrel, w't about 7 lbs. ..... each 147.55

ONE IN A BOX, TEN IN A CASE

RIVERSIDE REPEATING SHOT GUNS



Barrel—Compressed forged steel, for nitro powders, black oxidized finish.
Stock—Walnut checkered, full pistol grip, length 13¾ in., drop at heel 2⅜ in., rubber butt plate, checkered slide handle.
Frame—Solid, drop forged receiver, matted top, visible loading block, 6 shots, side ejection.
No. C2520—12 gauge, 30 and 32 in., full choke, w't about 7¾ lbs. ..... each $63.35

REMINGTON RIOT AUTOLOADING SHOTGUNS

Standard Grade (11R)

Barrel—12 gauge, 20 in. cylinder bored, highest quality steel, solid breech, blued finish.
Stock—American walnut, half pistol grip, checkered grip and fore-end, length 14 in., drop at comb 1⅝ in., drop at heel 2¼ in., rubber butt plate.
Frame—Takedown, 5 shot, side ejection, blued.
No. C1PX—Plain barrel, w't about 7¼ lbs. ..... each $100.85

Made in 12 Gauge Only

These Riot Grade Guns are being used by the United States government prison guards, express messengers, factories and banks.

The operator has 5 shots at his command without having to think of reloading. May be used with buckshot loads.

BUCKSHOT LOAD RECOMMENDED FOR RIOT PURPOSES

Peters "Target" Loaded Shells—12 Gauge

No. C287X—3¼ drams smokeless powder, 1¼ oz. shot, size 0 buck, 12 pellets in load, 2⅝ in. shell. See regular page for price.

WINCHESTER REPEATING SHOT GUNS

HAMMERLESS

MODEL 12—Standard Grade

Barrel—Nickel steel, blued.

Stock—Plain walnut, half pistol grip stock and action slide handle, rubber butt plate.

Frame—Take Down, 6 shots, receiver one piece and entirely enclosed in the rear as well as on top, blued, side ejection, bottom loading, shells, can be removed from magazine without pumping through gun, double safety locks.

Plain Barrel

No. C12TD—12 gauge, plain barrel, 30 in. full, or modified choke, 28 in. full, or modified choke, 26 in. modified, or cylinder bore, 32 in. full choke, chambered for 2¾ in. shells, stock length 13¾ in., drop at comb, 1½ in., drop at heel, 2⅛ in., w't about 7¼ lbs.....each $83.30

No. C16TD—16 gauge, plain barrel, 26 or 28 in. full or modified choke, chambered for 2⅝ in. shells, stock length 13⅝ in., drop at comb 1⅝ in., drop at heel 2⅛ in., w't about 6 lbs.....each $83.30

No. C20TD—20 gauge, plain barrel, 26 or 28 in., full or modified choke, chambered to handle both 2¾ and 2¾ in. shells, stock length 13⅜ in., drop at comb 1⅝ in., drop at heel 2⅛ in., w't about 6 lbs.....each $83.30

With Raised Matted Rib

No. C12TDR—12 gauge, with raised matted rib barrel 30 or 32 in., full choke, chambered for 2¾ in. shells, stock length 13¾ in., drop at comb, 1½ in., drop at heel 2⅛ in., w't about 7¼ lbs.....each $97.10

No. C16TDR—16 gauge, with raised matted rib barrel, 26 or 28 in., full choke, chambered for 2⅝ in. shells, stock length 13⅝ in., drop at comb, 1⅝ in., drop at heel, 2⅛ in., w't about 6 lbs.....each $97.10

No. C20TDR —20 gauge, with raised matted rib barrel, 26 or 28 in., full choke, chambered to handle both 2¾ and 2¾ in. shells, stock length 13⅜ in., drop at comb 1⅝ in., drop at heel 2⅛ in., w't about 6 lbs.....each $97.10

MODEL 12—Tournament Grade

Barrel—Nickel steel, raised matted rib, blued.

Stock—Handsome, selected walnut, oil finished, with well shaped straight grip, checkered, and action slide handle checkered, rubber butt plate.

Frame—Take-Down, 6 shots, one-piece receiver entirely closed at rear and on top, blued, side ejection, bottom loading, cartridge release, double safety locks.

No. C21TDR—12 gauge, with raised matted rib barrel, 30 in. full choke, chambered for 2¾ in. shells, stock length 14 in., with heavy comb and rounding, drop at comb 1½ in. drop at heel 1¾ in., w't about 7½ lbs.....each $126.30

MODEL 12—Trap Grade

Barrel—Nickel steel, raised matted rib, blued.

Stock—Fancy, checkered, straight grip, oiled finish, selected walnut stock and action slide handle.

Frame—Take-Down, 6 shots, one-piece receiver closed at rear and on top, blued, side ejection, bottom loading, cartridge release, two safety locks.

No. C23TDR—12 gauge, with raised matted barrel, 30 in., full choke, chambered for 2¾ in. shells, stock standard dimensions, straight grip, length 14 in., drop at comb 1½ in. drop at heel 1⅞ in., heavy rounding comb, rubber butt plate, other dimensions, to order from factory, without extra charge. W't about 7½ lbs.....each $155.10

ONE IN A BOX, TEN IN A CASE

Remington UMC REPEATING RIFLES.

MODEL NO. 12, TAKE-DOWN.
SOLID BREECH, HAMMERLESS

"STANDARD" GRADE NO. 12A.

NO R122—Chambered to take without any adjustment, 22 short, long and long rifle cartridges, magazine holds 16 .22 short, 12 .22 long or 11 long rifle cartridges, 22 in. Remington steel round barrel, straight grip, walnut stock fitted with rubber butt plate, weight 4½ lbs.....List each $19.85 — Net each $31 72

"GALLERY SPECIAL" GRADE NO 12B.

NO R222—Chambered for .22 short only, magazine holds 16 short cartridges, 24 in. octagon Remington steel barrel, half pistol grip, walnut stock, fitted with steel rifle butt plate, weight 5½ lbs.....List each $22.85 — Net each $36 52

"TARGET" GRADE NO 12C

NO. R322—Chambered to take without any adjustment .22 short, long and long rifle cartridges, magazine holds 16 short, 12 long or 11 long rifle cartridges, 24 in. octagon Remington steel barrel, half pistol grip, walnut stock, fitted with steel rifle butt plate, weight 5½ lbs.....List each $22.85 — $36 52

"REMINGTON SPECIAL" GRADE NO. 12CS.

NO. R422—Chambered only for .22 Remington Special Cartridge (22 W. R. F. cal.), magazine holds 9 cartridges, 24 in. octagon Remington steel barrel, with 16 in. twist, straight grip, walnut stock, fitted with steel rifle butt plate, with white metal bead front sight, weight 5½ lbs.....List each $22.85 — $36.52

THE NEW NO 12C "N. R. A. TARGET" GRADE.

A target rifle for fine target shooting. The sights are adjustable for windage and elevation, and the rifle has a practical sling-strap for steadying the arm while shooting in any position. Magazine will hold 11 long rifle cartridges.

Net each

NO. R522—Chambered to take 22 long rifle cartridges only, 24 in. octagon Remington steel barrel, half pistol grip, walnut stock, fitted with steel rifle butt plate, wind gauge globe and aperture front sight, elevating rear peep sight fitted with target disc, weight 6 lbs.....List each $32.85 — $52.58

ALL ABOVE 10 IN A CASE, WEIGHT 80 LBS.

22 CAL. AUTO-LOADING.

MODEL NO. 16A "STANDARD" GRADE AUTO-LOADING RIFLE, 22 CALIBRE.

Shoots Fifteen 22 Remington Auto-Loading Rim Fire Cartridges Without Reloading.

22 in. Remington steel barrel, straight grip stock of American walnut fitted with steel rifle butt plate, special step rear sight and white metal-bead front sight.

Solid breech

Safety—Safety lock is arranged just in front of the trigger.

Accuracy—This rifle has an extremely accurate barrel and is fully up to the Remington UMC standard for shooting qualities.

Sights—The sights are the same as used on Model 12, .22 calibre repeating rifle, being of simple design and giving a quick and very clean-cut alignment for rapid shooting. The rear sight is adjustable for elevation.

Rapidity of fire—The autoloading action permits great rapidity of extremely accurate fire, which is still further increased by the perfect balance of the arm.

Take-down—For the first time, the screw take-down system, which has proved so successful in the Remington UMC Pump Gun under much heavier strain and greater wear, is here offered in a .22 calibre arm.

Magazine—A simple tube holding fifteen cartridges is arranged within the stock where it is protected from injury incident to rough usage.

Net each

NO. 1622—22 Calibre, weight 5½ lbs.....List each $35 45 — $56.72

ONE IN A CASE, WT. 8 LBS.

NEW AUTOLOADING RIFLE.
MODEL 24, 22 CALIBRE.

STANDARD GRADE "A."

Shoots Ordinary .22 Short Cartridges.

The first autoloading rifle made to handle successfully the standard .22 caliber short Lesmok and smokeless greased cartridges.

Bottom ejection: Not only are the empty shells ejected through an opening in the bottom of the receiver, but the opening allows powder grains and grease from the bullets to drop out, thus keeping the action from clogging.

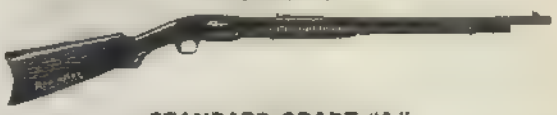
Net each

NO. 24S—.22 short calibre shoots .22 short R. F. Smokeless Greased or .22 Short Lesmok Cartridges 16 shots, take down, 19 inch round barrel; total length of rifle 37 inches, screw adjustable straight bar rear sight and white metal bead front sight, weight 4½ lbs.....List each $25 45 — $40.72

NO. 24LR—.22 long rifle calibre, otherwise same as 24S.....List each $25.45 — 40.72

5 IN A CASE, WT 35 LBS

SLIDE ACTION REPEATING RIFLE.
MODEL 25



STANDARD GRADE "A."

Shoots 25 20 Winchester, Marlin and Remington C. F. Cartridges. Shoots .32 Winchester, Marlin and Remington C. F. Cartridges.

Forearm slide action, fast easy and positive. 24 in. round barrels American walnut stock, half pistol grip, steel rifle butt plate. Shoots 10 cartridges loaded through door on side. Indicator shows when loaded or empty. Quickly operated take-down, white metal bead front sight, step adjustable buckhorn rear right. Cross bolt type safety located in rear of trigger guard. Length 41½ in. Weight about 5½ lbs.

Net each

NO. 25A2520—25 20 calibre, shoots 25 20 Winchester, Marlin and Remington C. F. cartridges.....List each $29 95 — $47.90

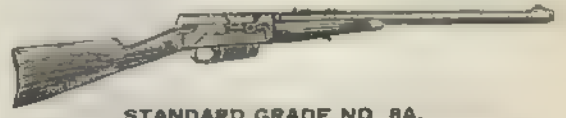
NO. 25A32—32 calibre, shoots .32 Winchester, Marlin and Remington C. F. cartridges.....List each $29.95 — 47 90

CARBINE

NO. 25R2520—25 20 Calibre Carbine, 18 in. barrel, otherwise same as 25A2520.....List each $29.95 — $47 90

5 IN A CASE, WT. 45 LBS.

HIGH POWER AUTO-LOADING.



STANDARD GRADE NO 8A.

Take Down, Solid Breech, Hammerless, 5 Shot Repeater.

22 inch round "Ordnance" steel barrel only, plain walnut stock, straight grip, shot gun style, steel rifle butt plate, blued finish, weight about 7¾ lbs.

Each rifle furnished with three cartridge clips.

Net each

*NO RA25—25 caliber, shoots .25 Remington rimless smokeless cartridges.....List each $55.35 — $88.56

*NO. RA3030—30 caliber, shoots .30 30 Remington rimless smokeless cartridges.....List each $55.35 — 88.56

*NO. RA32—32 caliber, shoots .32 Remington rimless smokeless cartridges.....List each $55. 35 — 88.56

*NO. RA35—35 caliber, shoots .35 Remington rimless smokeless cartridges.....List each $55.35 — 88.56

*Sling strap and swivel furnished on Auto-loading rifle at extra charge.....List each $2 35 — 4.00

*With half pistol grip stock, net extra.....List each $3.45 — 5.86

5 IN A CASE, WT. 57 LBS.

*** Not Carried in Stock, Can Only be Furnished by Shipping Direct From Factory.**

ALL RIFLES ON THIS PAGE ARE PACKED ONE IN A BOX

Remington UMC REPEATING RIFLES.

HIGH POWER, SLIDE ACTION.

MODEL NO. 14A, "STANDARD" GRADE

Slide action, six shot, center fire and rimless, solid breech, take down.

A high power, slide action repeating rifle, perfect in operation, which combines rapidity of fire, strength, simplicity, light weight and general attractiveness, far in excess of other repeating rifles.

		Net each
NO. 14A. 25—.25 caliber Rem., with 22 in. special "Ordnance" steel barrel, half pistol grip, stock of American walnut, fitted with rifle steel butt plate, patented quick-adjustable straight-bar rear sight, and new design copper bead front sight, weight about 6½ lbs. each. . . . . List each $44.35		$70.92
*NO. 14A 30—.30 caliber Rem	List each 44 35	70.92
*NO. 14A 32—.32 caliber Rem	List each 44.35	70 92
*NO. 14A 35—.35 caliber Rem	List each 44.35	70.92

EXTRAS.

		Net each
*Swivel and sling strap . . . . . List each $2 35		$4.00

5 IN A CASE, WT. 50 LBS.

BOLT ACTION, EXPRESS, SPORTING RIFLE.

THE NEW MODEL 30 EXPRESS RIFLE.

The new Model 30 Express is chambered for .25, .30, .32, 35 Remington and 30-'06 Springfield.

The construction and design of the Model 30 gives it a superior balance which, together with its marvelous accuracy and smooth working action, makes it an ideal rifle of the bolt action type.

Its weight is about 7¼ pounds; over-all length, 42¾ inches. 22 inch round ordnance-steel barrel, bored, rifled and chambered for extreme accuracy. Selected American walnut oil finished stock in one piece with hand checkered grip and fore-end. Receiver and bolt are nickel steel.

The butt plate is of forged steel with an extension to protect the toe of stock during rough usage. Front sight is gold bead of blade type. It has a buckhorn sporting rear sight with adjustable, reversible leaf with U and V notches and an adjustable slide.

The sights are adjusted for a point blank range of 100 yards. Each rifle is carefully targeted for both alignment and grouping. The receiver is drilled and tapped for a Lyman No. 48-R micrometer windgauge receiver sight. The staggered box type magazine has a capacity of 5 cartridges which can be loaded singly or from a clip. An extra cartridge in the chamber places 6 shots at the disposal of the shooter.

		Net each
NO. 30—30-'06 caliber, 22-in. barrel. . .	Retail each $45.75	$33.06
*NO. 30—25 caliber, 22-in. barrel . . .	Retail each $45.75	33.06
*NO. 30—32 caliber, 22-in. barrel	Retail each $45 75	33.06
*NO. 30—35 caliber, 22-in. barrel. . . .	Retail each $45 75	33.06
*NO. 30—30 caliber, 22-in. barrel.	Retail each $45 75	33.06
Sling Straps, (web adjustable) with hooks.	Retail each $2.00	$3 40

ONE IN A CASE, WT. 12 LBS.

HIGH POWER CARBINE.

Slide action, six shot, center fire and rimless, solid breech, "Standard" grade.

A high power, slide action repeating rifle, perfect in operation, which combines rapidity of fire, strength, simplicity, light weight and general attractiveness, far in excess of other repeating rifles.

	Net each
*NO. 14R 25—.25 Caliber, length of barrel 18½ inches, American walnut stock fitted with shotgun style steel butt plate, straight grip, sights same as No. 14A, furnished with ring on left side of receiver, on order, no extra charge, weight about 6½ lbs. . . . . List each $44.35	$70 92
*NO. 14R/30—.30 Caliber. . . . . List each 44.35	70 92
*NO. 14R 32—.32 Caliber Rem. . . . . List each 44.35	70 92
*NO. 14R/35—.35 Caliber Rem. . . . . List each 44.35	70 92

5 IN A CASE, WT. 50 LBS.

HIGH POWER RIFLES.

MODEL NO. 14½A, "STANDARD" GRADE, HAMMERLESS, TAKE DOWN, SLIDE ACTION, SPORTING RIFLE.

	Net each
*NO 14 ½A 38 40 Rem. (38 W.C.F.) and 44 Rem. (44 W.C.F.) Cal., full length magazine contains 11 cartridges, half magazine containing 9 cartridges furnished on special order, no extra charge, 22½ in. Remington steel round barrel, American walnut stock fitted with rifle style steel butt plate, straight grip, patented quick-adjustable straight bar rear sight and new design copper bead front sight, weight about 7 lbs . . . List each $44.35	$70 92

EXTRAS.

	Net each
*Sling straps and swivels . . . . . List each $2.35	$4 00

5 IN A CASE. WT 50 LBS.

HAMILTON RIFLES.

MODEL 39, TAKE DOWN, REPEATING

	Net each
NO. 39H 22 calibre, hammerless, take down, pump action, 15 shots, automatic lock preventing accidental discharge while operating pump action. Trigger safety lock. Bronze lined barrel, solid breech, knife pattern front sight, adjustable rear sight, 21½ in. barrel. Length over all 35 in., weight 4 lbs. Black walnut stock and forearm. . . . . Retail each $10.75	$16 00

MARLIN REPEATING RIFLES.

Full magazine, side ejecting, Ivory Bead front sight and flat top Rocky Mountain rear sight.

	Net each
NO 37—.22 calibre, R. F., short, long or long rifle, slide action, 24 in. round barrel, take-down, 25 shots. . . . . List each $22 00	$31 80

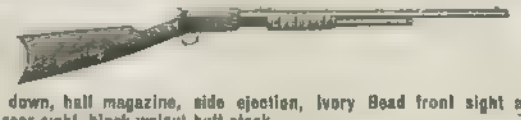
Take-Down, Hammerless, Half Magazine.

Side ejecting, Ivory Bead front sight and flat top Rocky Mountain rear sight. Double extractors, pistol grip butt stock, hard rubber butt plate.

	Net each
NO 38R—22 calibre, R. F., short, long or long rifle, hammerless slide action, 24 in. round barrel, 15 shots. . . . . List each $25 80	$38.70
NO. 380 .22 calibre, R. F., Short, Long or Long Rifle, 24 in. octagon barrel, otherwise same as No. 38R. . . . . List each $26 30	39.50

Take down, full magazine, solid top receiver, side ejector, Ivory Bead front sigh and flat top Rocky Mountain rear sight, pistol grip stock of black walnut.

	Net each
NO. 39M 22 calibre, R. F., short, long or long rifle, lever action, 24 in. octagon blued barrel, 25 shots . . . . . List each $28.00	$44.80



Take down, half magazine, side ejection, Ivory Bead front sight and Rocky Mountain rear sight, black walnut butt stock,

	Net each
NO. 270—25 20 calibre, C. F., slide action, 24 in. octagon barrel, 8 shots. . . . . List each $33.00	$50 00
NO. 270—32 20 calibre, C. F., slide action, 24 in. octagon barrel, 7 shots . . . . . List each $33.00	50 00

*** Not Carried in Stock. Can Only Be Furnished by Shipping Direct From Factory**

ALL RIFLES ARE ONE ONLY IN A BOX

Sailing Down September's Painted Lanes

In a Reo Flying Cloud

REO
FLYING CLOUD

SEDAN VICTORIA
BROUGHAM
SPORT COUPE
ROADSTER

WHEN the tang of the year's turning makes travel more alluring, point the prow of a Flying Cloud toward the lanes where the leaves are flaming. Sail over the paved roads, the hills, and the back roads, in floating comfort. Loiter along at a sight-seeing pace or hasten home when the day is done, and learn what "sailing" on a highway really means.

There's a Flying Cloud near you. Try it out.

REO MOTOR CAR COMPANY *Lansing, Michigan*

NO OTHER AMERICAN CAR LASTS AS LONG AS REO - NOT ONE

Courtesy of The Buchen Co.

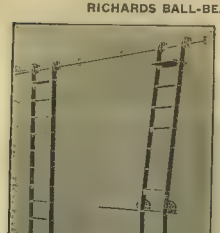
Four Color Process Plates

A National Magazine Advertisement

Engraved by Premier Engraving Co., Chicago

STORE LADDERS

RICHARDS BALL-BEARING



Ladders are made of oak or pine, selected and kiln dried. Steps are let into the sides and held by screws passing through the sides of ladder, made perfectly rigid with steelbraces.

Ladder sides are 3½ inches wide and steps 4 inches wide on ladders up to 14 ft.; over 14 ft., sides are 4 inches wide and steps 5 inches wide.

Steps are 14 ins. long between ladder sides. Track is attached to the uprights of shelving, edge of shelves or to cornice as shown above.

Straight Ladders.

Straight ladders can be set close to shelving when not in use, as the upper fixture has a self-adjusting vertical slide, which also conforms to unevenness in floor. Furnished with ball-bearing fibre or rubber tired wheels for bottom of ladder.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to top of shelf to which track is to be fastened.

2nd.—Give entire length of each run of track and number of uprights for each run.

3rd.—Give dimensions of uprights, also distance of uprights from center to center.

4th.—State if uprights are straight faced or turned spindle.

5th.—State if fibre or rubber-tired wheels are preferred.

Ladder and Fixtures Complete, Any Length.

	Each
No. 114—Oak; wt per ft 3½ lbs	✤$74 25
No. 114P—Pine; wt per ft 3 lbs	✤ 66 75

Bent Ladders.

Bent ladders have roller-bearing wheels running on half round ledge track.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd.—Give exact width of ledge.

3rd—Give exact perpendicular height from ledge to top of shelf to which track is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of upright from center to center.

6th.—State if uprights are straight faced or turned spindle.

	Each
No. 114B—Oak; wt per ft 3½ lbs	✤$81 75
No. 114PB—Pine; wt per ft 3 lbs	✤ 74 25
	Per Set
Fixtures, without ladder, wt per set 25 lbs	✤$45 00
	Per Ft
Pole Track, with brackets, wt per ft 1 lb	✤$1 14

Shipped wrapped in paper with castings protected by cleats.

✤F. O. B. Illinois Factory Only.

STORE LADDERS

RICHARDS BALL-BEARING

Upper wheels ball-bearing, runs on wood lined track. Fixtures made entirely of steel, aluminum finish; fitted with case hardened, ball bearing bottom rollers, fibre or rubber tired. For standard ladders up to 14 feet in length, width of sides 3½ in.; width of step 4 in.; length of steps 12 in.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to ceiling.

2nd.—Give entire length of track required.

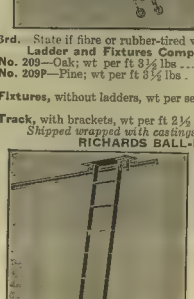
3rd. State if fibre or rubber-tired wheels are preferred.

Ladder and Fixtures Complete; Any length.

	Each
No. 209—Oak; wt per ft 3½ lbs	✤$81 75
No. 209P—Pine; wt per ft 3½ lbs	✤ 84 25
	Per Set
Fixtures, without ladders, wt per set 15 lbs	✤$45 00
	Per Ft
Track, with brackets, wt per ft 2½ lbs	✤$1 14

Shipped wrapped with castings protected by cleats.

RICHARDS BALL-BEARING



The top fixtures made of steel, have finest case hardened ball bearings The weight is carried entirely by the upper fixtures, the lower rollers acting as a guide against the edge of the ledge The track consisting of steel angle and grooved wooden runway, is attached to the uprights of shelving, the edge of shelves or cornice. Fixtures aluminum finish. Ladders furnished in oak or pine.

For standard ladders up to 14 feet in length, width of ladder sides, 3½ inches, width of steps 4 inches; ladders over 14 feet long have sides 4 inches wide and width of steps 5 inches. Steps are 12 inches long between ladder sides.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd.—Give exact width of ledge.

3rd.—Give exact perpendicular height from ledge to top of shelf to which ladder is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of upright from center to center.

6th.—State if uprights are straight faced or turned spindle.

Ladder and Fixtures, Complete, Any Length.

	Each
No. 113—Oak; wt per ft 3½ lbs	✤$81 75
No. 113P—Pine; wt per ft 3 lbs	✤ 74 25
	Per Set
Fixtures without ladders, wt per set 10 lbs	✤$45 00
	Per Ft
Track, wt per ft 2 lbs	✤$1 14

Shipped wrapped with castings protected by cleats.

✤F. O. B. Illinois Factory Only.

HARDWARE STORE FIXTURES

WARREN STANDARD COMBINATIONS

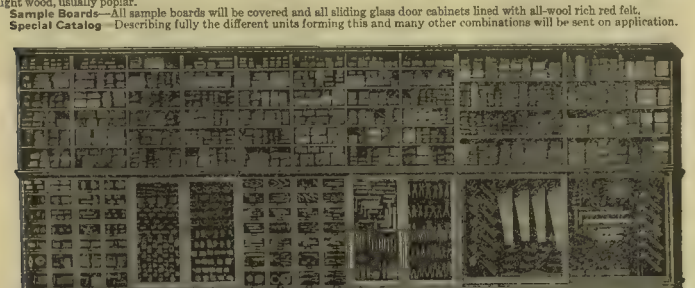
Made on the sectional interchangeable unit system. Cabinet units have exactly the same outside dimensions and the base units correspond to the cabinet units in length. When set up and fastened together they come into perfect alignment and are absolutely solid.

All cabinets are 8 feet 4⅜ inches long, 4 feet 6 inches high, 1 foot 3⅜ inches deep. All bases are 8 feet 4⅜ inches long, 2 feet 7½ inches high, 2 feet 6 inches deep.

Material—The outside exposure is made of selected white oak, antique finish, hand rubbed dull, interior construction of soft, light wood, usually poplar.

Sample Boards—All sample boards will be covered and all sliding glass door cabinets lined with all-wool rich red felt.

Special Catalog—Describing fully the different units forming this and many other combinations will be sent on application.



Cabinet No. 4450—Constructed with paneled center supports, 24 inches apart with twenty removable and adjustable shelves designed for hardware in original packages.
Each ..... ✦$191 40

Cabinet No. 3600—Contains two glass swing panels, twenty 7x12 inch and eight 8x12 inch glass front drawers. All drawers and swing panels have removable sample boards covered with rich colored felt; removable partition in each drawer and six adjustable shelves back of each swing panel.
Each ..... ✦$470 40

Sub-Cabinet No. 4614—Forty-eight 2⅝x4 in. dove-tailed dust-proof drawers with three removable partitions in each, forming 192 compartments.
Each ..... ✦$148 95

Base No. 5325—Sixteen 8x12 in. drawers with two removable partitions, side to side, forming three compartments; eight 8x12 in. drawers with one removable partition, front to back, forming two compartments. Drawers are 26¾ in. deep and grooved for five partitions, side to side, and one partition front to back.
Each ..... ✦$346 05

Cabinet No. 4450—Constructed with paneled center supports, 24 ins. apart with 20 removable and adjustable shelves designed for original package goods.
Each ..... ✦$191 40

Cabinet No. 3302—Contains two glass swing panels, twenty 6x12 and eight 8x12 inch glass front drawers. Drawers and swing panels have removable sample boards covered with felt; one removable partition in each drawer and six adjustable shelves back of each swing panel.
Each ..... ✦$470 25

Sub-Cabinet No. 4612—Thirty-two 2⅝x6 in. oak front, dove-tailed dust-proof drawers with 3 removable partitions in each, forming 128 compartments.
Each ..... ✦$130 20

Base No. 5361—Contains four insets, each containing one 3x22¾ and four 8x5⅝ inch oak front drawers, eight 8x12 inch drawers with two removal partitions, side to side, forming three compartments; four 8x24 inch drawers with removable partition forming nine open compartments.
Each ..... ✦$421 65

Cabinet No. 4200—Contains six adjustable shelves, forming 8 open spaces for original package goods.
Each ..... ✦$152 70

Cabinet No. 3064—Two sliding glass doors, fitted with ball-bearing sheaves; interior lined with felt and fitted with removable tool racks, brackets, display stands and universal saw rack for displaying 42 hammers, 42 hatchets, 28 hand, up or butcher saws, 6 braces, 6 draw knives, 56 steel squares and a general assortment of planes and levels.
Each ..... ✦ $353 55

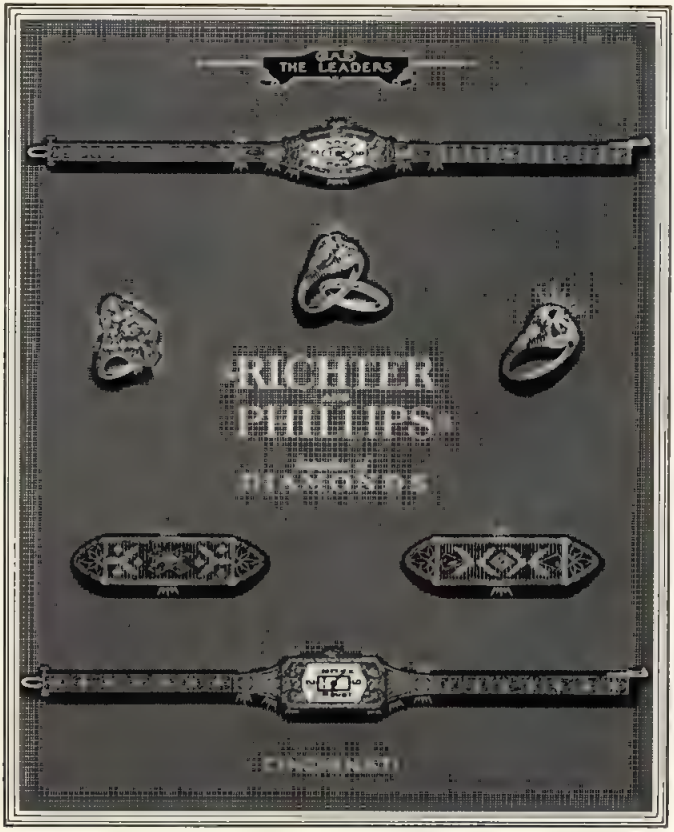
Sub-Cabinet No. 4610—Contains eight 6x6 inch oak front dove-tailed, dust-proof drawers with removable partitions, forming 40 compartments.
Each ..... ✦ $89 55

Base No. 5313—Contains one 8x36 inch drawer with saw rack; one 8x36 in. with sliding tray, two 8x36 inch, without partitions, two 8x24 inch with partitions forming nine compartments each, and eight 8x12 inch oak front drawers with removable partitions.
Each ..... ✦$323 10

Combination No. 6272—Complete as above. Arranged for the right hand side of store as you enter the front, is 25 ft. 6 ins. long (including the return crown on both ends), 12 ft. 3½ ins. high and is composed of six cabinets, three sub-cabinets and three base units. Each ..... ✦$3289 05

Packed complete; approx wt 4180 lbs.

✦F. O. B. Illinois Factory Only.



Line Etching on Copper

A BOOKLET ILLUSTRATION

Reproduced from Pen drawing. Background effect made by placing Bourges Shading Sheets on negative

Engraved by THE MODERN ENGRAVING COMPANY, CINCINNATI, O.

ELECTRIC FANS

ROBBINS & MEYERS

Drawn Steel Frame—Base, Motor Frame and End Heads are drawn from Heavy Gauge Sheet Steel.

Rotor—Built up of Steel Laminations Conductors Solidly Riveted and Soldered to End Rings Rotor Shaft is of High Carbon Steel with all Bearing Surfaces Ground Accurately to Gauge.

Stator—Steel Lamination Securely Riveted together Winding is Thoroughly Insulated from the Core. Completed Core Securely Attached to Frame by Screws through End Heads.

Armature—Core is built up of Steel Laminations, Mounted Securely on High Carbon Steel Shaft, Winding well Insulated from Core, Best Grade Copper Commutator, Deep Segments, Mica Insulated.

Bearings and Oilers—Bearings are Large and Substantial, Phosphor Bronze Bushed, Lubricated by an Oil Cup at Each End of the Motor

Adjustable Oscillating Mechanism—Positive in Action, Extremely Simple and Durable and Produces a Slow, Steady Oscillation There is a Provision for Convenient and Positive Adjustment Gradually by a Fraction of a Degree for Air Direction from Full Sweep to Stationary, or Vice versa All Gears and Pinions are Accurately Machined and Adjusted and Gear Box Packed with a Season's Supply of Non Fluid Grease is Grease Tight.

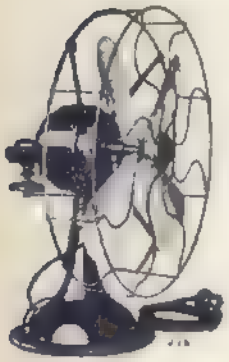
Blades—Firmly Constructed, Accurately Balanced, Designed for very Efficient and Effective Air Delivery. Their Shape and Pitch being Carefully Determined to give Maximum Breeze with Lowest Wattage and Least Noise.

Guards—Heavy Steel, Strong and Rigid and Securely Anchored to the Motor.

Base—So Constructed as to make it Practically Impossible to Accidently Overturn the Fan The Felt Protection Permits Fans to be placed on Highly Polished Surfaces without Danger to the Finish.

For 110 Volts, with a Range from 10 Per Cent Lower to 10 Per Cent Higher

MODEL 38—OSCILLATING



Four Blades, Three Speeds, Drawn Steel Frame

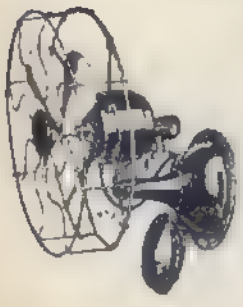
Four Point, Three Speed Switch, Felt Covered Base, Hinge Joint for Vertical Adjustment and Wall Mounting, Highly Finished in Baked Black Enamel Relieved with Gilt Lines on Motor and Base, Solid Brass Blades, Lacquered.

Induction Type Motor, 7 Complete Oscillations per minute, Full Sweep 95 Degrees.

No. 3854-C 16 in., A. C. 60 Cycles, 3 Speeds, 1350 R. P. M. at 82 Watts, 1150 R. P. M. at 51 Watts and 1000 R. P. M. at 65 Watts, Complete with 8 ft. Cord and Standard Attachment Plug, Weight Each Packed 44 Lbs. $35 00

One in a Box.

MODEL 45—OSCILLATING



Four Blades, Three Speeds, Drawn Steel Frame

Four Point, Three Speed Switch, Felt Covered Base, Hinge Joint for Vertical Adjustment and Wall Mounting, Highly Finished in Baked Black Enamel Relieved with Gilt Lines on Motor and Base, Solid Brass Blades, Lacquered.

Induction Type Motor, Seven Complete Oscillations per Minute, Full Sweep 90 Degrees.

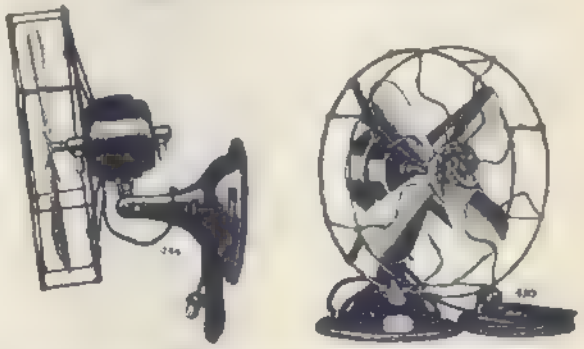
Each

No. 4504 -12 in., A. C. 60 Cycles, 3 Speeds, 1450 R. P. M. at 44 Watts, 1300 R. P. M. at 36 Watts and 1050 R. P. M. at 31 Watts, Complete with 8 ft. Cord and Standard Attachment Plug, Weight Each Packed 20 Lbs. $30.00

Embodies the latest improved construction of motor and base, being better in appearance lighter in weight cool running and very efficient.

One in a Box.

MODEL 47—NON-OSCILLATING



Four Blades, Three Speeds, Drawn Steel Frame

Four Point, Three Speed Switch Felt Covered Base, Swivel Hinge Joint Provides for Wall-Bracket Mounting and Convenient Vertical or Horizontal Adjustment, Highly Finished in Baked Black Enamel Relieved with Gilt Lines on Motor and Base, Brass Blades, Lacquered Induction Type Motor.

Each

No. 4704—12 in., A. C., 60 Cycle, 3 Speeds, 1450 R. P. M. at 43 Watts, 1300 R. P. M. at 35 Watts and 1050 R. P. M. at 31 Watts, Complete with 8 ft. Cord and Standard Attachment Plug, Weight Each Packed 20 Lbs. $28.50

One in a Box.

MODEL 46—OSCILLATING

Four Blades, Three Speeds, Drawn Steel Frame

Four Point, Three Speed Switch, Felt Covered Base, Hinge Joint for Vertical Adjustment and Wall Mounting, Finished in Baked Black Enamel with Gilt Lines on Motor and Base, Steel Blades, Black Satin Finish

Induction Type A. C. Motor

Has a Single Oscillating Sweep making Five Complete Oscillations per Minute over 75 Degrees.

Each

No. 4602—10 in., A. C., 60 Cycles, Three Speeds, 1500 R. P. M. at 33 Watts, 1400 R. P. M. at 26 Watts, 1250 R. P. M. at 23 Watts, Complete with 8 ft. Cord and Standard Attachment Plug Weight Each Packed About 17 Lbs. $16.50

One in a Box.

ELECTRIC FANS

ROBBINS & MEYERS

For 110 to 120 Volts

MODEL 43—NON-OSCILLATING

Wall Bracket Position.

Desk Position.

Four Blades, Three Speeds, Drawn Steel Frame

Four Point, Three Speed Switch, Felt Covered Base, Hinge Joint for Vertical Adjustment and Wall Bracket Position, Highly Finished in Baked Black Enamel with Gilt Striping Around the Base and Motor. Polished Solid Brass Blades, Lacquered.

Induction Type A. C. Motor.

Each

No. 4312—10 in., A. C., 60 Cycles, Three Speeds. 1560 R. P. M. at 27 Watts, 1300 R. P. M. at 21 Watts, 1100 R. P. M. at 18 Watts, Complete with 8 ft. Cord and Standard Attachment Plug. Weight Each Packed About 15 Lbs. **$15 00**

One in a Box.

MODEL 41—NON-OSCILLATING

Four Blades, One Speed, Drawn Steel Frame

Felt Covered Base, Hinge Joint Permits Tilting Backward or Forward. Finished in Baked Black Enamel. Steel Blades, Black Satin Finish.

Induction Type A. C. Motor.

Each

No. 4100-S—8 in., A. C., 60 Cycles, 1550 R. P. M. at 30 Watts. Complete with 8 ft. Cord and Standard Attachment Plug. Weight Each Packed About 10 Lbs. **$7 50**

This is a good, durable, well constructed long life fan that is attractive in appearance, and gives a very effective breeze with practically no noise and at a low wattage consumption.

One in a Box. Ten in a Case.

ELECTRIC HEATERS

"UNIVERSAL" STANDARD

Dark Bronze Enamel Finish, Heavy Metal Base, Water Leaf Design

Each

No. E-9953—625 Watts, 12 in. Plain Solid Copper Reflector, Highly Polished, 16 in High Over All, Complete with 8 ft. Olive Green Mercerized Cord and Standard Attachment Plug. Weight Each Packed About 8 Lbs. **$7 50**

One in a Carton. Three in a Package

ELECTRIC HEATERS

"UNIVERSAL" SUPER-FOURTEEN

Dark Bronze Enamel Finish, Heavy Metal Base, Water Leaf Design

Each

No. E-9954—625 Watts. 14 in. Plain Solid Copper Reflector, Highly Polished. Height Over All 16 in., Complete with 8 ft. Olive Green Mercerized Cord and Standard Attachment Plug. Weight Each 8 Lbs. **$8.50**

One in a Carton, Three in a Package.

"UNIVERSAL" SUNFLOWER

"The Heater Beautiful," Florentine Bronze Finish Heavy Metal Base, Water Leaf Design

Each

No. E-9955—625 Watts. 13 in. Solid Copper Fluted Reflector, Highly Polished, 16 in. High Over All, Complete with 8 ft. Olive Green Mercerized Heater Cord and Standard Attachment Plug, Weight Each Packed 8 Lbs. **$8.00**

One in a Carton, Three in a Package.

These "Universal" Electric Heaters bring clean, safe and cheery heat to small chilly places and are so very attractive that they form an ornament to any room.

Each model has a long life heating unit with Edison screw base which can be replaced in a moment. Detachable wire guards on all models, easily removable. Reflector is adjustable to any angle and has convenient cool handle on the back

HOME MOTORS

HAMILTON-BEACH

Operates on Both A. C. or D. C., 105 to 115 Volts 25 to 60 Cycles

Each

Home Motor—Complete with Cord, Attachment Plug Speed Control Pedal and Can of Oil, Weight Each Packed 8¾ Lbs. **$18.50**

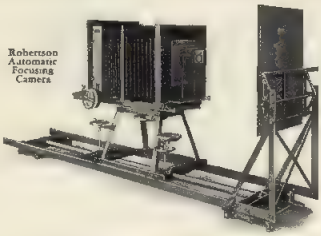
This amazingly simple motor makes any old or new sewing machine a self-operating electric machine. It is merely placed next to the hand wheel—that's all; no tools or screws or clamps or belts. The Machine is unmarred. Wearisome and health endangering pedal drudgery is abolished forever

The machine always starts the right way automatically, never breaks a thread. Sews fast or slow or speeds between. Controlled by a slight pressure on the Speed Control Pedal

Uses less than a cents worth of current an hour.

One in a Box.

Robertson Etching Machine



Robertson Automatic Focusing Camera

Robertson Products

Copper Etching Machines	Plate Holders	Electric Plate Whirlers
Zinc Etching Machines	Bellows	Vacuum Printing Frames
Cameras	Ground Glass	Ventilating Equipment
Camera Stands	Silver Baths	Automatic Exposure Timers
Screens	Positive Holders	Automatic Light Switches
Projection Appuratus	Filter Holders	Silver Draining Racks

326 W. Madison St. **R. R. ROBERTSON** *Chicago, Illinois*

Manufacturing Photo-Engravers Association of New Jersey

NEWARK, NEW JERSEY

Our Achievement has been thru working toward an ideal in **Photo Engraving;** keeping abreast of the advancement in its technique; enthusiastic about its boundless possibilities in the illustrating of the printed word and the inestimable value of reproductions in conveying desired impressions in behalf of the products of concerns we have served for many years.

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48 MECHANIC ST. NEWARK, N.J.
ART DEPT-PLATES IN EVERY KNOWN TECHNIQUE

Gas, they buy every week . . .
Oil, they need twice a month—
But a horn they buy only once!

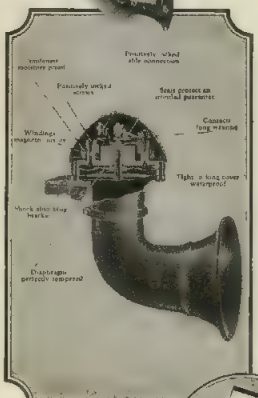
YOU could *afford* to be satisfied with a small profit per gallon on items like gas and oil. For every customer is buying such necessities all the time. The "repeat" business is steady. The turnover is rapid.

But when you sell horns, it's a different proposition. You never sell the same customer a new horn every week or every month. "Repeats" don't figure in horn sales. Therefore it's good business to push the horn you make the most money on, per sale.

Now on a cheap horn, your profit is only $2.50 or $3.00. While on the best horn you can sell him—the Original-Bosch horn—you earn triple profits—about $10. or more (depending on quantities).

In spite of low-priced, low-quality imitators, sales of this Original-Bosch horn are steadily increasing. Dealers, disgusted with complaints and come-backs of cheap horns, have rallied to Original-Bosch.

Because they know that this horn will not get out of order, need attention or fail the driver in an emergency. They find their customers perfectly willing to pay the extra price, when they learn that the Original-Bosch horn will actually outlast the life of the car itself! And dealers feel it is good business to earn the triple profits which the Original-Bosch horn alone makes possible.



Write for triple profits plan

If you want to earn triple profits, identify your store with the best, and render a real service to your customers, write today for full information about the Original-Bosch horn plan which offers a larger discount to dealers and enables you to carry this horn without loading yourself up. We will also send you our new folder "A horn that increases the speed of your car" containing a striking new sales measure that makes it easier to sell Original-Bosch horns.

The Original Bosch

ROBERT BOSCH MAGNETO CO., Inc.

No connection with any other company or firm bearing the name "Bosch"

The full name Robert Bosch and the trademark appear on all Original-Bosch products—your guaranty of Original-Bosch quality as known the world over since 1881.

Robert Bosch Magneto Co., Inc.
3801B Queens Boulevard
Long Island City, New York.

Please send copy of new folder "A horn that increases the speed of your car," and complete information explaining how I can make triple profits from the sale of Original-Bosch horns.

Address .....

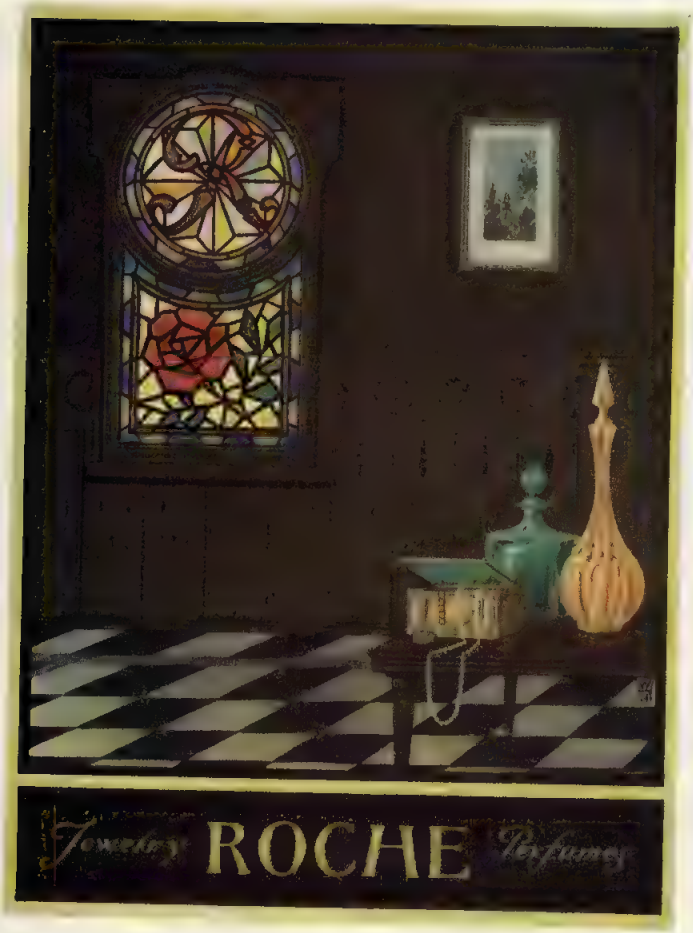
Name .....

Four Color Process Plates 150 Line Screen

THE DIAGNOSIS

Photographed from Life—*Autochrome by* R. C. KROLL

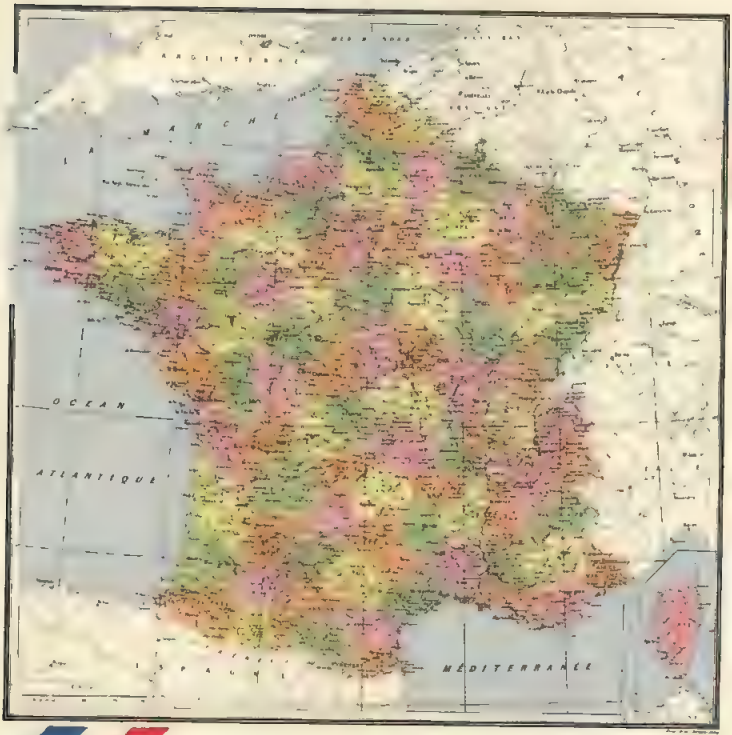
Engraved by BARNES-CROSBY COMPANY of Missouri



Painting by H. W. Hetherington

FOR OVER FIFTY YEARS PURVEYORS TO THE SENSES

This Insert of Four Pages Printed by CRAWFORD ENGRAVING CO.
PROVIDENCE, R. I.



Drawn by Hollel-Wisme, Bertillon *Courtesy of Librairie Aristide Quillet*

Four Color Hendoy Plates on Zinc

MAP OF FRANCE

Inhabitants 40,743,851 (March 1926)
Total area 550,986 Square Kilometers
Territory divided into 90 departments
Commercial Harbors—13

Railways 61,396 Kilometers
Waterways 12,033 Kilometers
Rivers—5

Engraved by ANCIENS ETABLISSEMENTS GILLOT, PARIS

The Romance of Printing

Courtesy Union Drawn Steel Co.

THIS INSERT OF FOUR PAGES
Designed and engraved by Meek & Wearstler Adv. Agency and the Youngstown Arc Engr. Co., Youngstown, Ohio.
Printed by the Britton-Gardner Ptg. Co., Cleveland, Ohio.
Collins Laidtone 80 lb. base—A. M. Collins Mfg. Co., Philadelphia, Pa.

SAND TOYS

SAND PAILS WITH SHOVELS

1F2860 Assorted pastel colors, wooden handle with contrasting color tip, 5½ in. pail, 1 doz. shovels in box. Doz. 79c. Gro. $9.00

1F2861 5½ in. assorted color pails, wooden handle, wide handle with hole in end, 1 doz. shovels in box. Doz. 95c. Gro. $11.00

1F2864—4 in. assorted color pails, wooden handle with hole in end, 1 doz. in box. Doz. 89c. Gro. $10.25

1F2865—5½ in. assorted color pails, wooden handle with hole in end, 1 doz. in box. Doz. $2.00. Gro. $22.80

SAND BOAT

1F2866—10½ in. long, 4 in. wide, yellow and blue finish, disc wheels. Doz. $2.10

SAND SHOVEL

1F2800 Assorted color wooden handle with hole in end. Doz. 96c. Gro. $11.00

"WOLVERINE" SPRINKLING CAN

Guaranteed Not to Leak

1F2867—7 qt. galvanized iron, brass bottom, assorted colors. Doz. $3.95

WINDMILL SAND TOY

1F2867 Assorted color wooden windmill with flag, 2 wooden pails, 2 wooden shovels, 1 wooden rake, 1 wooden hoe, 1 wooden sieve, 1 wooden scoop, 1 wooden sprinkling can, 1 wooden watering can, 1 wooden spade, 1 wooden trowel, 1 wooden fork

RUBBER BALLS

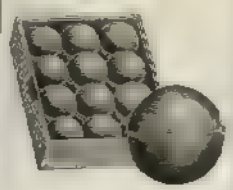
PLAIN RED SPONGE RUBBER BALLS

STAR VALUE

First quality goods made of finest red sponge rubber

	In Box Diam	Doz Gro	Doz
1F1512	1½ in.	⅔	4.35 .38
1F1477	1¾ "	1	9.00 .80
1F1490	2¼ "	1	1.90

ENAMELED SPONGE RUBBER BALL ASST.



Enameled in bright colors Asstd 1 doz in box

1F1497—2¼ in. diam. Doz 80c

1F1498—2¾ in. diam. Doz $1.80

"MILLER" COLORED AND STRIPED BALLS

STAR VALUE

Bright assted colors containing stripes red blue orange purple green

	In Diam.	Box	Gro	Doz
1F1541	2 in.	6 dz	7.50	.65
1F1542	2½ "	1 "		1.95
1F1543	3 "	½ "		3.95
1F1544	3 "	½ "		6.75

PLAIN GOLF PATTERN INFLATED BALLS

Best quality white rubber nobby golf pattern well inflated

	Diam	In Box	Gro	Doz
1F1560	2¼ in.	1 dz	8.20	.72
1F1561	2½ "	1 "	9.25	.82
1F1537	3½ "	1 "		1.75
1F1538	5 "	½ "		3.75

A. B. C. EDUCATIONAL BALLS

Colored Stripes

The largest assorted [illegible] stripes [illegible] Printed [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

	Diam	In Box Doz	Gro	Doz
1F1580	2½ in.	1	$9.60	$0.84
1F1581	3½ "	½		1.95
1F1582	5 "	½		3.90
1F1584	7½ "	½		9.00

STRIPED GOLF PATTERN INFLATED BALLS

STAR VALUE

Best quality white rubber, bright colored stripes

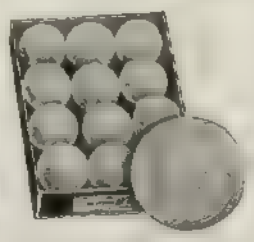
	Diam.	In box	Doz
1F1429	2¼ in.	1 doz	$0.78
1F1407	2½ "	1 "	.89
1F1408	3 "	1 "	1.95
1F1602	3½ "	½ "	3.95
1F1415	5 "	½ "	6.75

MILLER "STAR" INFLATED BALLS

"White Star"—Fine white rubber

1F1546—3 in., 3 doz. in box, Gro $4.80 Doz 42c

"MILLER" RUBBER BASEBALLS



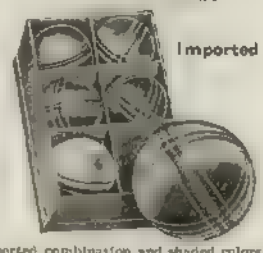
Pure heavy rubber baseball style, well inflated. 1 doz. in box

1F1529—2 in. diam Doz 42c Gro $4.80

1F1530—2½ in. diam Doz 84c Gro $9.60

INFLATED BALLS

Imported



Assorted combination and shaded colors with various colored stripes that appeal to the youngsters. Excellent finish. Excellent bounces. Assorted packed in boxes.

	Diam	In Box	Doz
2F8527	2½ in.	1 doz	$0.96
2F8527	3½ "	1	1.95
2F8534	4 "		3.00
2F8528	4½ "		3.75
2F8532	5½ "		6.50
2F8539	6 "		8.00

COLORED AND STRIPED INFLATED BALLS

1F1508—2½ in. diam. Assorted colors bright contrasting stripes. 1 doz in box Doz 80c

MILLER RUBBER BALL ASSORTMENT

9 Styles—White with colored stripes, solid colors and colored with stripes. 1½ in. to 3 in. sizes. Assted.

2 to sell for	5c	2 to sell for	50c	
1	15c	1	80c	
1	20c	1	80c	
3	25c	1	85c	
1	50c			

Total Retail Value $4.50

1F1439—12 in display box. Assorted ball $2.50

"WEAVER'S" HEALTH RUBBER BALLS

High grade rubber. Fire tested. Assorted colors and printed. Guaranteed not to wear off.

1F1581—5½ in. diam. black with colored stripes and mottled. Asstd. ½ doz in box Doz $4.20

1F1583—7 in. diam. black with colored stripes and mottled. Asstd ½ doz in box Doz $8.40

1F1586—10 in. diam. bright mottled colors. 1 in box. Each $1.65

1F1587—12 in. diam. light multiple colors. 1 in box. Each $2.50

INFLATED PLAY BALLS

Strongly stitched waterproof cover, heavy rubber bladder each in box.

1F1577—6½ in. 8 bright colors. Asstd ½ doz in pkg Doz $4.00

1F1475—12 in. 8 bright colors, beaded tip lacing ½ doz in pkg Doz $8.00

RETURN BALLS

1F1631 1¾ in. diam. white rubber, 36 in rubber [illegible] 2 doz. in carton

Doz 32c Gro $3.60

SPONGE RUBBER TENNIS BALL

1F1481—2½ in. felt nap cover 1 doz in box Doz $1.85

PENNY JACK BALL

1F1483—⅞ in. diam., solid gray rubber 1 gro in box Gro 89c

Noisy — BALLOONS — Novelty

SEAMLESS BALLOONS

Splendid assortment of colors

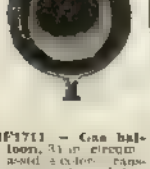
1F1683 "Jumbo," 14 in. dirigible assted 4 colors 1 gro in pkg Gro 89c

Round—3 colors

1F1675—15½ in. circum. 1 gro in pkg Gro 92c

1F1676—22 in. circum. ½ doz in pkg Doz 16c Gro $1.70

1F1677—31½ in. ½ doz in pkg Doz 25c Gro $2.80



1F1711—Gas balloon, 31 in. circum. assted 4 colors, transparent color 1 doz in pkg Gro $4.00 Doz 36c

NOISY BALLOONS

Round "Squawker"—Assted, 4 colors

1F1[illegible] 15 in. circ. 1 doz in pkg Doz 16c Gro $1.80

1F1712 25 in. circ. 1 doz in pkg Doz 37c Gro $4.20

Airship "Squawker"—Assted 4 colors.

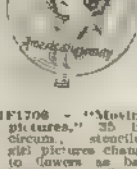
1F1718 18 in. long. ½ doz in pkg Doz 16c Gro $1.70

1F1720 34 in. long. 1 doz in pkg Doz 39c Gro $4.45

NOVELTY BALLOONS

1F1674—31 in. circum., assted. 4 colors, 2-color bird designs 2 doz. in box Doz 35c Gro $4.00

1F1685—30 in. assted colors, stenciled pictures with valve. ½ doz in pkg Gro $4.45 Doz 39c



1F1708—"Moving pictures," 35 in. circum., stenciled girl pictures change to flowers as balloons are inflated 1 doz. in pkg Gro $4.35 Doz 38c

1F1680—30 in. circum., assted stenciled characters sound squawker 3 doz. in env. Doz 42c Gro $4.80

"SKI-HI" ASSORTMENT

14 Doz. Best Sellers

1F1689—[illegible] balloons—all first [illegible] With free price tickets, like cut for store interior and large poster window display.

4 doz. to [illegible] at	[illegible] each
3	4c
4	5c
2	10c

Total retail value $7.20

14 doz. assted styles and colors in display box ASST (14 doz) $4.95

FLAG AND SHIELD DESIGN BALLOONS

1F1696—18 in. [illegible] size, assorted flag and shield designs, best grade rubber. Designs printed in colors very prominently when balloons are inflated. 1 doz. in env. Gro $4.20 Doz 37c

DUPLEX FIRELESS COOKERS

Stove Casing Made of Steel, with Strong Reinforcements on Inside Making Warping, Cracking or Buckling Impossible. Stove Lined with Pure Aluminum. Separate Cover for Each Compartment. Stove Enamel Finished. More and Larger Aluminum Vessels than Any Other Cooker Deep Wells. All Stoves have Complete Equipment.

No. 0 Duplex

Equipment:
Two Aluminum Vessels, 4 Qt. and 2 Q One Large Baking and Roasting Dish, Automatic Steam Vent in Lid Dish Lifter, Duplex Aluminum Mat, Duplex Cook Book. 14 Ins. High, 12½ Ins. Diameter. Each

†No. 0 . . . . .

Packed 1 in a crate.

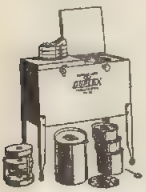
No. 35 Duplex

Equipment.
Two Aluminum Vessels, 8 Qt. and 4 Qt (Shallow) Two Large Baking and Roasting Dishes Folding Baking Rack, Automatic Steam Vent in Lid Disk Lifter Duplex Aluminum Mat, Duplex Cook Book. Legs with Stove. 18½ Ins Long, 14½ Ins Wide, 18 Ins. High. Each

†No. 35 . . . . . .

Packed 1 in a crate.

No. 55 Duplex



Equipment:
Four Aluminum Cooking Vessels One 10 Qt., One 4 Qt (Deep) and Two 2 Qt., Three Large Baking and Roasting Dishes, Disk Lifter, Folding Baking Rack. Two Duplex Aluminum Mats, and Duplex Cook Book. Legs with Stove. 30 Ins. Long, 15 Ins. Wide, 18 Ins. High. Each

†No. 55 . . . . . .

No. 5 Duplex

Equipment.
Two Aluminum Vessels, 8 Qt. and 4 Qt.; Two Large Baking and Roasting Disks; Folding Baking Rack. Automatic Steam Vent in Lid, Disk Lifter; Duplex Aluminum Mat, Duplex Cook Book 14 Ins. High; 12½ Ins. Diameter. Each

†No. 5 . . . . .

Packed 1 in a crate

No. 50 Duplex

Equipment:
Four Aluminum Cooking Vessels, One 8 Qt. Three Low-Lipped Round Vessels 2 Qts. Each. Three Large Baking and Roasting Disks, Disk Lifter Folding Baking Rack; Two Duplex Aluminum Mats and Duplex Cook Book. Legs with Stove. 30 Ins Long, 15 Ins Wide, 18 Ins High Each

†No. 50. . . . . .

Packed 1 in a crate.

No. 60 Duplex

Equipment:
Five Aluminum Cooking Vessels, One 10 Qt., Three One-third, One 4 Qt. (Shallow), Three Large Baking and Roasting Disks, Disk Lifter, Folding Baking Rack, Two Duplex Aluminum Mats and Duplex Cook Book. Legs with Stove. 30 Ins Long, 18 Ins Wide, 18 Ins High. Each

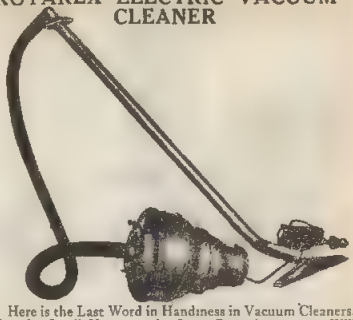
†No. 60 . . . . . .

Packed 1 in a crate.

†For shipment from factory only

F.O.B. Mounds, Ind.

ROTAREX ELECTRIC VACUUM CLEANER



Here is the Last Word in Handiness in Vacuum Cleaners. For the Small Home or the Snug Cozy Apartment, Will Clean Every Part of the House and Can be Stored in a Very Small Space.

Constructed Almost Wholly of Aluminum the Rotarex is Light and Durable. No Switches, Wheels or Other Moving Parts. Embodiment of the Simplest Idea Conceivable. It is the Biggest 7½ Lbs. of Convenience, Handiness and Service Imaginable.

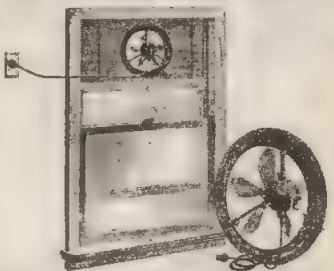
The Rotarex has a Powerful Suction and the Motor, the Heart of the Cleaner is as Powerful and as Well Made as in Any Higher Priced Machine. Oil-less Bearings Make Oiling Unnecessary.

The Rotarex is Made of the Fewest Parts of Any Vacuum Cleaner Made. It is Easily Emptied, Takes Up Very Little Room, is Conveniently Moved About, and is Fully Guaranteed.

List Each

No. 2450—(Complete) $25.50
Four, Individually Boxed in a Carton, Weight 52 Lbs.

ROTAREX HOME VENTILATION FAN



The Fan Embodies the Same Correct Principles as the Aeroplane Propeller. The Motor is Fully Enclosed, Dust Proof and Self-Cooling Lubrication is so Effectually Handled as to Require Attention Only at Very Infrequent Intervals. It is Quiet in Operation and Economical in the Consumption of Current

Solid One-Piece Aluminum Casting. Light but Strong and Accurately Balanced. Woven Fabric Supports which Absorb Vibration. Cast Aluminum Frame.

Capacity Per Minute	600 Cu. Ft
Diameter Fan	12 Inches
R. P. M.	1200
Weight with Panel	15 Lbs.

List Each

†No. 3950 . . . . . $39.60

One in a Carton Weight 23 Lbs.
† For Shipment from Factory Only.
† F.O.B. Cleveland, Ohio

TABLE LAMPS IN PLEASING COLORS

Boudoir Lamp. Russetone, cast white metal base, push button socket, two piece plug, height 15 inches, shade 8 inches
H6632. Each..... **$9.96**

Library lamp is 25 inches high and fitted with an 18 inch round glass shade decorated in the original colors of oak leaves in Autumn when they turn from green to brown. The background is of a warm glow of ruby. This shade is mounted on an artistic standard of urn effect finished in antique gold harmonizing beautifully with the design of the shade; furnished with 3 pull chain sockets and 6 feet of silk cord
H6633. Each..... **$70.00**

End Table or Boudoir Lamp. 18¾ inches high with shade to match, 12 x 8½ inches oval. Furnished with 6 feet of electric cord plug and socket, one light. The stand of this lamp is a conventional design, manufactured in casting metal, and finished in venetian antique bronze. The shade is of oval glass, and is manufactured of what is known as Pompeian Glass, being of a rich bronze color, beautifully mottled in construction. The lamp as a whole, is a very artistic and classic item
H6634. Each..... **$25.00**

Early Fall, the old trees are turning Brown. The Summer sun has burned the landscape, turning it to Tan and Brown tones. A sunset sky is cast in Red and Yellow. A Bronze finish base is recommended. 21 inches high, 16 inch shade
H6635. Complete..... **$48.00**

An old Chinese Bridge of natural stone with the Oriental house of Red and Yellow. Trees and shrubbery of Tan, Yellow and Green. The rocky river banks are reflected in the Blue waters. Purple hills and delicate Blue sky complete a CLASSIQUE Masterpiece on a Bronze finished base of Chinese character. 18 in Shade, 24 inches high
H6636. Complete..... **$70.00**

Landscape taken from Scott's "Lady of the Lake" showing mountains in vivid Purple. A golden Yellow and Blue sky reflects in Loch-Katrine, the beautiful lake. The shaggy heathery foreground is of Brown heath and Purple heather. This beautiful scene is painted after the style of Carot, and is suggested on a Verde Antique base. 18 inch shade, 24 inches high.
H6637. Complete..... **$75.00**

Bases are equipped with two pull chain sockets, parallel silk cord and two-piece attachment plug.

Painted by N. C. Wyeth © *Charles Scribner's Sons*

From "MICHAEL STROGOFF"

Four-color Process. *Engraved for* CHARLES SCRIBNER'S SONS.

By Powers Reproduction Corporation

LOWELL SHERMAN

RUDOLPH VALENTINO

CHARACTERS FROM "MONSIEUR BEAUCAIRE"

Photographed in color, direct from life. *Courtesy of* FAMOUS PLAYERS-LASKY CORPORATION.
Four-color Process

By Powers Reproduction Corporation

KNIFE SHARPENERS

CARBORUNDUM

A Round Carborundum Shaft, Firmly Secured to Stained Wood Handle by a Steel Rod Extending its Entire Length. Nickel Plated Ferrule and Guard.

Per Dozen

No. 76—Length Over All 14 in $6.00

One Dozen in Display Box.

BUTCHER STEELS

No. 54 —Double Cut Steel, Black Enameled Grooved Handle, White Metal Round Guard, Nickel Plated Ferrule, Galvanized Ring and Swivel.

Length Blade, Inches.....	10	12	14
Per Dozen	$12.50	15.00	18.00

One-half Dozen in a Box.

HOUSEHOLD CLEAVERS

RUSSELL

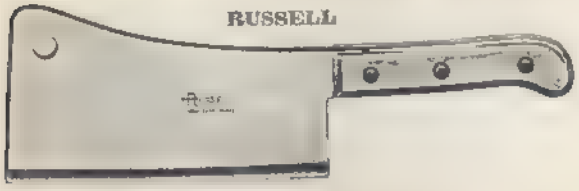
Beechwood Handle, Riveted

Per Dozen

No. 2346—6 in. Forged Steel Blade, Weight Each 10 Oz. $11.50

LAMB CLEAVERS

RUSSELL



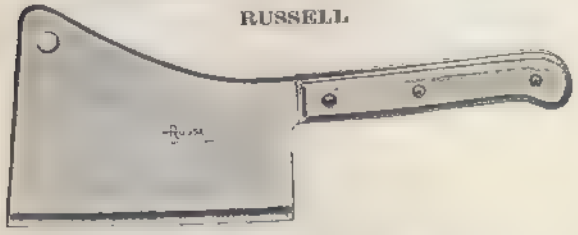
No. 2581—Beechwood Handle

Full Forged Solid Steel Blade and Tang, Heavy Steel Rivets.

Length Blade, Inches.....	7	8	9
Weight Each.....	1 lb. 3 oz.	1 lb. 9 oz.	2 lb. 2 oz.
Per Dozen.....	$39.00	43.00	47.50

MARKET CLEAVERS

RUSSELL



No. 2580—Beechwood Handle

Full Forged Solid Steel Blade and Tang, Heavy Steel Rivets.

Length Blade, Inches.....	7	8	9
Weight Each	2 lb. 11 oz.	3 lbs.	3 lb. 6 oz.
Per Dozen	$51.00	54 50	60 50

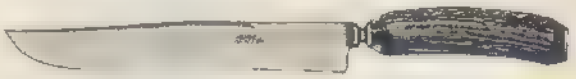
BEEF CARVERS

RUSSELL

Hand Forged High Carbon Crucible Steel

Per Pair

No. 1521—Two Pieces, Knife and Fork, 8 in. Blade, Vul-Stag Handles, Nickel Silver Caps Folding Guard on Fork.....$3.50



Hand Forged High Carbon Crucible Steel

Per Pair

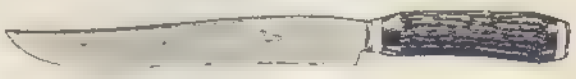
No. 1541—Two Pieces, Knife and Fork, 8 in. Blade, Vul Stag Handles, Nickel Silver Caps, Folding Guard on Fork.....$3.50

Hand Forged High Carbon Crucible Steel

Per Pair

No. 1561—Two Pieces, Knife and Fork, 8 in. Blade, Vul-Stag Handles Nickel Silver Caps, Folding Guard on Fork $3.50

RUSSELL STAINLESS



Forged Best Grade Stainless Steel

Per Set

No. 16792—Three Piece Set, Knife, Fork and Steel. 8 in. Blade, Vul-Stag Handles, Nickel Silver Caps, Folding Guard on Fork.....$7.40

Forged Best Grade Stainless Steel

Per Set

No. D76791—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Genuine Stag Handles, Heavy Sterling Silver Ferrules, Folding Guard on Fork. $8.70

Forged Best Grade Stainless Steel

Per Set

No. L16691—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Vul-Stag Handles, Nickel Silver Ferrules, Folding Guard on Fork.....$6.70

Forged Best Grade Stainless Steel

Per Set

No. EX16791—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Vul-Stag Handles, Nickel Silver Ferrules, Folding Guard on Fork.....$7.50

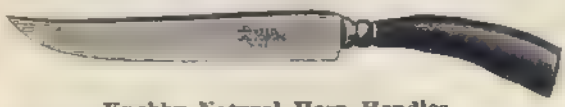
Note—Vul-Stag (Hard Rubber) Handles are Indestructible. Will not crack nor burn.

All Above, One Pair or Set in Cloth Lined Box.

BEEF CARVERS

RUSSELL STAINLESS

Stainless Blades are forged from best grade of steel. Forks have a folding guard.



Knobby Natural Horn Handles

Per Set

No. E56697MF—Three Piece Set, Knife, Fork and Steel, 8 in. Mirror Finish Blade, Sterling Silver Ferrules, Folding Guard on Fork. $11.50

Genuine Stag Handles

Per Set

No. C75692—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Sterling Silver Ferrules, Folding Guard on Fork. $10.00

Zylonite Ivory Grain Handles

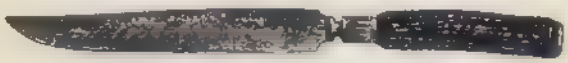
Per Set

No. 45698—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Folding Guard on Fork. $8.80

Zylonite Ivory Grain Handles

Per Set

No. 45695—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Folding Guard on Fork. $7.75

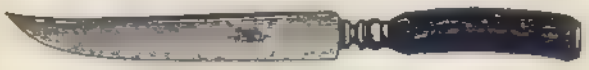


Genuine Stag Handles

Per Set

No. A75691—Three Piece Set, Knife, Fork and Steel, 8 in. Blade, Sterling Silver Ferrules, Folding Guard on Fork. . . . . $ 9.80

No. A75691-5—Five Piece Set, Same as Above, with 6 in. Blade Knife and Fork in Addition. 15.50



Genuine Stag Handles

Per Set

No. E75691—Three Piece Sets, Knife, Fork and Steel, 8 in. Blade, Sterling Silver Ferrules, Folding Guard on Fork. $10.00

No. E75691-5—Five Piece Set, Same as Above, with 6 in. Blade Knife and Fork in Addition. 17.00

All Above, One Set in a Cloth Lined Box.

BIRD CARVERS

Zylonite Ivory Grain Handles

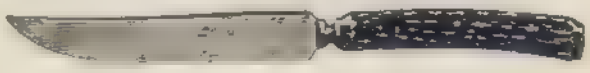
Per Pair

No. 44895—Two Pieces, Knife and Fork, 6 in. Stainless Steel Blade, 2 Prong Fork. $8.80

BIRD CARVERS

RUSSELL STAINLESS

Stainless Blades are forged from the best grade of steel, No Guard on Forks



Vul-Stag Handles

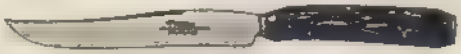
Per Pair

No. 15691—Two Pieces, Knife and Fork, 5½ in. Blade, Nickel Silver Caps 85 20

Vul-Stag Handles

Per Pair

No. L16691—Two Pieces, Knife and Fork, 5½ in. Blade, Nickel Silver Ferrules. $6.00



Vul-Stag Handles

Per Pair

No. 16791—Two Pieces, Knife and Fork, 5½ in. Blade, Nickel Silver Caps. 85 20

Genuine Stag Handles

Per Pair

No. C76791—Two Pieces, Knife and Fork, 5½ in. Blade, Sterling Silver Ferrules. $6.00

All Above, One Pair in a Cloth Lined Box.

MEDIUM KNIVES AND FORKS

STEAK PATTERN

Hard Rubber Handles

Per Set

No. 1209—Knives and Forks, Polished Stainless Steel Swaged Blades, 3⅞ in. Handles, Four Tine Forks $8.00

Ivoride Handles

Per Set

No. 2209—Knives and Forks, Polished Stainless Steel Swaged Blades, 3¾ in. Handles, Four Tine Forks $9.00

Zylonite Ivory Grain Handles

Per Set

No. 4409MF—Knives and Forks, Stainless Steel Mirror Finish Swaged Blades, 3¾ in. Handles, Four Tine Forks. $15.00

Ebonwood Handles, Nickel Silver Rivets

Per Set

No. 66169—Knives and Forks, Polished Stainless Steel Swaged Blades, Four Tine Forks. $6.00

One Set (Six Knives and Six Forks) in a Box.

NEW KEY CUTTING MACHINE

Adjustments take up Wear at every point

Bronze Bearings

Adjustments Insure Accuracy

Here is an Absolutely Tight Key Cutting Machine that, Because it Can Be Adjusted to Take Up Wear at Every Point, Insures Accuracy of Cutting During Its Long Life

Duplicate Keys for All Makes of Pin Tumbler Locks. Has Cast Iron Case and Cast Iron Base. Has Hardened Steel Arbor and Cutter Bench Jaws Made of Cast Steel and Hardened After Milling. Has File Cut Ins in Diameter Grooved Wheels, Fitted with Vulcanized Fiber Gears. Has Bronze Bearings Adjustable to Take Up Wear. Rod Adjustments on All Pressure Points. Case Japanned and Finished in Black Enamel. Size of Base, 14 x 7 Inches. Each

No. 525

One in a Box
Weight Each about 8 Lbs.

RUSSWIN KEY CUTTING MACHINE

The Best All-around High-grade Key Cutting Machine We Have Come Across. A Big Money Maker.

Equipped with Milling Cutter for Cutting Pin Tumbler Keys

Equipped with Cutting Saw for Cutting All Keys Except Pin Tumbler

The Russwin Key Cutting Machine is another well-built product of the Make of Pin Tumbler Keys, as it always has been. Not only does it make duplicate Keys by following the Cutter and Gauge Method, but it is equipped with Two Types of Keyway Cutters and Cutting Saw for Cutting Certain Kinds of Keys. As it Hinged Vise Slide, Locking Key, Key Holder in Front, Set Up Stop, Index Pointer, Setting Stop, (C1) Two Gauges, One for Cylinder and One for Other Keys, (D) Adjusting Lever, (E) Hand or Power Operated Drive Wheel.

Each

No. 50

One in a Box. Weight About 12 Lbs.

KEY FILING JIG

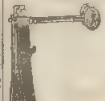
For Filing A Pin Tumbler Key to Fit Lock Shown in Illustration Above. Consists of Steel Vise with an Angular Notched Key and Corresponding Blank in Position for Using Hand Notch File. The Use of This Clamp Makes It Easy to Maintain a Firm and Even Pressure on Each Side of Key Blank. Graduations Above Notches Show Exactly Where to File. Purchase Will Pay for Itself Many Times Over in Time Saved. Switches and Locksmiths and Others Frequently Facing the Hand Filing of Pin Tumbler Keys, The Best Method Yet Devised. Better Than Any Other.

The Jig is Furnished Complete as Illustrated, with Two Gauges, One for Square Bottom Bits and One for Round.

Each

No. NC750

COMMON KEY CLAMP



Makes Easy the Filing of Keys to Fit Locks Shown in Illustrations of Common Keys. With the Aid of This Clamp, Practically All Types of Old Fashioned Door, Trunk, and Padlock Keys Can be Filed Quickly and Accurately. Will Hold Keys of 3 Inches and Smaller.

The Shown the Clamp are Actual Size.

Each

No. NC300

MISCELLANEOUS HARDWARE ASSORTMENT

Corbin

An Assortment of Corbin Hardware with a Handy Cabinet Made of Selected Hardwood Finished in Oak and Fitted with Drawers and Shelves are Arranged in the Cabinet to Accommodate All of the Hardware Furnished with Assortment with Room for More.

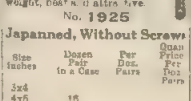
Size of Cabinet, 19 Inches High, 15 Inches Wide, 13½ Inches Deep. Weight of Case and Contents, 53 Lbs.

Assortment Includes 47 different Articles—in All 48-41/12 Dozen, as Follows, One of Each Article Being Mounted on the Face of the Cabinet:—

3 Doz.	No. 1764 Shelf Rests	3.50 Doz.	$ 90
1 Doz.	No. 0320 Fire Door Catches	.35 Da.	1.50
1 Doz.	No. 329 ½ Sash Cam Catches	.10 Da.	1.10
12 Only	No. 1901 Card Holders		.10 Ea.	1.20
12 Only	No. 1953 Card Holders		.15 Ea.	1.80
24 Only	No. 1950½ Door Pulls		.06 Ea.	1.44
			.05 Ea.	.60
			.08 Ea.	.96
			.10 Ea.	1.20
			.15 Ea.	.90
			.05 Pr.	2.27½
			.18 Pa.	1.11
			.15 Pr.	2.71½
			.20 Pr.	1.80
			.20 Pr.	1.80
			.20 Pr.	1.80
			.25 Pr.	1.67½
6½ Pr.	No. 2439 Box Hinges		.35 Pr.	1.68½
			.05 Ea.	.30
			.05 Ea.	.30
0 Only	No. 2		.10 Ea.	.60
6 Only	No. 2300½ Hinge Flaps		.10 Ea.	.60
6 Only	No. 2302½ Hinge Flaps		.12 Ea.	.72
12 Only	No. 2305½ Hinge Flaps		.15 Ea.	1.80
12 Only	No. 2012½ Hinge Flaps		.35 Ea.	4.20
6 Only	N		.30 Ea.	1.80
6 Only	N		.30 Pa.	1.80
3 Only	N		.75 Ea.	2.25
6 Only	No. 2		.10 Ea.	.60
6 Only	No. 2		.10 Ea.	.60
12 Only	No. 2		.04 Ea.	.48
12 Only	No. 3703½ Mending Straps		.05 Ea.	.60
12 Only	No. 3304½ Mending Straps		.06 Ea.	.72
12 Only	No. 3600½ Brackets		.08 Ea.	.96
12 Only	No. 3602½ Brackets		.35 Ea.	4.20
12 Only	No. 3		.06 Ea.	.72
12 Only	No. 3603½ Brackets		.08 Ea.	.96
12 Only	No. 3605½ Brackets		.10 Ea.	1.20
12 Only	No. 3814½ Corner Plates		.06 Ea.	.72
12 Only	No. 3815½ Corner Plates		.10 Ea.	1.20
12 Only	No. 3823½ Corner Plates		.10 Ea.	1.20
12 Only	No.		.10 Ea.	1.20
12 Only	No.		.10 Ea.	1.20
2 Only	No. 3		.90 Ea.	2.40
2 Only	No. 3		.10 Ea.	1.20
2 Only	No. 3		.15 Ea.	1.80
				Per Assortment

No. 3400

SHELF BRACKETS



WROUGHT STEEL CORRUGATED

Shape of Frame and Double Corrugated Brace give great supporting power, light weight, neat and attractive.

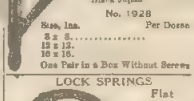
No. 1925

Japanned, Without Screws

Size Inches	Dozen Pair in a Case	Per Doz. Pairs	Quantity Price Per Doz. Pairs
3x4			
4x6	18		
5x6	15		
5x7	12		
6x8	8		
7x9	5		
8x10	5		
10x12	3½		
12x14	3½		
16x18	1½		

Sizes 4 x 5 and Smaller, One dozen pairs in a case. 5 x 7 and Smaller half-dozen pairs. Larger sizes, quarter dozen pairs in a box.

FOLDING SHELF BRACKETS



Made of Wrought Steel Supporting Arm Folds in Middle as Shown in Illustration. Finished in Black Japan

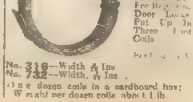
No. 1928

Size, Ins.	Per Dozen
8 x 8	
12 x 12	
16 x 16	

One Pair in a Box Without Screws

LOCK SPRINGS

Flat



Tempered spring steel. 24 Gauge. For Rim Door Locks. Put Up In Three Different Coils

No. 318—Width ¾ Inch
No. 732—Width, ½ Inch

One dozen coils in a cardboard box; Weight per dozen coils, about 1 lb.

KEY CUTTING MACHINES

RUSSWIN

Cuts duplicates of all makes of pin tumbler cylinder, flat, double bit, solid and hollow ground keys by changing the cutter and gauge accordingly.

Equipped with two types of cutters, one milling cutter (F) and gauge for cutting pin tumbler keys and two cutting saws and gauges for all other types of keys.

Hinged vice (A,A) holds both original key and blank to be duplicated in rigid and correct position; a shelf on the vice supports the bow on cylinder key. On each vice there is a hinged stop which screws both as a top shoulder stop (B1) and a setting stop (B2); the shoulder is indispensible when cutting cylinder keys, all cutting from original cylinder key should be started from the top shoulder. Stop (B1) insures accurate reproduction of the original key; the setting stop (B2) gives the correct distance from the cutter to the gauge (C) by resting the shoulder of one stop (B2) against the cutter and the shoulder of the other stop (B2) against the gauge (C).

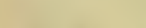
Two gauges (CC) one for cylinder and one for other types of keys are furnished with machine. After original key and blank to be cut are placed in position, raise lever (D) turning handle (E) until cutter engages and cuts into blank to be duplicated. Equipped with .035 and .062 inch saws.

Operates by hand or motor.

		Each
No. 50	Complete with saw and two cutters	✚ $82 50
Extra milling cutters		✚ 15 75
Extra cutting saws		✚ 8 40

One in wood box; wt each 12 lbs.

DOOR PULLS



Wrought steel; length over all 5 inches.

		Per Doz	Per Gro
No. 1650	Japanned	$1 05	11 10
No. 1660	Mottled old copper, with screws	1 20	11 55
No. 1680	Dull brass, with screws	1 20	11 55
No. 1690	Dull brass shaded sanded	1 35	13 95

Three doz in cardboard box; wt per doz 1⅞ lbs.

Wrought Steel.

	Per Doz
No. 1257J-1—Japanned; length over all 5½ ins; wt per doz 1 lb	$1 95
No. 1257J-2—Japanned; length over all 6¾ ins; with screws; wt per doz 1½ lbs	2 70
No. 1257J-4—Japanned; length over all 8⅞ ins; with screws; wt per doz 2¾ lbs	9 00
No. 1257D2-1—Antique copper; length over all 5½ ins; with screws; wt per doz 1 lb	3 60

One doz in cardboard box; wt per doz 1½ lbs.

✚F. O. B. Connecticut Factory Only.

DOOR PULLS

Cast iron, extra heavy; length over all 6 inches.

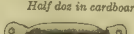
		Per Doz
No. 1104	Japanned	$4 05

One doz in cardboard box; wt per doz 5¼ lbs.

Japanned, wrought steel.

		Per Doz
No. 1265J	Length 10½ ins	$12 75

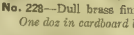
Half doz in cardboard box, with screws; wt per 10½ lbs.



Cast bronze, polished; length 4¼ ins.

		Per Doz
No. 228	Dull brass finish	$10 50

One doz in cardboard box with screws; wt per doz 2¾ lbs.



Cast bronze, polished; length 7½ ins.

		Per Doz
No. 448	Dull brass finish	$37 80

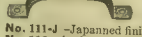
One-third doz in cardboard box with screws; wt per doz 6½ lbs.

SCREEN DOOR PULLS AND WINDOW LIFTS

Wrought steel; 3½x3⅝ inches.

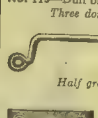
		Per Gro
No. 111-J	Japanned finish	$6 75
No. 116	Antique copper finish, with screws	7 95
No. 118	Dull brass finish, with screws	7 95
No. 119	Dull brass shaded sanded	9 00

Three doz in cardboard box; wt per doz 3 lbs.



		Per Gro
No. 500	Steel wire, brass plated; length over all 4⅝ ins	$4 80

Half gro in cardboard box; wt per box 3 lbs.



BARN DOOR PULLS

Flush

Japanned cast iron; size 3¾x2½ ins.

		Per Doz
No. F50		$3 75

One doz in cardboard box without screws; wt per doz 4 lbs.

GLASS PUSH PLATES

Commercial quality plate glass, beveled edge. Complete with holes drilled; nickel plated screws and rubber washers for attaching.

Nos.	G312	G416
Size, ins	3x12	4x16
Wt per doz, lbs	18	24
Per Doz	$9 00	22 50

One-sixth doz in cardboard box.

SAD IRONS

NO. 50 POTTS' PATTERN SAD IRONS

Full Nickel Plated

STAR VALUE

1H3746—3 irons, 3¾ lb. polishing iron 4½ lb. general use iron 5 lb. heavy work iron heavily nickel plated, full polished and perfectly smooth ground bottoms Japanned top plate hardwood handle Japanned steel stand. 6 sets in wood case about 93 lbs.
SET (6 pcs) **$1.20**

DOVER 5-PIECE SAD IRON SETS

1H66—"Vulcan," three 5½ lb. irons polished faces and edges, a turned finish tops, nickeled steel bodies, wiping cloth, cutter handle steel bound asbestos stand. 1 set in carton.
SET (5 pcs) **$1.38**

1H70—"Asbestos," three 6½ lb. irons, polished faces and sides, nickeled tops, asbestos lined wiping cloth, black enameled handles, nickeled steel bound asbestos stand, 1 set in carton. SET 5 pcs **$1.95**

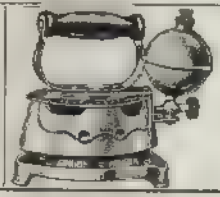
POTTS' SAD IRON HANDLES

1H3314—Smooth walnut, varnished, cast iron stretcher, strong steel spring, ½ doz. in pkg.
Doz **96c**

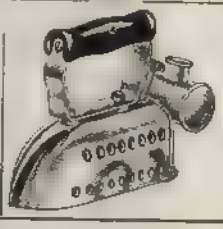
Polished Walnut—Cast iron stretcher, steel spring, ½ doz. in pkg.
1H3312—Japanned stretcher Doz **$1.38**
1H3313—Nickeled stretcher Doz **$1.80**

GASOLINE IRONS

"The iron with the cool blue handle."
1H6199—"Coleman," 6 lbs., full nickel plated, holds ½ pt. gasoline, enough for average ironing, burns on tank full length of hot one regulated by detachable key, blue enameled handle. Each in carton with funnel wrench and instructions.
Each **$3.65**
Doz **$42.00**



1H6639—"Comfort," 6½ lbs., 2 point, full nickel plated removable self-cleaning generator, holds ¾ pt. gasoline, operates 5 hours with one filling, black enameled handle. Each in carton with pump and stand, 7½ lbs.
Each **$3.80**
3 or more, Each **3.70**



ALCOHOL LAUNDRY IRONS

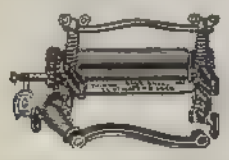
1H10660—Imported, 6 lbs., full nickel plated, black japanned wood handle, fool proof regulator, in box.
Each **$2.40**

WRINGERS—CLOTHES LINES

"HORSE SHOE" WRINGERS

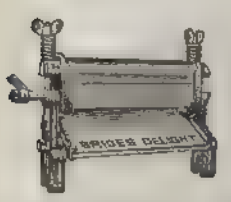
Made by the American Wringer Co. All rolls are 1¾ in. diam.

Guaranteed pure rubber rollers, adjustable thumbscrews and combination clamps. We advise ordering a case of 3 so that the goods will reach you in best possible condition.



1H330—"Relief," 10 in. rolls, warranted 3 years, galvanized iron frame, spiral pressure springs, 1 in pkg.
Each **$3.37**
3 or more, Each **3.85**

1H341—"Universal," 11 in. rolls, warranted 3 years, wood frame, reversible water board, combination clamps, fit round or square tubs not over 2 in. thick. 1 in pkg.
Each **$5.35**
3 or more, Each **5.10**



"Brides' Delight"—Rolls warranted 3 years, light wt. nut lock reversible iron frame, heat treated spring thick hot galvanized finish, rustproof, cedar varnished hard maple drainboard, in pkg.

1H300—10 in. rolls, Each **$4.15**
3 or more, Each **4.00**
1H301—11 in. rolls, Each **$4.40**
3 or more, Each **4.25**
1H302—12 in. rolls, Each **$4.65**
3 or more, Each **4.50**

1H340E—"Universal" 10 in. rolls, warranted 3 years, wood frame, steel pressure springs enclosed gears, reversible water board, combination clamps fit round or square tubs not over 2 in. thick. 1 in pkg.
Each **$5.37**
3 or more, Each **5.10**

"Universal"—Rolls warranted 3 years, wood frame, steel pressure springs. 1 in pkg.

1H350—10 in. rolls, Each **$4.30**
3 or more, Each **4.10**
1H351—11 in. rolls, Each **4.55**
3 or more, Each **4.35**
1H352—12 in. rolls, Each **4.81**
3 or more, Each **4.60**

"HORSE SHOE" BALL-BEARING WRINGERS

Made by the American Wringer Co. All rolls are 1¾ in. diam.

Guaranteed pure rubber rollers, heavy wood frame steel pressure springs, adjustable thumb screws.

"Universal"—Rolls warranted 3 years, ball-bearing, enclosed gears, 1 in pkg.
Each
1H390E—10 in. rolls, **$4.89**
3 or more, Each **4.70**
1H395—"Mrs. SSIE" 11 in. rolls, Each **$5.15**
3 or more, Each **4.95**

1H341E—"Universal," 11 in. rolls, warranted 3 years steel pressure springs, ball-bearing enclosed gears, reversible water board combination clamps, fit round or square tubs not over 2 in. thick. 1 in pkg.
Each **$5.98**
3 or more, Each **5.70**

FOLDING BENCH WRINGERS

"Horse Shoe" Brand

Hold 2 Full Size Tubs

If you will display this item and explain its advantages to housewives you will increase your sales.

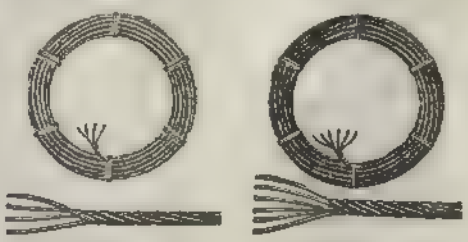
"Universal," length extended 40 in., 11x14 in. rolls, full ball-bearing, pressed steel springs, encased gears, reversible water board adjustable wood screws, collapsible patent braces, hold 2 full size tubs. Each in wood crate, 44 lbs.

1H381E—Guaranteed 3 years.
Each **$7.95**
1H385E—Guaranteed 5 years.
Each **$8.40**

WIRE CLOTHES LINES

If you will compare prices we know you'll write your order here.

Twisted galvanized wire, guaranteed full length and number of strands.



4-STRANDS 20 gauge.

Length Pkg ft	doz.	Doz
1H5711 — 35	1..	$0.84
1H7265 — 40	½ .	.98
1H5710 — 50	½ .	1.44
1H10615—100	½..	2.25

8 STRANDS 20 gauge.

Length Pkg ft	doz.	Doz
1H5704— 50	½ ..	$2.95
1H5705— 60	½...	3.45
1H5707—100	½...	4.25

REEL CLOTHES LINES

1H5714 "Improved Colonial," 24 ft. cotton cord, cream enameled heavy tin case, nickel plated lever lock pig device, 1 doz. in box.
Doz **$2.10**

1H5712—"Ever Ready" 50 ft. white braided cotton line green enameled case, ratchet adjustment with screws, each in box, ½ doz. in carton.
Doz **$3.85**

CLOTHES LINE OR HAMMOCK HOOK

1H3501—8½ in. screw, 3⅜ in. hook, retinned malleable iron, 1 doz. in box.
Doz **96c**

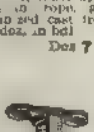
CLOTHES LINES

NOTE: For clothes lines in hanks, see Woodenware Dept.

Jute—⅛ in. long fiber, about 80 ft. to lb.
1H5043 40 to 50 lbs. on reel
Lb **26c**
White Cotton—⅛ in., braided about 75 ft. to lb.
1H5050—37 lbs. on reel,
Lb **38c**

CLOTHES LINE PULLEYS

1H3476 — 1¼ in. wheel, takes up to ⅜ in. rope, galvanized cast iron
1 doz. in bdl
Doz **72c**



1H3503 — 2 in. wheel, takes up to ½ in. rope, galvanized cast iron, brass axle, 1 doz. in bdl
Doz **87c**

1H3485—"Ideal," 4 in. wheel, takes up to ⅜ in. rope, malleable cast iron, heavy wire guide, 1 dz. in bdl
Dz **$1.25**

STAR VALUE

1H3491 "Economy," 5 in. wheel takes up to ⅜ in. rope, galvanized wheel and frame, aluminum painted, heavy steel guide, 1 doz. in pkg.
Doz **$2.10**

BOTTLE CAPS and CAPPERS

BOTTLE CAPS IN SANITARY PACKAGES
FIRST QUALITY. None better made.

Cross-section showing thickness of tins

Syndicate stores count these out by hand over the counter. You can sell this SANITARY PACKAGE 48 for 35c.

1H2789—107 lb. tin, lacquered inside and out, cannot rust, composition cork lined. No hands touch these caps from the sheet of tin plate to the consumer. 48 in sanitary box. 8 doz. boxes in shipping carton. Doz **87c**

107 lb. tin, composition cork lined, insures airtight sealed bottles

Single Lacquered—	In carton	Gro
1H3395— 10 gross		16
1H3396— 50 "	★15½	
1H3397—100 "	★15	

Double Lacquered	In carton	
1H2794		18c
1H3787		17 c
1H3384	50	17 c
1H [illegible]		16 c
1H [illegible]		16 c

CORKS of ALL SIZES

Assortment

Good quality fresh live corks—open stock sizes are packed in sealed boxes, insuring freshness.

Open Stock

Diameters given below are large end of cork. Packed in gray sealed boxes, insuring fresh cut stock

Size	Diam. Lge. End	Diam. Sml. End	Length	Doz. Price
1H3110— 1	½	⅜	1	$0.32
1H3111 " 2	⅝	½	1	.35
1H3112 " 3	¾	⅝	1½	.43
1H3113 " 4	⅞	¾	1½	.52
1H3 " 5	[illegible]	[illegible]	[illegible]	.95
1H3114 " 6	1	⅞	1½	1.00
1H3 " 7	1⅛	1	1½	.58
1H3 " 8	1¼	1	1½	.65
1H [illegible] " 9	1⅜	1	1½	.84
1H3 " 10	1½	1	1½	1.15
1H3118 " 14	1¾	1	1½	3.40
1H3119— 16	2	1	1½	5.76

1H3122—12 sizes and styles, standard grade. Retail prices printed on the lid of box.

90 Size 6	60 Size 8	36 Size 10	24 Size 14	18 Size 14	36 Size 8
72 " 7	48 " 9	24 " 12	24 " 16	36 " 16	36 " 9

520 corks in 12 compartment heavy display box with hinged cover. ASST. 510 corks) **$3.85**

HYDROMETER AND JAR SET

1H3391 1H3393 1H3392 1H3390

Hydrometer 10" long, wood and paper case, each in box

1H4381 doz. lb. carton. Doz **$1.85**

Foster—7½ in., full scale and directions, bathing point indicated by red line on scale. Each in box.

1H4491 " " in box. Doz **$1.85**

Hydrometer Jar—12x1½, lipped, molded for each in carton.

1H4392—½ doz. in box. Doz **$3.50**

Pocket Set of 3 hydrometer, full proof and percentage scale, glass jar

1H3430—½ doz. in box. Doz **$2.25**

SANITARY FERMENTERS

Prevents odors, keeps fruit juices from souring, prevents evaporation

Large 2 Ball Glass Tube

1H3478 9 in. high, [illegible] in center to fit tube, sufficient for 60 days when filled, guaranteed not to siphon back, each in box ½ doz in carton. Doz **$2.95**

Combination Glass Tube and Cylinder

Each with bung-hole cork and top cork, [illegible] in box.

1H4161 For 1 to 5 gal. jars

Doz **$4.25**

1H3362 For kegs up to 20 gal

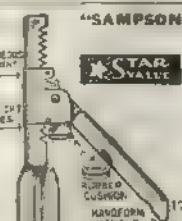
Doz **$4.35**

BOTTLE STOPPER

1H3371—Gal. [illegible] wire, white porcelain cap, rubber [illegible] with wire clamp. 1 gro. in box.

Gro **$2.05**

"SAMPSON" BOTTLE CAPPERS



All Steel

17½ in., all steel, nickeled finish, adjustable to any height, [illegible] to fit any opening, legs [illegible] opener in handle

1H5014½—Without spring release.

1 doz. in carton Doz **$10.20**

10 doz. or more Doz **$8.55**

1H3349 With spring release, ½ doz. in carton. Doz **$12.00**

1 doz. or more, Doz **$11.40**

Hand Bottle Capper

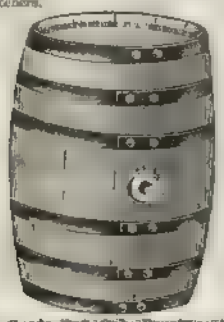
1H3385 Steel [illegible] die, rubber cushion, hardwood handle, impossible to break bottles. 2 doz. in carton

Doz **87c**

"PIONEER" OAK KEGS

America's leading line of wood kegs

Selected mountain grown timber, all varnished except 50 gal. size, heavy iron hoops secured by fasteners.



Older Grade Red Oak—Paraffine lined.

6 hoops—	Gal		Singly Each	25 or more, Each
1H3827	1	4 lbs	$0.95	$0.90
1H3828	3	6½ "	1.25	1.15
1H3829	3	8½ "	1.30	1.20
1H3831	5	10 "	1.35	1.25
1H3834	10	18 "	1.95	1.65
1H3835	15	24 "	2.25	2.15
1H3836	20	30 "	2.50	2.40
1H3838	25	36 "	2.85	2.75
1H3839	30	45 "	3.15	3.05
1H3841	50	65 "	4.15	4.05

XXX Wine Grade White Oak—Charred interior, all have 6 hoops except 50 gal. size, which has 8 hoops.

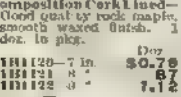
Gal		Singly Each	25 or more, Each
1H3800— 1	4 lbs	$1.45	$1.35
1H3807 2	6½ "	1.85	1.75
1H3808 3	8½ "	1.85	1.86
1H3812 5	10 "	2.75	2.65
1H3817 10	18 "	3.50	3.40
1H3818 15	24 "	3.86	3.75
1H3819—20	30 "	4.10	3.95
1H [illegible] 25	36 "	4.75	4.65
1H3824—30	45 "	5.00	4.75
1H3826—50	65 "	7.50	7.25

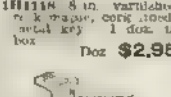
XXXXX Spirit Grade White Oak—Charred Interior,

6 HOOPS— Gal		Singly Each	25 or more, Each
1H3819 1	4 lbs	$1.65	$1.55
1H3842— 2	6½ "	1.95	1.86
1H3844 3	8½ "	2.05	1.95
1H3847 5	10 "	3.10	2.95
1H3851 10	18 "	3.75	3.60
1H3853 15	24 "	4.10	3.95
1H3857 20	30 "	4.85	4.50
1H3807 25	36 "	5.00	4.85
1H3863—30	45 "	5.40	5.25

8 Hoops— Gal		Singly Each	25 or more, Each
1H3878 50	65 lbs	$8.25	$8.00

WOOD FAUCETS





Composition Cork Lined— Cord gear, rock maple, smooth waxed finish. 1 doz. to pkg.

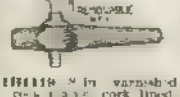
	Doz
1H1120—7 in.	$0.78
1H1121 8 "	.87
1H1122 9 "	1.12

"Redlich" [illegible] maple, cork lined saturated with linseed oil. 1 doz. in box.

	Doz
1H1124 4 in	$1.92
1H1125 5 "	2.50

1H1118 8 in. varnished rock maple, cork lined metal key. 1 doz. in box

Doz **$2.95**



1H1118 8 in. varnished rock maple, cork lined metal key, [illegible] worked and key removed). 1 doz. in box

Doz **$2.95**

SAFETY BUNGS

Compressed cork, all treated will not soak up liquid, porcelain stopper, rubber [illegible] 1 doz. in box.

1H3342 Mfrs 3) Fits from 1 gal. to [illegible] gal.

Doz **$2.15**

1H3343 Mfrs 5) Fits from 5 to 10 gal. jugs or casks.

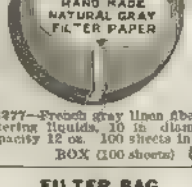
Doz **$3.00**

1H3334 Mfrs 6) Fits from 20 to 50 gal. casks

Doz **$3.40**

FILTER PAPER

Hand Made



1H3277—French gray linen fiber for filtering liquids, 10 in. diameter, capacity 12 oz., 100 sheets in box

BOX (100 sheets) **57c**

FILTER BAG

1H3278—Size 4, 1 gal. [illegible] 1 in. heavy white [illegible] with two ¾ in. metal [illegible] for [illegible] box [illegible] for [illegible] all [illegible] Fits [illegible]

Each in sealed sanitary white paper bag.

Each **$2.15**

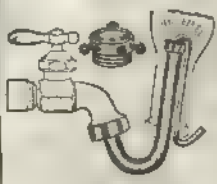
SYPHON SET

1H3401—5 ft. long [illegible] in corrugated [illegible] rubber [illegible] for [illegible] [illegible] and [illegible] [illegible] and [illegible] [illegible] bag

Each **$0.45**

Doz **4.85**

BOTTLE WASHER



For Milk or Beverage Bottles

1H3402—5 in. [illegible] nickeled brass [illegible] on [illegible] for [illegible] faucet, spray [illegible] in tip, fits [illegible] bottle by [illegible] hose [illegible] 6 in. [illegible]

Each **42c**

Faucet Adapter

1H3493 Solid brass collar with 3 set screws, threaded to fit 1H3402, for any smooth tip faucet, 9 in box [illegible] Each **15c**

RUBBER TUBING

⅝ in. diam., corrugated seamless rubber. 1 doz. in box.

RED—

1H3336—4 ft.

Doz **$0.89**

1H3340 [illegible] ft.

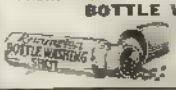
Doz **$1.20**

WHITE—

1H3341—5 ft.

Doz **$1.33**

"REMINGTON" BOTTLE WASHING SHOT



1H3490 4 oz. waterproof tube. 2 doz. tubes (30 lbs.) in box.

Doz **82c**

FRUIT PRESSES and CRUSHERS

FRUIT AND VEGETABLE PRESS

1H11 [illegible] Universal, [illegible] back [illegible] wrought steel frame [illegible] steel [illegible] and cup. 1 doz. in pkg.

Doz **$4.50**

"ENTERPRISE" PRESSES

23 gauge high grade tin plate cylinders, all parts coming in contact with fruit, acids covered with pure block tin, swing top, strainer plate in bottom.

1H3081—(Mfrs 6) 8 qt. 8x7 inside cylinder, 1 in crate, 51 lbs. Each **$5.15**

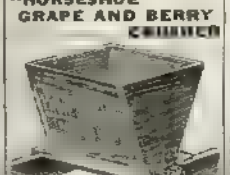
1H3082—(Mfrs 12) 12 qts., 10x9 inside cylinder, 3 legs and 1 center stand for floor use, can be removed for table use, 12½ in. from floor to spout, 1 in crate, 91 lbs. Each **$7.50**

"REX" PRESSES

[illegible] are guaranteed [illegible] perfect in [illegible] Made of best stock throughout, [illegible] construction, extra heavy [illegible] bands.

	Mfrs	Qts.	Lbs.	Each
1H4305	1	8	60	$6.00
1H4306	2	14	70	7.50
1H4307	3	20	100	9.00
1H4308	4	30	120	13.50
1H4309	5	50	180	18.00

"HORSESHOE" GRAPE AND BERRY CRUSHER



1H3085—12¾ in. long, 9 in. wide, 7 in. high, hopper 7¾x5½ in. top, 7¾x5¼ in. at bottom, selected maple [illegible] [illegible] [illegible] [illegible] 1 in carton

Each **$2.50**

"REX" FRUIT CRUSHER

1H4310 (Mfrs) Hopper [illegible] [illegible] with strong iron teeth, will not clog, mounted on strong hardwood legs, heavily bolted throughout. 1 crate 25 lbs

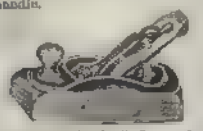
Each **$5.95**

"SARGENT" ADJUSTABLE PLANES

For [illegible] we are [illegible] We will not accept [illegible] by any iron, since [illegible] steel, cast [illegible] and oil tempered. Guaranteed against defects of material and workmanship.

Wood Bottom Planes

Natural finish knob and handle.



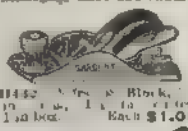
2H1428—(Miss 408) Smooth, 8 in. long, 1¾ in. cutter. 1 in box. . . . Each **$2.18**

2H1429—Jack. [illegible] cutter. 1 in box. Each **$2.48**

2H1431—(Miss 410) Jack, 14 in. [illegible] cutter. 1 in box. Each **$3.30**

Iron Planes

Mahogany knob and handle.



2H1432—(Miss 408) Block, [illegible] cutter. 1 in box. Each **$1.05**

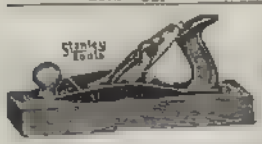
2H1430—(Miss 406) Smooth, 8 in. long, 1¾ in. cutter. 1 in box. Each **$2.65**

"PAR-PLUS" PLANES

High grade gray iron frame, crucible steel cutter, hardened and oil tempered hardwood knob and grip. We will replace any defective "Par-Plus" plane.

2H1425—Smooth, 9 in. long, 3 in. cutter, positive lock and lateral adjustment. 1 in box. Each **$3.25**

2H1426—Jack, 14 in. long, [illegible] cutter, positive lock and lateral adjustment. 1 in box. Each **$3.25**



"STANLEY" JACK PLANE Bailey Style

2H1435—Rosewood knob and handle, [illegible] cutter for [illegible] and honed. 1 in box. Each **$2.50**

SHARPENING STONES

2H1434B—[illegible] Each **42c**

2H1436—[illegible] Assorted [illegible] each in carton. 1 doz. in box. Doz sets **$1.40**

TOOL GRINDERS

★ Star Value

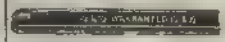
"Belmont" All bearings of [illegible] cast iron [illegible] with [illegible] Dark Lap [illegible] cutter [illegible] Each

	Diam.	Speed	Each
2H1474	4	11 to 1	**$1.25**
2H1475—6	31	1	**2.10**
2H1476	5	15	**2.50**

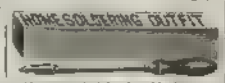
Leather [illegible] wheel [illegible] heavy stamped steel case, 2 coats of blue finish, heavy cut gears, heavy frame and clamp.

2H4181—1 in box. Each **$1.35**

SOLDERING GOODS



Bar Solder [illegible] lb. good flow [illegible] grade. 2H1239—4 pcs. in stock. Lb **64c**



"Home Soldering" Set [illegible] regular size 1 iron 1 [illegible] 1 box paste 1 box [illegible] 2H1824—4 [illegible] sets in pkg. Doz sets **$1.44**

Solder Wire—Half and half, 14 gauge. 2H1236—1 lb. (about 70 ft.) in box. Lb **88c**

BLOW TORCH

2H1801—[illegible] 1 qt. [illegible] burner [illegible] Each **$3.95**

"GOTTSCHALK'S" METAL SPONGES

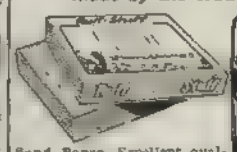
For rubbing down surfaces, to [illegible] paint off glass, steel [illegible] any kind of soap or scouring powders.

Composition of copper, tin and nickel, will not rust. 2H1126—Small size, 2 doz. in counter display box. Doz **$4c**

2H1128—Large size 1 doz. in counter display box. Doz **$2.10**

SAND PAPER— EMERY CLOTH

FAMOUS "RUFF-STUFF" PRODUCTS Made by the Wausau Abrasives Co.



Sand Paper—Excellent quality rope back paper. Each size in uniform box.

	Sheets in Box	Grit	Box
2H1168	50	1/0	**$0.87**
2H1169	0	100	**.87**
2H1170	½	100	**.92**
2H1171	1	75	**.75**
2H1172	1½	50	**.60**
2H1173	2	50	**.68**
2H1174	3	50	**.76**
2H1177	4	50	**.45**

Sand Paper Asst—8 grades, 4 quires each of 00, 1 ½ and 1 2 quires of ½, 1 quire of [illegible] 1 quire of [illegible] and 8 [illegible] medium weight quality rope back paper selected grade B nd. 2H1180—Asstd 1 re 480 sheets in [illegible] 4 lbs. ASST (480 sheets **$7.25**

Free 15½x21¾ dark green enameled metal display case.

Sand Paper—4 9x5½, asstd 4 each of 5 grits, 20 sheets in pkg. 2H1142—Asstd. 5 doz pkgs. in display carton. Doz pkgs **78c**

Emery Cloth—4½x5½ 6 sheets asstd grits in pkg. 2H1160—1 doz pkgs. in box. Doz pkgs **84c**

Price tickets sell goods.

"WETORDRY" SAND PAPER

The latest invention in sand paper. For cleaning all kinds of surfaces where water is necessary, making utensils, etc. Can be dried and used repeatedly.

2H7387—6½x11¼ 4 sheets each 8 grits. 1 doz. pkgs. in carton. . . Doz pkgs **$1.20**

WIRE FENCING

"WESTERN" POULTRY NETTING

MADE BY WICKWIRE SPENCER CORPORATION

Highest grade, full length, correct weight and gauge given. Galvanized before weaving.

50-10 & 10% OFF LIST

These prices are equal to 50-10 and 10% off the standard list. Do not confuse these highest grade heavy gauge goods with the light weight kind.

2 IN. MESH 19 GAUGE—strictly standard grade goods.

	Width in Inches	Length in Feet	Sq. Ft.	Wt. in Lbs.	Roll
2H8682	24	150	300	20	**$1.85**
2H8683	30	150	375	23½	**2.20**
2H8684	36	150	450	28	**2.51**
2H8685	48	150	600	36	**3.34**
2H8686	48	150	600	47	**4.13**
2H8687	72	150	900	56	**5.08**

1 IN. MESH 20 GAUGE—Strictly standard grade goods.

	Width in Inches	Length in Feet	Sq. Ft.	Wt. in Lbs.	Roll
2H8682	12	150	150	11	**$2.01**
2H8683	18	150	225	17	**2.89**
2H8684	24	150	300	28	**3.69**
2H8685—30		150	375	35	**4.40**
2H8686—36		150	450	37	**5.08**
2H8687	48	150	600	51	**6.69**
2H8688	60	150	750	65	**8.37**
2H8689—72		150	900	72	**10.03**

"EXCELSIOR" POULTRY NETTING

MADE BY WICKWIRE SPENCER CORPORATION

Highest grade, full length, correct weight and gauge given. GALVANIZED AFTER WEAVING.

50 & 10% OFF LIST These prices are equal to 50 & 10% off standard list.

2 IN. MESH 19 GAUGE—Each roll guaranteed full 150 ft. long for poultry yards, etc.

	Width	Length	Sq. Ft.	Wt.	Roll
2H8706	12 in.	150 ft.	150	12 lbs.	**$1.12**
2H8707	18 "	150 "	225	18 "	**1.60**
2H8708	24 "	150 "	300	24 "	**2.05**
2H8709	30 "	150 "	375	25 "	**2.44**
2H8710	36 "	150 "	450	30 "	**2.79**
2H8711	48 "	150 "	600	50 "	**3.71**
2H8712	60 "	150 "	750	60 "	**4.65**
2H8713	72 "	150 "	900	60 "	**5.58**

2 IN. MESH 20 GAUGE—Each roll guaranteed full 150 ft. long.

	Width	Length	Sq. Ft.	Wt.	Roll
2H7625	12 in.	150 ft.	150	15 lbs.	**$0.97**
2H7626	18 "	150 "	225	18 "	**1.39**
2H7627	24 "	150 "	300	24 "	**1.77**
2H7628	30 "	150 "	375	30 "	**2.42**
2H7629	36 "	150 "	450	40 "	**3.22**
2H7630	48 "	150 "	600	60 "	**4.01**
2H7631	72 "	150 "	900	60 "	**4.81**

1 IN. MESH 20 GAUGE Each roll guaranteed full 150 ft., for long trellises, etc.

	Width	Length	Sq. Ft.	Wt.	Roll
2H8700	12 in.	150 ft.	150	14 lbs.	Out
2H8701	18 "	150 "	225	18 "	**3.31**
2H8702	24 "	150 "	300	23 "	**4.09**
2H8703	30 "	150 "	375	25 "	**4.88**
2H8704	36 "	150 "	450	28 "	**5.58**
2H8705	48 "	150 "	600	35 "	**7.43**
2H8706	60 "	150 "	750	60 "	**9.28**
2H8699	72 "	150 "	900	72 "	**11.14**

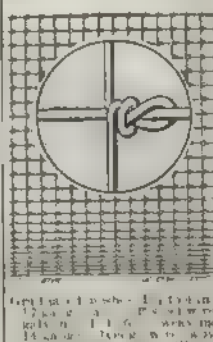
BARBED WIRE

14 gauge galvanized wire, barbed. 2H8758—50 ft. coils. Roll **$0.48**

2H8754—100 ft. coils. Roll **$1.05**

WRIGHT "EXCELSIOR" POULTRY FENCING

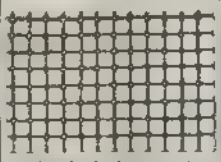
These prices are equal to 50 and 10% off standard list.



[illegible] 17 gauge [illegible] 14 gauge [illegible] galvanized after weaving. No 6 [illegible] chance for mating. 10 rods (165 ft.) to roll.

	Mesh	Wire Gauge	Width of Roll	Wt. per Roll	
				6 wires	8 wires
2H2784	2"	16	42	**$8.38**	
2H2785	48	15	40	**4.03**	
2H2786	60	"	56	**4.05**	
2H2787	72	15	67	Out	

GALVANIZED WIRE CLOTH



Galvanized after weaving. For window tree guards, etc.

2 MESH TO INCH—19 gauge, 1 in square mesh. 25 FT. ROLLS—

Width	Sq. Ft.	Lbs.	Roll
2H8682—24 in.	50	15	**$1.85**
2H8703—36 in.	75	22	**2.75**

100 FT. ROLLS—

Width	Sq. Ft.	Lbs.	Roll
2H8692—24 in.	300	60	**$8.00**
2H8693—30 in.	375	75	**9.25**
2H8694—36 in.	500	84	**11.25**

2½ MESH TO INCH—20 gauge ½ in. square mesh. 25 FT. ROLLS—

Width	Sq. Ft.	Lbs.	Roll
2H8780—24 in.	50	14	**$1.90**
2H8781—36 in.	75	22	**2.85**

3 MESH TO INCH—21 gauge, ⅓ in square mesh. 25 FT. ROLLS—

Width	Sq. Ft.	Lbs.	Roll
2H8758—24 in.	50	14	**$1.85**
2H8759—36 in.	75	21	**2.80**

100 FT. ROLLS—

Width	Sq. Ft.	Lbs.	Roll
2H8865—24 in.	200	56	**$8.40**
2H8866—30 in.	250	82½	**10.50**
2H8867—36 in.	300	80	**12.80**

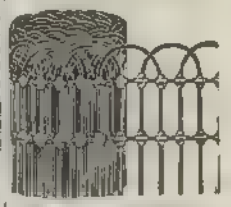
WIRE FENCE STAPLES

First quality, 9 gauge bright wire.

25 LBS IN CARTON—
2H1465—1¾ in. . . . } Lb **7c**

5 LBS IN CARTON—
2H1520—1½ in. . . . } Lb **7½c**
2H1521—1¾ " . . . }

FLOWER BED GUARDS



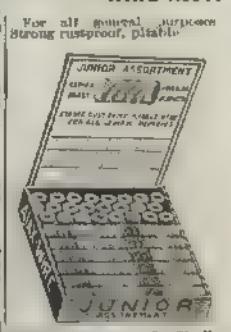
8 gauge galvanized wire, patent lock joints, 7 ft. in length.

2H5781—16 in. high. Roll **$6.25**

2H5874—22 in. high. Roll **$8.00**

"AJAX" JUNIOR WIRE ASST.

For all general purposes. Strong rustproof, pliable.



2H3823—2 oz. and ¼ lb. spools, 16, 18, 20 and 23 gauge, eight 5 ft. lengths, all [illegible] and [illegible] packed [illegible] spools in box. 10½ lbs. ASST (48 spools) **$3.85**

See nearby page for screen cloth.

FARM and GARDEN TOOLS

Tools that **"stand the gaff."** Big savings in prices

GARDEN AND FIELD HOES ONION OR WEEDING HOES

2H1802—"Belmont," 7" in. stamped steel blade, steel shank and ferrule, 4½ ft. ash handle. 1 doz. in bdl
Doz **$3.05**

2H6449—"Belmont," 7" in. stamped crucible steel blade, improved new shank and ferrule, 4½ ft. ash handle. 1 doz. in bdl
Doz Out

2H1803—"Belmont," assrtd. 6½ to 7½ in. forged crucible steel blades, solid steel shank, and heavy socket, 4½ ft. ash handle. Assrtd. 1 doz. in bdl
Doz **$7.50**

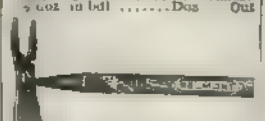
2H1804—"Belmont," assrtd. 6 to 7½ in. forged steel blades, polished, heavy steel shank and socket, 4 ft. ash handle. Assrtd. ½ doz. in bdl
Doz **$7.95**

2H3846—"Imperial," assrtd. 6½ to 7½ in. forged crucible steel blades, polished copper bronze finish shank and socket, 4½ ft. X-ash handle. Assrtd. ½ doz. in bdl.
Doz Out

2H6446—"Gold Medal," assrtd. 6½ to 7½ in. heavy forged crucible steel blades, polished, solid shank with ferrule, copper bronze finish ferrule, tempered hard, selected ash handle. Assrtd. ½ doz. in bdl
Doz **$9.25**

2H1777—9x1½ polished steel blade, tempered crimp edge bead to shank, 4½ ft. ash handle. 1 doz. in bdl
Doz **$4.15**

2H1778—9½x2 polished tempered steel blade, serrated face, copper bronze finish steel ferrule, 4½ ft. waxed ash handle. ½ doz. in bdl .....Doz Out



2H1409—"Belmont," 9x3¼ blade, polished crucible steel proper improved shank, black lacquered shank and socket, 4½ ft. ash handle. 1 doz. in bdl
Doz **$6.50**

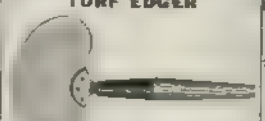
WEEDING HOE

2H3041—"Belmont," 3¼ in. triangular crucible steel blade, tempered and polished black to steel socket, 22 in. ash handle. ½ doz. in bdl
Doz **$1.50**

CULTIVATOR HOE

2H1779—Crucible steel 7 tines inserted in long steel ferrule, pinned to handle, black lacquered finish, 4½ ft. waxed ash handle. ½ doz. in bdl.
Doz Out

TURF EDGER



2H1708—6x5 crucible steel blade riveted to heavy steel support, solid bronze finish steel ferrule, 5 ft. waxed ash handle. ½ doz. in bdl.
Doz Out

GARDEN RAKES

"Belmont"—Straight teeth, crucible steel, single shank, black painted head and ferrule, 5 ft. ash handle. ½ doz. in bdl

2H7624—12 teeth.....Doz **$4.35**
2H7625—14 " ..... " **4.75**
2H1834—16 " ..... " **5.75**

"Crank Special"—Curved teeth, wrought steel, heavy malleable sockets, forked shank, 5½ ft. ash handle. ½ doz. in bdl

2H7389—14 teeth... Doz **$6.50**

"Imperial"—Straight teeth, tempered crucible steel, painted gray flat bow shanks stamped out of one piece, copper bronze finish ferrule, 5½ ft. X-ash handle. ½ doz. in bdl

2H7628—12 teeth.....Doz **$7.75**
2H7629—14 " ..... " **7.95**
2H7630—16 " ..... " **8.95**

"Gold Medal" — Curved teeth, highly tempered crucible steel, gray lacquered heavy hand forged bow braced shanks, gold bronze finish head braces and ferrule, 5½ ft. selected ash handle. ½ doz. in bdl

2H9874—14 teeth . Doz **$11.25**

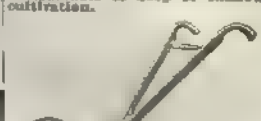
LAWN RAKES

2H1832—"Belmont," 24 tempered wire teeth, oval reinforced rim, tool retaining shank and socket, 5½ ft. ash handle. ½ doz. in bdl.
Doz **$5.25**

2H1825—"Gold Medal," 26 teeth, [illegible] selected hardwood head and [illegible] handle, 5½ ft. ash handle. 1 doz. in bdl
Doz **$6.50**

COMBINATION GARDEN TOOLS

Adjustable to deep or shallow cultivation.



STAR VALUE

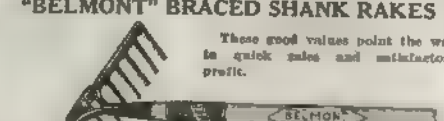
2H2045—18 in. steel wheel, green enameled steel frame, varnished hickory handles, with plow, reversible bell tongue, sweep, rake and wrench. 1 in case, 50 lbs.
Each Out

2H1785 "Sterling," 24 in. steel wheel, braced steel frame, wheel and frame painted green, striped varnished hardwood handles with plow, 4-1 tooth sweep, rake and wrench. 1 in case. [illegible] lbs.
Each Out

2H2043—3 steel wheels, 18 and 14 in. [illegible] frame, [illegible] with plow, [illegible] sweep, rake, [illegible] wrench. [illegible] lbs.
Each Out

"BELMONT" BRACED SHANK RAKES

These good values point the way to quick sales and satisfactory profit.



Straight teeth, heavy steel braced shank, hardwood head, ash handle, steel ferrule, 5 ft. ash handle. ½ doz. in bdl.

2H1821—12 teeth Doz **$4.75**
2H1822—14 " " **5.40**
2H1823—16 " " **6.25**

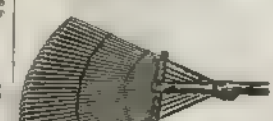
"MITCHELL" WOOD LAWN RAKE

Will not clog when raking leaves. Will not warp, crack or soak up water.

2H1714—30 teeth, specially shaped selected hickory treated with linseed oil to [illegible] braced ash handle. ½ doz. in bdl.
Doz **$7.50**

BAMBOO LAWN RAKE

Imported from Japan

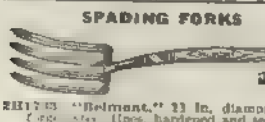


2H1824—33 bent teeth, Japanese split bamboo, 5½ in. bamboo handle, strong and durable. 1 in pkg.
Each Out

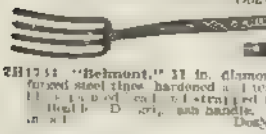
FODDER OR BUNDLE FORK

2H1079—"Belmont," two 11 in. tempered crucible steel tines and [illegible] and ferrule, [illegible] 1 doz. in bdl
Doz **$1.85**

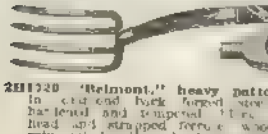
SPADING FORKS



2H1733—"Belmont," 11 in. diamond back [illegible] tines, hardened and tempered, [illegible] ferrule and cap, [illegible] D grip, ash handle. ½ doz. in bdl.
Doz **$7.95**

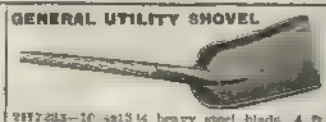


2H1731—"Belmont," 11 in. diamond back forged steel tines, hardened and tempered, [illegible] ferrule, [illegible] D grip, ash handle. ½ doz. in bdl
Doz **$8.75**



2H1720—"Belmont," heavy pattern, 11 in. cast and bolt forged steel tines, hardened and tempered, [illegible] head and [illegible] ferrule, wood D grip, ash handle. ½ doz. in bdl
Doz Out

GENERAL UTILITY SHOVEL



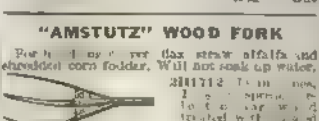
2H7283—10 x13½ heavy steel blade, 4 ft. wood handle. ½ doz. in bdl
Doz **$4.80**

SPADE

2H1886—"Stevens Webb," No. [illegible] square point, 7x12 scraped and lacquered blade, plain back, 27 in. sanded wood handle, "D" grip. U. S. Army goods. ½ doz. in bdl
Doz Out

"AMSTUTZ" WOOD FORK

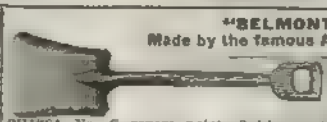
For [illegible] hay or [illegible] flax straw, alfalfa and shredded corn fodder. Will not soak up water.



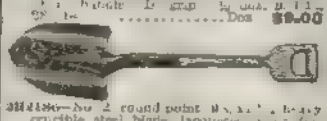
2H1712—[illegible] 11 in. spring [illegible] tines, [illegible] braced with [illegible] oil, 4½ ft. [illegible]
½ doz. in bdl
Doz **$8.50**

"BELMONT" SHOVELS

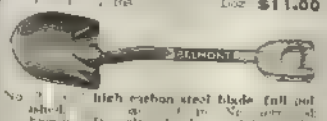
Made by the famous Ames Shovel & Tool Co.



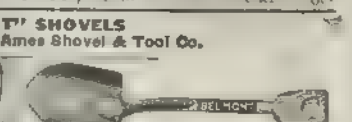
2H1861—No. 2 square point, [illegible] high carbon steel blade, [illegible] 28 in. Northern ash handle. "D" grip. ½ doz. in bdl. 27 lbs.
Doz **$9.00**



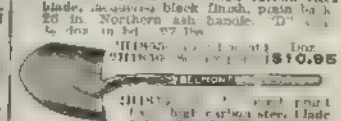
2H1862—No. 2 round point, [illegible] high carbon steel blade, [illegible] 28 in. 1-piece hollow back, [illegible] shank, 28 in. [illegible] "D" grip. ½ doz. in bdl. 27 lbs.
Doz **$11.00**



2H1871—Square point, [illegible] high carbon steel blade, full [illegible] ash handle. ½ doz. in bdl. 28 lbs.
Doz **$12.50**



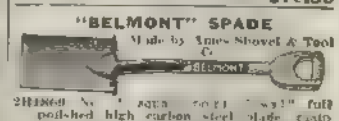
No. [illegible] square point, [illegible] high carbon steel blade, seamless black finish, pasted back, 26 in. Northern ash handle, "D" grip. ½ doz. in bdl. 27 lbs.
Doz **$10.95**



2H1863—[illegible] round point, [illegible] high carbon steel blade, full polished, [illegible] 28 in. Northern ash handle, "D" grip. ½ doz. in bdl. 29 lbs.
Doz **$12.50**

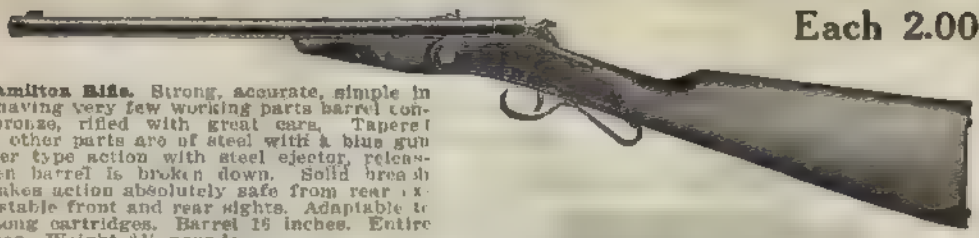
"BELMONT" SPADE

Made by Ames Shovel & Tool Co.



2H1869—No. [illegible] square point "Belmont" full polished high carbon steel blade, cast [illegible] socket, [illegible] 28 in. Northern ash handle, "D" grip. ½ doz. in bdl. 28 lbs.
Doz **$12.50**

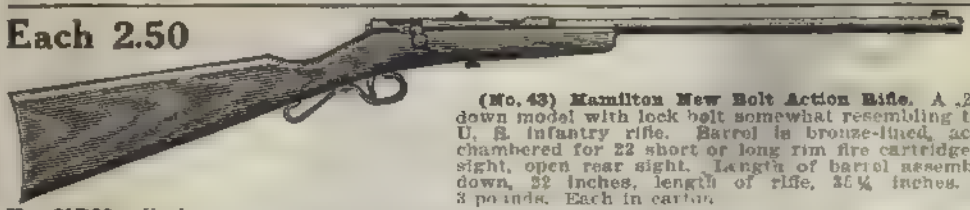
Rifles—22 Caliber



Each 2.00

(No. 27) Hamilton Rifle. Strong, accurate, simple in construction having very few working parts barrel constructed in bronze, rifled with great care. Tapered jacket and all other parts are of steel with a blue gun finish. Hammer type action with steel ejector, releasing shell when barrel is broken down. Solid breech lock which makes action absolutely safe from rear explosion. Adjustable front and rear sights. Adaptable to 22 Short or Long cartridges. Barrel 16 inches. Entire length 30 inches. Weight 2¼ pounds

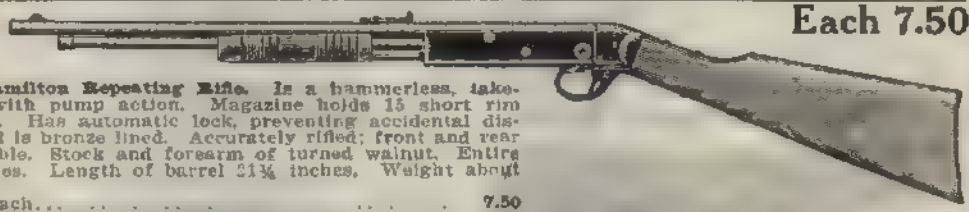
No. 21R31. Each 2.00



Each 2.50

(No. 43) Hamilton New Bolt Action Rifle. A .22 calibre takedown model with lock bolt somewhat resembling that used in the U. S. infantry rifle. Barrel is bronze-lined, accurately rifled, chambered for 22 short or long rim fire cartridges. Knife front sight, open rear sight. Length of barrel assembly when taken down, 22 inches, length of rifle, 35¼ inches. Weight about 3 pounds. Each in carton.

No. 21R32. Each 2.50

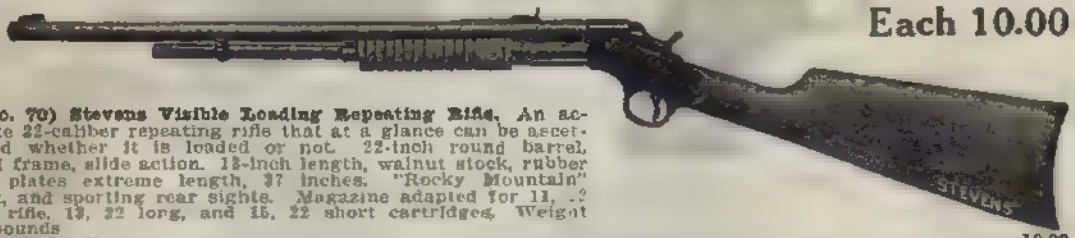


Each 7.50

(No. 39) Hamilton Repeating Rifle. Is a hammerless, takedown model with pump action. Magazine holds 15 short rim fire cartridges. Has automatic lock, preventing accidental discharge. Barrel is bronze lined. Accurately rifled; front and rear sights adjustable. Stock and forearm of turned walnut. Entire length 35 inches. Length of barrel 21¾ inches. Weight about 4 pounds.

No. 21R33. Each 7.50

Stevens Visible Loading Repeating Rifle

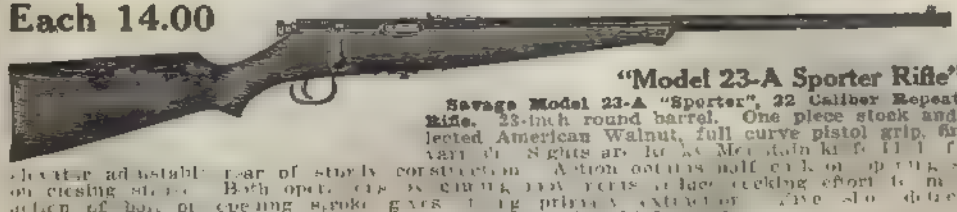


Each 10.00

(No. 70) Stevens Visible Loading Repeating Rifle. An accurate 22-caliber repeating rifle that at a glance can be ascertained whether it is loaded or not. 22-inch round barrel, blued frame, slide action. 13-inch length, walnut stock, rubber butt plates extreme length, 37 inches. "Rocky Mountain" front, and sporting rear sights. Magazine adapted for 11, .22 long rifle, 13, 22 long, and 15, 22 short cartridges. Weight 4½ pounds

No. 21R44. Each 10.00

Savage Repeating Rifles

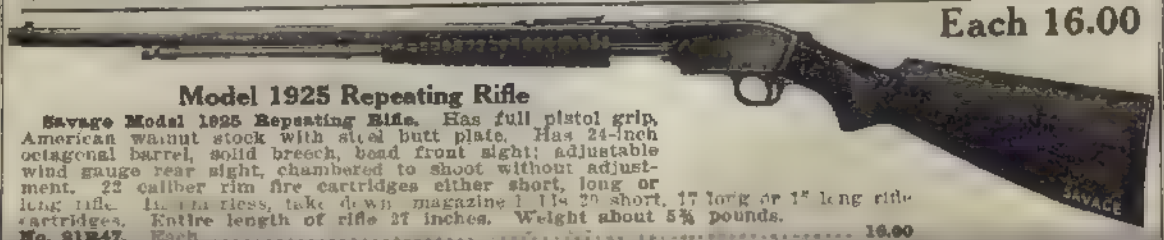


Each 14.00

"Model 23-A Sporter Rifle"

Savage Model 23-A "Sporter", 22 Caliber Repeating Bolt Action Rifle. 23-inch round barrel. One piece stock and forearm of selected American Walnut, full curve pistol grip, finished in rubbed var[illegible] Sights are [illegible] front and flat top elevator adjustable rear of sturdy construction. Action [illegible] full grip [illegible] opening stroke full [illegible] on closing stroke. Both operations [illegible] cocking effort [illegible] Cutting action of bolt [illegible] opening stroke gives [illegible] extractor [illegible] slot detachable box type magazine. Chambered for .22 long rifle cartridge. Weight 6 pounds

No. 21R45. Each ..... 14.00 **No. 21R46.** Extra Magazine ..... .40



Each 16.00

Model 1925 Repeating Rifle

Savage Model 1925 Repeating Rifle. Has full pistol grip, American walnut stock with steel butt plate. Has 24-inch octagonal barrel, solid breech, bead front sight; adjustable wind gauge rear sight, chambered to shoot without adjustment. 22 caliber rim fire cartridges either short, long or long rifle. [illegible] magazine [illegible] 20 short, 17 long or 15 long rifle cartridges. Entire length of rifle 37 inches. Weight about 5¾ pounds.

No. 21R47. Each 16.00

Automatic Pistols, Novelty Revolvers Gun Covers

Fire Arms or Ammunition Cannot Be Shipped by Parcel Post
Sold to Dealers Only

Walther 9-Shot Automatic

Walther 9 Shot Automatic Pistol. Takes Colt's Automatic Cartridges. Magazine holds 8 cartridges with one in chamber, making a total capacity of 9 shots. Blued finish with ornamental hard rubber handles.

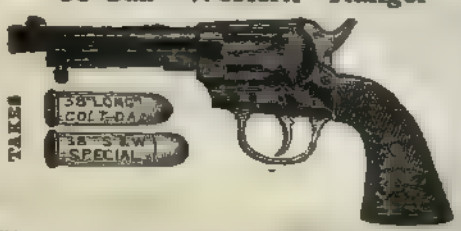
No. 21R101. 25 Caliber. Weight 18 ounces.
Each 12.50

Ortgies Automatic Pistol

Ortgies Automatic Pistol. Strictly high grade, self loading automatic pistol. Takes Colt's smokeless cartridges. Blued steel finish, walnut handles, safety lock.

No. 21R102. 25 Cal. 8 Shots, weight 14 ounces.
Each 8.50
No. 21R1024. Extra Magazine, for 25 Cal. Ortgies Pistol. Each ..... .85

38-Cal. "Western" Ranger

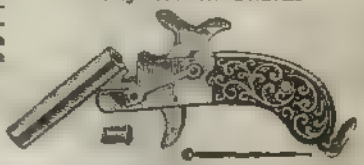


Western Ranger Belt Revolver. Blued steel case hardened frame, 38-caliber, six-shot, 5½-inch barrel, double action, sliding shell ejector, fluted cylinder. Fitted with fancy rubber or white bone handles. Weighs 33 ounces. Shoots 38 S. & W. Special or 38 Long Colt's C. F. Cartridges.

No. 21R103. With rubber handle, blued finish. Each 9.50
No. 21R104. With white bone handle, blued finish. Each 9.75

Miniature Pistol
Novelty Watch Charm

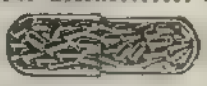
1 Box of 25 Miniature Blank Cartridges furnished with each Charm Pistol.



Miniature Watch Charm Pistols. An exact reproduction of a real pistol. Illustration actual size. It uses miniature blank cartridges and shoots just like a regular pistol. High grade nickel plated frame, octagon barrel, fitted with fancy design, **nickel plated** or **pearl handles.**

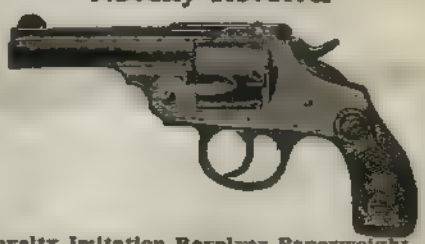
No. 21R1. With Fancy Design Nickel Plated Handles.
Per dozen..... 8.00

No. 21R2. With Pearl Handles.
Per dozen 14.50
Each 1.25



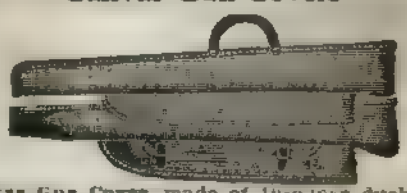
Miniature Blank Cartridges
25 in Box
No. 21R5. Per doz. boxes 1.75

Novelty Revolver



Novelty Imitation Revolver Paperweight. Has the exact appearance and size of a regular revolver. Can be used as a paperweight, or for protection. Made of cast metal, highly polished nickel finish, with fancy handles. One-sixth dozen in box.
No. 21R6. Per dozen.. ..... 6.00

Canvas Gun Covers



Canvas Gun Cover, made of 10-ounce duck, suitable for 30 inch gun barrel
No. 21R62. Per dozen 9.00
Canvas Gun Cover, made of 16-ounce duck with leather lock and muzzle protector and rod pocket for 30-inch gun barrel
No. 21R63. Per dozen 18.00
Folding Rifle Cover, made of 10-ounce duck, barrel pocket 28 inches long, stock pocket 26 inches long. Will take Remington Model 12, Savage Model 1914, Winchester 1890, 1900, 1902, Bayard and some single shot rifles
No. 21R61. Per dozen. 9.00

STANDARD GRADE SCALES

FAMILY SPRING SCALES

Especially constructed for household use. All have adjustable thumb screw. Capacity 20, 24 or 25 lbs. by ounces

STAR VALUE "Universal" —24 lbs. by oz. Size of top plate 6½ x 8½ in. Frame, back, rim and scoop of white enamel finish. Without Scoop— 1H2801 1 in carton, 5 lbs. Each $1.10
With Scoop— 1H2807 1 in carton 5 lbs. Each $1.38

"Pelouze" 24 lbs. by oz., 6½ in. square enameled top plate, black enamel frame, nickel striped steel frame, silvering gold dusted sweet, double platform supports. Without Scoop— 1H2823 1 in box, 5 lbs. Each $1.33
With 1 in Scoop— 1H2803—1 in box, 5 lbs. Each $1.45

"Universal"—25 lbs. by oz., 7 in. square enameled top plate, heavy steel frame, heavy bicker, nickel plated, finished edge, white enamel dial decorated in gilt. 1 in carton 4 lbs.
Each
1H2802 Blue $1.85
1H2805 White 1.90

1H2811 Hanson "De Luxe" 24 lbs. by oz., 6 in. white tile top (blue enamel), nickel trimmed frame, glass cover, brass dial with black figures, 12½ x 7½ in. nickel plated scoop, 1 in carton 4 lbs. Each $2.95

Price ticket every article

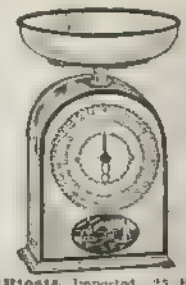
IMPORTED FAMILY SPRING SCALES

25 LBS. BY 2 OZ.

If you are looking for an outstanding value here is your opportunity.

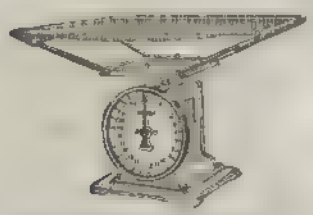
1H10576—Imported, 25 lbs by 2 oz., white enameled cast iron frame, 11½ in. gold trim and black figured dial, 8½ in. scoop, 1 in box. Each 95c

1H10613 Imported 25 lbs. by oz., heavy cast iron frame, white enameled, 10x7 in. white porcelain dial with Dutch blue design, 9 in. round scoop, 1 in box. Each $2.25



1H10614 Imported 25 lbs by oz., white enameled cast iron frame, white porcelain dial, Dutch blue Holland design, 9 in. white porcelain scoop, 1 in box. Each $3.00

NURSERY AND KITCHEN SCALES



Meets every requirement of the mother and housewife

1R2843 "Hanson" 25 lbs by oz. finished in white enamel. Detachable canvas hammock 1 in carton. Each $6.80

BATH ROOM SCALES

Adjustable dial for horizontal or perpendicular reading.

1H10700 Imported 220 lbs. by ½ lbs., heavy frame, 7¾ x 10½ x 7¾, painted white, gilt trim adjustable dial, can be read horizontally or perpendicularly, 1 in case. Each $7.75

GROCERS' SCALES

1H2800—4 lbs by ½ oz., black, japanned, chilled iron bearings, clear cups 10x5½ in., scoop 7 wire, 1 in case 8 lbs.
Each $1.90
6 or more, Each 1.80

SCOOP

1H2910 11½ oz. bright tin for all planting, family or 5g scales. 1 in pkg. Each 39c

SPRING BALANCE

STAR VALUE 1H10564—Imported 25 lbs. by in brass plate hook, painted case, polished ring top and hook. 1 in box. Doz. 84c

GUARANTEED STORE SCALES

These numbers are guaranteed to comply with all requirements of the Government Department of Weights and Measures

VEGETABLE SCALES

1H2846—28 lbs. by oz., 7 in. white dial with black figures, 12¾ x 7 in. nickel scoop, 1 in case. Each $2.50

"CHATILLON'S" SCALES

Each sealed to comply with the New York state, New York City, Vermont and Massachusetts inspection laws.

1H3836—20 lbs. by oz., red corner dial, white graduated dials, figures 10 in. white enameled pan, silver steel bow, nickel plated, 1 in box, 4 lbs. Each $2.98

Candy "Beauty," nickeled full polished, 12¾x8½, in. seamless brass confectioner's scoop, 10 in. beam, 1 and 4 lbs. nickel weights, 1 in case, 17 lbs.
1H2804 4 lbs. by oz. Each $13.50

COMPUTING SCALES Automatic

1H3670 — "Superb" 2 lbs. by oz. 5½ in. base, 8 in. high, beautiful nickel plated counter-of-store beam, adjustable to any price or graded sliding indicator plate, no wire to show wear, 11 coins from 5c to 25c, highly finished case, brass gold bronze mountings and brass scoop, 1 in box. Each $4.75

"CONTINENTAL" COUNTER SCALES

240 Lbs. by ½ Oz.

1H3450 "Union" 240 lbs. by oz., single beam 10½ x 11 in. platform, polished brass beams and points, double suspension, corner posts, permanently fastened to frame, finished in black enamel and gold, with 10x scoop, 1 in crate. Each $16.80

"TRUE WEIGHT" PLATFORM SCALES

600 Lbs. by ½ Lbs.

Single beam, enclosed platform, nickel plated, gold striped base and iron pan back, quartered oak, 10 in. beam, 24 in. platform, 1 in crate 150 lbs.

1H3685 Capacity 600 lbs., 18x24 platform, 1 in crate 150 lbs. Each $21.50

"MEILINK" STEEL STORE SAFE

It's a Safe Plan For You to Have a Safe. Just the Right Size for any Small Store

Fire resistance tested to stand 1550 degrees of heat—certified by Underwriters' Laboratories, Inc. Label on each safe. Carries lowest casualty insurance rating. Bears burglary insurance label which carries $20 protection. Insurance

2-door all steel construction, dark gray enamel finish, nickel plated trimmings, highest grade bronze lock, tempered steel bolt work, 2 inside steel doors with 2 combination locks, pigeon hole for papers

Dimensions	Outside	Inside
High	50 in	17 in
Wide	22¾ "	15 "
Deep	20½ "	15 "

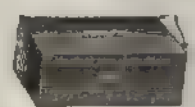
➡1H6839—(Dfrs 17) Shipping weight 465 lbs. Each $72.50

➡Shipped F. O. B. Toledo, Ohio

CASH BOXES

Imported—Heavy steel art hammered design, imitation silver oxidized finish, panel top nickel plated handle, inside painted red tray with compartments, double spring locks, 2 steel keys.

1H10824 8½ x 6½ x 4 in. box, 4½ lbs. Each $3.98
1H10825 11½ x 8¾ x 5 in. box, 10½ lbs. Each $5.95



1H4903—"Security," 11x7¾ x4 in., 16 gauge steel, black enamel finish, nickeled handle and escutcheon, 3 tumbler lock, 2 keys, each theme wrapped, 1 in box, 15 lbs. Each $4.85

"Remington" Cash Registers

Beautifully Finished — All "Total Adders"

These Cash Registers supply a printed report of the day's business at any time, showing date, number and total amount of sales, etc.

Ten features that place "Remington" Cash Registers in the front rank

1 Unusually large amount indicators.
2 Full word transaction indicators.
3 Central, autographic detail strip.
4 Perfect, visible list of last ten sales.
5 Unchangeable printed totals.
6 Printed proof of reset to zero.
7 Flexible keyboard.
8 Single lock control.
9 Visible printing total counters.
10 Grouped transaction counters.

17 Keys—Model A, 18¼ in. high, 16¼ in. deep and 11 in. wide, mahogany finish, which combines the usually large list of items for those of only a few, in a neat, compact autograph record where personal notes may be added. Last 10 sales always in view, single lock control with special "Corbin" key for each register, 1 in box, 115 lbs.

1H3711 Registers from 1c to 79c.
1H3831 Registers from 5c to $1.95.

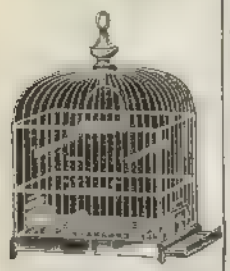
Each $150.00

BIRD CAGES

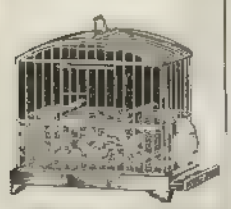
IMPORTED BIRD CAGES
With swings, perches, seed and water cups

1H10657—3 sizes, 4 styles. Nickel plated cages 8x8x12" to 10x10x15" with ring top and white enameled steel wire assorted bird screen and rose lined door with padlock. Assorted 6 in a carton. Each **$1.35**

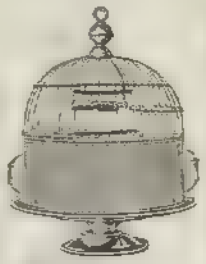
1H10523—3 sizes, lowest to 12"x12" white enameled steel wire cage with removable drawer base. Assorted 3 in case. Each **$1.05**



1H10634—6 styles, 11x13x15 to 12" x 12" x 19" white enameled steel wire assorted size cages with fancy green enameled brass tops, nickel plated brass corner posts, wire bird guards, removable drawer base. Assorted 6 in case. Each **$1.95**



1H10513—3 sizes, 6x6x10" to 12x12x18" white enameled steel wire cages with fancy green enameled brass tops, nickel plated brass corner posts, wire bird guards, removable hand painted floral design enameled tin drawer base. Assorted 3 in case. Each **$2.15**



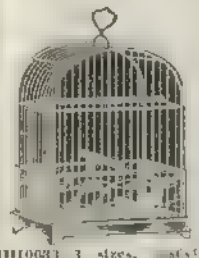
1H7893—10x16, brass spring wire, 4¾ in. brass wire guard, open brass stand with finish, nickel plated tray. 1 in carton. Each **$2.50**

Antique Brass Finish Steel wire cage with guard, spring door, removable white enameled tray

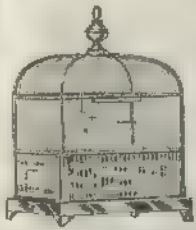
1H10525-1—11x13 . . . 1 in carton. Each **$2.70**
1H10525-2—13x15 . . . 1 in carton. Each **2.80**
1H10525-3—15x16 . . . 1 in carton. Each **2.60**
1H10525—3 sizes, 11x13 to 12½x16. Assorted 3 in wood case. Each **$2.40**

White Enameled Steel wire cages, assorted light and dark green trim, 4¾ in. wire guard, removable white enameled tray

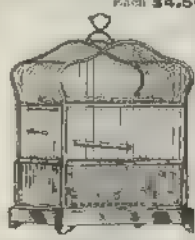
1H10510—1 . . . 9½x10½x13½" . . . 1 in carton. Each **$2.95**
1H10540-2—10x12x17" . . . 1 in carton. Each **$3.00**
1H10540-3—11x13x18" . . . 1 in carton. Each **3.15**
1H10540—3 sizes, 1 style to 11¾x13x18". Assorted 3 in case. Each **$2.40**



1H10631—3 sizes, assorted styles, brass wire spring hinged doors, 4 removable perch & glass guards, nickel or white base. Assorted 3 in case. Each **$3.85**



1H4651—2 sizes, 14"x9"x14" and 18"x9"x14" brass wire cages with fancy glass panels, brass top, brass base rod, removable drawer. Assorted 2 in case. Each **$4.50**



STAR VALUE 1H4652—10½x8x14½" cages with 4 removable fancy glass panels, brass top, brass base, 1 in case. Each **$4.95**

1H10526—2 sizes, 11½x13½ and 13½x15½" brass wire cages, assorted styles with green enameled tops, cellufoid panels with Japanese scenery, hanging rings, removable trays. Assorted 2 in case. Each **$5.75**

STAR VALUE 1H4654—12" x 7" x 15" porcelain brass wire cage, fancy removable glass panels, removable drawer base, knob feet. 1 in case. Each **$7.20**

"HENDRYX" BIRD CAGE ASSORTMENTS
Patent spring door fastener, with swing perches, seed and water cups.

1H5630—6 styles, square and oblong, 7½" x 11½ to 10" x 15½" wood base, brass wire and gray & white, painted cages, tin roof. Assorted 6 in carton. Each **$1.65**

1H5635—3 sizes, 11"x11" to 13" x 13" wire cages, enameled, 4 in. screen guard. Assorted 3 in case. Each **$3.60**

"HENDRYX" BIRD CAGES—Solid Sizes
Patent spring door fastener, with swings, perches and cups.

1H5649—11 x 17½ white enameled red brass beaded wire guard, ornamented stand. 1 in carton. Each **$3.60**

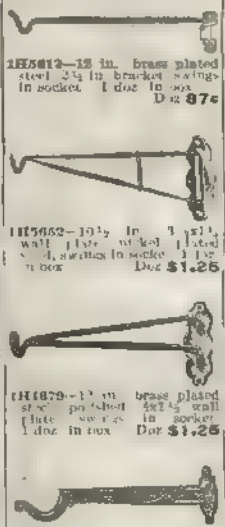
1H5648—11" x 17½" brass spindle wire guard, brass wire gothic stand, white finish, removable white enameled tray. 1 in carton. 9 lbs. Each **$3.75**

BIRD CAGE STAND

STAR VALUE

1H5651—5¾ ft. high, 18x24 ring light brass tubing 9 in loaded brass base. 1 in case. Each **$4.95**

BIRD CAGE HOOKS



1H5612—12 in. brass plated steel 2¾ in. bracket swings in socket. 1 doz. in box. Doz **87c**

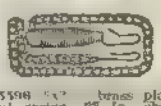
1H5652—10½ in. 3 coil wall plate nickel plated steel, swings in socket. 1 doz. in box. Doz **$1.25**

1H4679—12 in. brass plated steel polished 4x1¼ wall plate swings in socket. 1 doz. in box. Doz **$1.25**

1H5654—10 in., heavy cast iron, antique brass finish. 1 doz. in box. Doz **$2.10**

BIRD CAGE SPRINGS

1H5595—3 in. brass plated coil spring. 3 doz. in box. Doz **48c**



1H5598—5½" brass plated coil spring, 25 in. chain. 1 doz. in box. Doz **$1.20**

1H5611—3 in., double brass plated coil spring, loop and hook ends. 1 doz. in box. Doz **87c**

"MEL-O-DEE" CANARY BIRD SEED AND GRAVEL

Bird Seed—12 oz. box, fresh recleaned mixed millet, canary and sweet rape seed, a piece of cuttle bone in each. 1H5600—½ doz. boxes in carton. 30 lbs. Doz boxes **89c**

Silver Gravel—24 oz. box. Tear. 1H5601—8 doz. boxes in case. 97 lbs. Doz boxes **84c**

"RADIO"
Non-Electric
Vacuum Cleaner

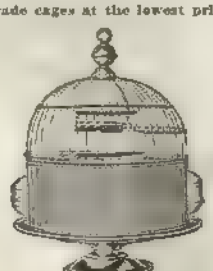
Full automatic friction drive—easy to operate.

Powerful suction easily removes dirt and dust, injurious dust revolving brush, by action of the air and fan. Cleans entire thoroughly. Has dust or switch of water to get out of carpet. Much higher than the average of electric vacuum cleaner and therefore last wearing on both rugs and operator.

1H6660—Cast aluminum case 12 in. nozzle, revolving brush, rubber tired wheels, rubberoid finish handle, pistol grip, heavy twill dust bag. 1 in box. Each **$15.00**

BRASS WIRE CAGES
3 Sizes

High grade cages at the lowest price we have seen.

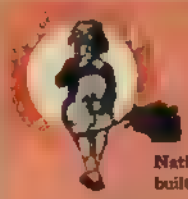


1H5650—3 sizes, 12½x15 to 14½x18, brass wire, 4 and 5 in. brass wire guards, removable white enameled tray. Assorted 3 in carton. Each **$3.35**

DER SCHOTTISCHE DUDELSACKPFEIFER.

Line Plate on Copper
from Steel Engraving

WALKER ENGRAVING COMPANY
NEW YORK



"SCRANTON"

Lace Curtains, Nets and Window Drapes

Nationally Advertised and known from coast to coast. The Scranton Lace Co., over a period of 25 years, has built up an enviable reputation for good merchandise. Quality is never sacrificed for price—yet the prices are unusually low. "Scranton" products are easy to sell, make satisfied customers and pay you worth while profits besides.

"Scranton" Fringed Panels and Curtains

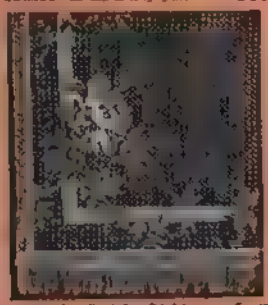
Light ecru color with 3 in. silk bullion fringe. Each in envelope

Novelty Net Panel—[illegible] effect over border on [illegible] border
2D6250—[illegible] Pair 80c
2D6251—45 in. x 2¾ yds. Each 80c

Filet Net Panel—[illegible] panel effect deep matched border
2D6253—40 in. x 2½ yds. Each 75c
2D6254—45 in. x [illegible] yds. Each 95c

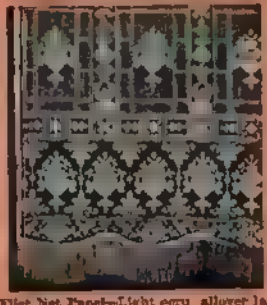
Filet Net Panel—[illegible] figure on arched panel effect border
2D6254—36 in. x [illegible] yds. $0.80
2D6255—45 in. x [illegible] yds. 1.00

Novelty Net Panel—[illegible] and figure design on arched border
2D6256—36 in. x 2½ yds. $0.98
2D6257—45 in. x [illegible] yds. 1.15



Novelty Net Curtain—Light ecru fancy [illegible] and floral novelty border design, side hem sides.
2D6258—44 in. x 3½ yds. Pair $1.65

Novelty Net Panel—light ecru, fine [illegible] allover shadow design, [illegible] effect, [illegible] top and bottom.
2D6259—42 in. x 2½ yds. Each $1.50



Filet Net Panel—Light ecru allover lattice medallion panels, matched borders
2D6260—40 in. x 2½ yds. Each $1.75

Novelty Net Panel—Light ecru, fine quality new Brussels effect, matched enlarged border
2D6261—46 in. x 2½ yds. Each $2.00

"Scranton" RAYON Panels and Ruffled Curtains

Filet Net Panel with [illegible] design, matched heavy mesh border, 3 in. silk bullion fringe. Each in envelope. Pair
2D6262—36 in. x 2¾ yds. $1.65
2D6263—45 in. x [illegible] yds. 2.10

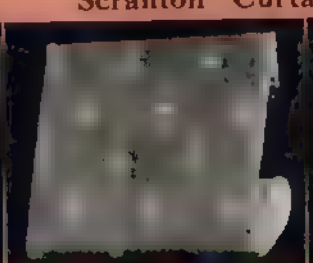
Novelty Net—[illegible] and shadow design and effect border, 3 in. silk bullion fringe. Each in envelope
2D6264—30 in. x 2½ yds. $2.00
2D6265—45 in. x [illegible] yds. 2.60

Novelty Net—Silver, [illegible] and stripe forming panels matched floral border, 3 in. silk bullion fringe. Each in envelope.
2D6266—42 in. x 2½ yds. Each $3.00

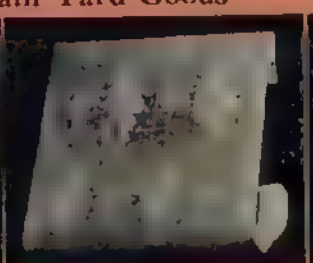
5 Piece Curtain Set
Rayon Marquisette—Maize [illegible] weave, [illegible] and [illegible] with [illegible] in colored rayon border [illegible] and [illegible] with colored edge ruffle, double [illegible] fin valance, 60x16 matched tie backs. SET (5 pcs)
2D6267—Maize with blue
2D6268—Maize with rose. $2.75

"Scranton" Curtain Yard Goods

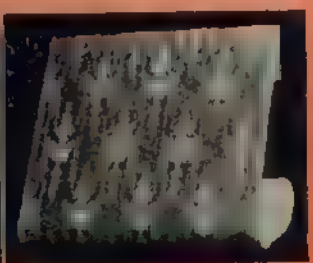
Filet Net Ivory [illegible] with [illegible] in. figured narrow side borders 25 yds. in pc. wrapped
2D6270—36 in. Yd 17½c
2D6270—45 in. Yd 21c



Filet Net Ivory [illegible] are [illegible] design, heavy borders 25 yds. in pc. wrapped
2D6271—45 in. Yd 27½c



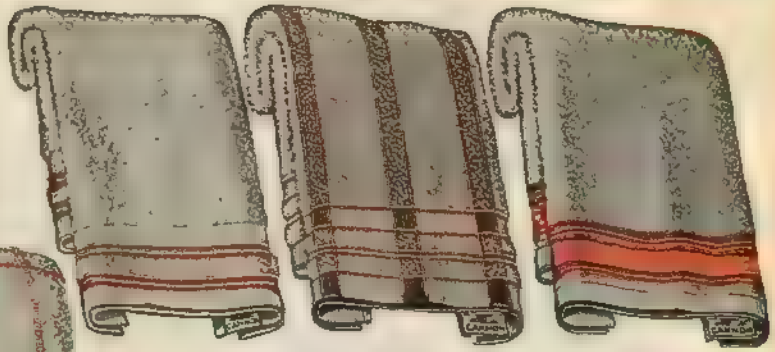
Novelty Net—Natural [illegible] creating new [illegible] effect [illegible] 25 yds. in pc. wrapped
2D6272—36 in. Yd 28c



Filet Net Ivory [illegible] panel effect 25 yds. in pc. wrapped.
2D6273—40 in. Yd 36c

CANNON TOWELS

TOWELS OF MERIT. Absorb quickly—wear well—cost less. Easy to sell because they are **nationally advertised** and so well known. **Guaranteed fast colors, too.** Through a special arrangement with the "Cannon" mills, Butler Brothers is the only wholesaler who has these towels assorted to the dozen. This gives you a greater variety for a smaller investment.



17x35—2½ Lbs.

2D3350—Soft even terry, best bleach, fast color twin stripe borders, asstd. blue, pink and gold selvedge one side, hem other, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$1.44**

18x36—2½ Lbs.

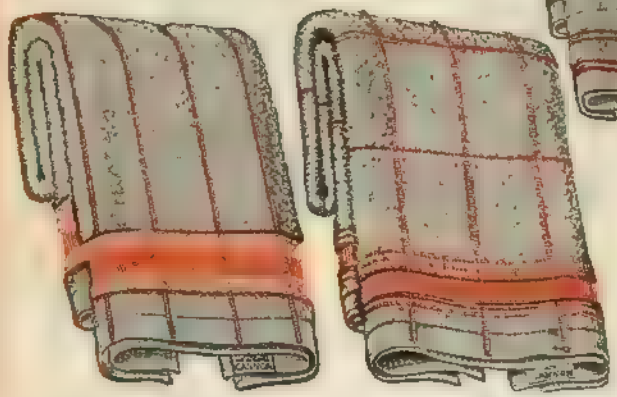
2D4760—Soft absorbent terry, best bleach, fast color combination blue & gold and blue & pink stripes, matched borders, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$1.87½**

18x36—3 Lbs.

2D4761—Uniform terry, best bleach, fast color blue, pink, gold and green novelty 2¾ in. dobby borders, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$2.25**



20x40—4 Lbs.

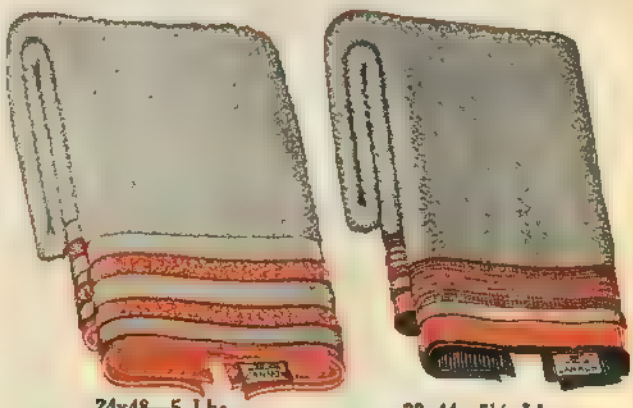
2D3357—Soft absorbent double terry, best bleach, uniform weave, fast color blue, pink and gold stripes and borders, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$3.00**

20x40—4¼ Lbs.

2D3383—Soft absorbent double terry, best bleach, uniform weave, fast color blue, pink and gold plaids, matched borders with terry stripes, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$3.25**



24x48—5 Lbs.

2D3788—Soft absorbent uniform single terry weave, perfect bleach, fast color blue, pink and gold borders and ends, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$3.75**

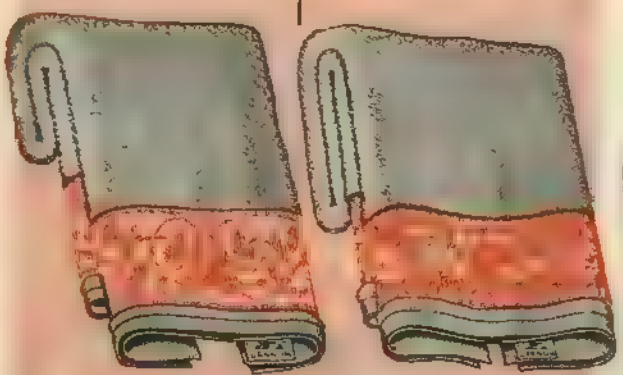
22x44—5½ Lbs.

2D4782—Heavy double terry, best bleach, fast color blue, pink, gold and green borders and 2 in. end, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

Doz **$4.25**

50c Wonder!

$1.00 Wonder!



20x38—4¼ Lbs.

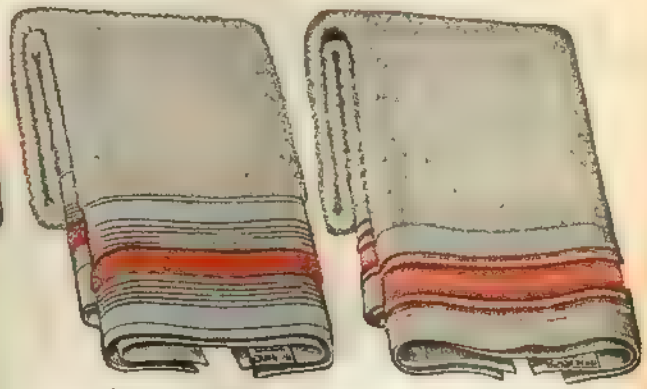
2D4764—Heavy double terry, best bleach, 4½ in. fast color blue, pink and gold Mitcheleine weave border, fast selvedges, hemmed ends. Asstd. 1 doz. in pkg.

DOZ **$4.00**

24x45—7 Lbs.

2D3398—Heavy compact uniform double terry, fast color 6½ in. novelty Mitcheleine weave border, narrow 1½ in. space, fast selvedges, 1½ in. hemmed ends. Asstd. blue, pink and gold, ½ doz. in pkg.

DOZ **$7.20**



22x44—7 Lbs.

2D3325—Heavy soft absorbent double terry weave, perfect bleach, novelty muslin cord stripes and fast color blue, pink and gold borders, fast selvedges, hemmed ends. Asstd. ½ doz. in pkg.

Doz **$5.00**

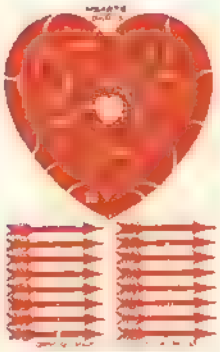
26x50—7½ Lbs.

2D3397—Heavy compact uniform double terry, best bleach, 3½ in. terry and fast color striped border, fast selvedges, hemmed ends. Asstd. ½ doz. blue and ½ doz. pink. Asstd. ½ doz. in pkg.

Doz **$5.50**

Peter Pan

THIS delightful game retains the charm and spirit of Barrie's dearly loved book. Two, three or four children play, taking the parts of the principal characters of the book, Peter Pan, Wendy, John or Richard. They take a trip to Never-Never-Land where Captain Hook and his fierce pirates dwell. Tinker Bell, the fairy, is caged in an ingenious box and tells each player in turn where to go by the tinkle of a bell. This is one of the most unique devices ever provided for any game. The child most favored by Tinker Bell gets back to the nursery first and wins the game. Peter Pan promises to be one of the big sellers of the coming year. *No. 16; retails for $1.00.*



Hearts and Darts

A delightful fortune-telling party game. Players, blindfolded, attempt to pin darts at center of a large red heart. Each player gets his fortune told according to the place where he pins his dart. *No. 12; retails for 25c.*

Donkey Party

No children's party is ever complete without this game where players, blindfolded, pin the tail on the donkey. Printed in realistic colors on sheet 18½ x 30", 24 tails provided. *Paper edition (No. 10) retails at 10c, cloth edition (No. 11) 25c.*

Home Team Baseball

EVERY known play that can be made in the national game is duplicated here. The ball is hit, the fielder makes the play, bases can be stolen, errors scored. The game supplies an umpire who settles all arguments, and the rules of organized baseball apply. From 2 to 18 people can play. Every boy and every baseball fan finds this a fascinating game. HOME TEAM BASEBALL was one of the big successes of 1926 and will be even more popular this year. *No. 3; retails for 50c.*

"Games that are Different"

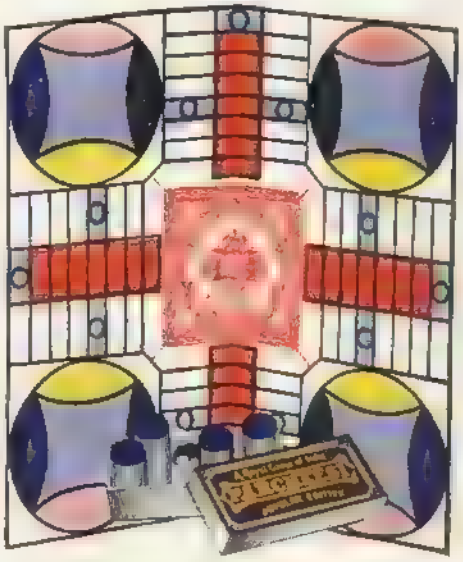
THE PARCHEESI FAMILY

The games illustrated and described in this folder represent the ripened experience of 60 years in the creation and sale of games that appeal to the American family. The name "Selchow & Righter" on a game, whether old or new, is your guarantee that it is original in conception, perfect in detail, and outstanding in value and enduring quality.

Selchow & Righter Co., 200 Fifth Ave., New York, N. Y.

Parcheesi

AMERICA'S favorite game which has enjoyed ever-increasing sales for half a century, and just now is enjoying a tremendous vogue in smart society. Made exclusively by Selchow & Righter. A big steady seller at all seasons, and just as popular with adults as with little folks. "Everybody loves to play Parcheesi." *Standard Edition (No. 1) retails for $1.00; DeLuxe Edition (No. 2) $2.00.*



Sumrun

THIS is the game (based on the British Minoru) that Europe went crazy about and preferred to bridge or roulette at many fashionable gatherings. Five horses run a race; one player acts as "bookmaker," and deals cards to move the horses from start to finish of the course. Any number of people can take part by placing wagers on any horse, from the favorite at 2 to 1 to the long shot at 10 to 1. A wonderful game to play for prizes, and equal fun for children and grown-ups. Sumrun will be one of the big game hits of 1927. *No. 18, with playing cards, retails for $2.50 No. 17, without playing cards, retails for $2.00*

Courtesy of Bigelow-Hartford Carpet Company

150 line screen four color process plates

THE SERVIAN RUG

Reproduced direct from merchandise with four color separation negatives, printed direct on copper in connection with flat halftone screen

Engraved and Printed by MAX LAU COLORTYPE COMPANY, CHICAGO

Sessions Clocks

REVERE

REVERE

35½ inches Long — 10 inches Wide
Mahogany Finish Case — Decorated Glass Panels
6 inch Iveroid or Silver Dial
Convex Glass
Eight Day Time or Strike — Hour and Half-Hour Strike on Cathedral Gong

List

Time Iveroid Dial	$23.65	Time Silver Dial	$24.65
Strike Iveroid Dial	$25.30	Strike Silver Dial	$26.30

YORK

YORK

26 inches Long — 8¾ inches Wide
Hand Carved Genuine Mahogany Case
Decorated Glass Panel — Convex Glass
6 inch Silver Dial — Eight Day Time Movement

List $31.00

ALDEN

ALDEN

35½ inches High — 10 inches Wide
Eight Day Time Movement — Convex Glass
Genuine Mahogany Case — Decorated Glass Panels
6 inch Silver Dial

List $35.75

SALEM

SALEM

42 inches Long — 12½ inches Wide
Genuine Mahogany Case — Decorated Glass Panels
8 inch Silver Dial — Convex Glass
Solid Brass Brackets and Eagle
Eight Day Time Movement

List $47.00

Sessions Clocks

SECRETARY No. 1

10¼ inches Long 8¾ inches High
Genuine Two Tone Mahogany Case
4½ inch Oval Dial with Wood Inlaid Effect
in Grained Mahogany Coloring
High Grade 8 Day Time Movement
List $14 70

SECRETARY No. 2

7¼ inches Long 10¾ inches High
Genuine Two Tone Mahogany Case
4½ inch Oval Dial with Wood Inlaid Effect
in Grained Mahogany Coloring
High Grade 8 Day Time Movement
List $16 20

SECRETARY No. 2

CANDLESTICK No. 3

8 inches High
4½ inch Base
Solid Mahogany
List, per Pair $8.40

CANDLESTICK No. 4

8 inches High
4½ inch Base
Solid Mahogany
List, per Pair $6.15

CANDLESTICK No. 5

10¼ inches High
5 inch Base
Solid Mahogany
List, per Pair $5.45

CANDLESTICK No. 6

8¼ inches High
4½ inch Base
Solid Mahogany
List, per Pair $8.50

Old Homestead Series

COPLEY

15½ in. High
9¾ in. Wide
List $16.20

CONCORD

13 in. High
9¾ in. Wide
List $13.25

CHIPPENDALE

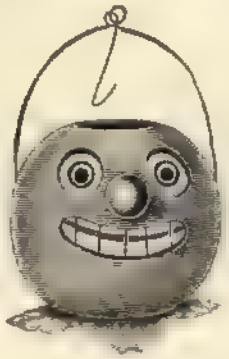
17¼ in. High
10¾ in. Wide
List $19.15

Genuine Mahogany Cases
8 Day Movements

5 inch Old Ivory Colored Art Dials
Hour and Half-Hour Strike on Cathedral Gong

THIS IS A SHACKMAN YEAR

The most sensational line of Novelties ever shown.
This is a strong statement, but we are not given to exaggeration.
We have a wonderful assortment and we invite the trade throughout the United States to look it over.
Compare our prices, only one price, but it is the lowest.
No discounts, all net prices. The same price to everybody. Buy with confidence.



HALLOWE'EN, THANKSGIVING and CHRISTMAS in full array.
The best the market has and at the lowest prices. For instance, compare our Pumpkin Lanterns with others and note the difference.
TURKEYS—The best models and best make.
TREE ORNAMENTS and TRIMMINGS different than shown elsewhere.
For those who have not bought this class of goods before from us we ask you to inspect the array.

B. SHACKMAN & CO.

906 BROADWAY, at 20th ST. THE NAME IS IMPORTANT NEW YORK CITY

BROWNIE BARROW

Patent Applied For

DIMENSIONS
33" long, 12" wide, 13" high
7" wheel with ¼" rubber tire

Harrison Mfg. Co.

Shelby, Michigan

"Woodworkers since 1893"

Good business and good fellowship suggest mentioning PLAYTHINGS.

....BUY AT FIRST HAND....

You get the biggest assortment of children's tea sets direct from the china manufacturer

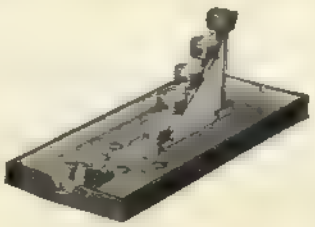
A. RIEDELER
Koenigssee
Thür, Germany
Established 1854

AGENTS WANTED

Ask for Free Catalog
AT THE LEIPZIG FAIR: Hansahaus, ground floor
Nr. 3, Grimmaischestr.
II. dept.: China dolls of all kinds dressed and undressed.

All sorts of first class

WOODEN TOYS and GAMES



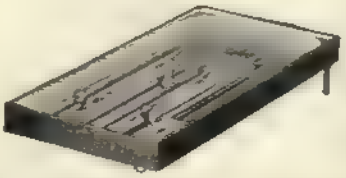
MANUFACTURED BY

CARL GROSS Esslingen a/N. Germany

ESTABLISHED 1852

Illustrated price list on application

Trade Mark



We will appreciate your courtesy in mentioning PLAYTHINGS.

SHAW DOLLS

The Utmost Value in Popular Priced Volume Sellers

From 25c TO $10.00 Retail

The Ultimate Daintiness and Charm in High Grade Quality Numbers

Jobbers and Quantity Buyers We Can Give You What You Want

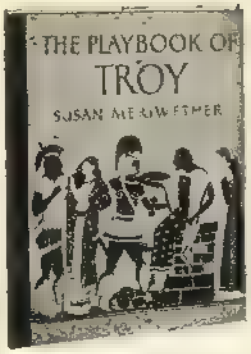
Whether you seek the market's best "buy" in Popular priced volume sellers or the season's latest vogue in Quality Numbers, let us prove it with Samples and Prices that SHAW has exactly what you want. Adequate production facilities insure deliveries when promised. Write today for a SHAW SAMPLE ASSORTMENT.

SHAW DOLL CO., Inc.

141 Wooster St., New York City

Phone: Spring 2892

B. SHAW, President
(Formerly President Well Made Doll Co., Inc.)



Actual Size: 13⅛" high x 10⅝" wide.

You've Never Seen
A Book Like This
ORDER A SAMPLE

You don't have to wait until the Holidays to sell the PLAYBOOK. They are selling steadily in prominent toy departments NOW! Write for sample and quantity prices today and see for yourself.

Harper Introduces

The PLAYBOOK OF TROY

Every Book Its Own Theatre, With A Stage And All The Characters And Properties

THE Playbook of Troy has been a substantial success in every large toy department that has shown it because it is more than a mere book—it is a Playbook! The story depicts the immortal tale of Troy. Beautifully colored cut-out figures and a stage ingeniously formed by lifting off the back of the book and opening out the ends, reveal the scene of Troy with the sea, the boats and soldiers, the walls and the topless towers. For the first time in a juvenile book, the child can actually see and PLAY with what he reads about. Due to the novel cut-outs and stage, the Playbook displays wonderfully in small space, attracts instant attention and sells without demonstration. Retails for $2.00. You'll agree Harper has brought out the most appealing idea in the Juvenile Book and Game section in many seasons when you see it.

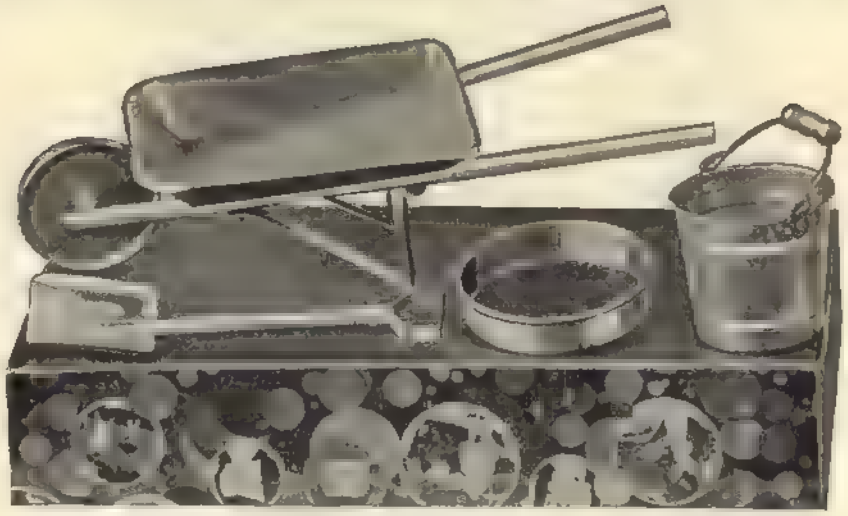
HARPER and BROTHERS

ESTABLISHED 1817

49 East 33rd Street New York

ALUMINUM SAND SETS

N E W



N E W

"THEY SELL EVERYWHERE — ANYTIME"

SEND FOR CATALOG AND PRICES

CLEVELAND **THE GEO. H. BOWMAN CO.** OHIO

MANUFACTURERS

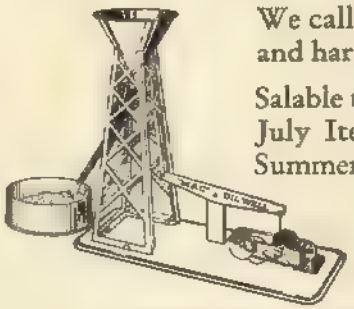
MAC TOYS & GAMES

FOR SUMMER SALES

AND

VACATIONS!

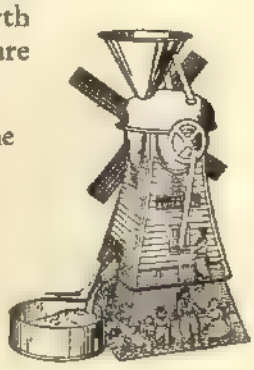
Do not fail to buy the 1927 MAC LINE. It includes a number of highly original hand-operated new Toys. Revelations in Beauty, Construction and Price.



We call special attention to the Mac Machine Gun, absolutely safe and harmless—a Gun that every Boy craves on sight.

Salable the year round—but especially a Big Fourth July Item. Our Dutch Mill and Oil Well are Summer Toys of beauty and action.

These items created a sensation at the Toy Fairs and a ready Sale is assured.



McDOWELL MANUFACTURING COMPANY

Millvale Branch—Pittsburgh, Pa.

New York Office: Room 410, Fifth Avenue Building

STIMULATORS

Boys' Sturdy School and Play Shoes

Retain about 4 months of the most rugged wear.

Round Toe Blucher—Black box kip leather [illegible] lined quarter to [illegible]

1K8070—Boys' [illegible] 1 to 6 state sizes. Pair $2.70

1K8077—Small boys' [illegible] 8 to [illegible] state sizes. Pair $2.20

Women's Felt Slippers

With "Hy-Lo" Turned Collars

Firm strong wool & cotton felt, silk pompon [illegible] cut

Case Assortment—36 pairs.
1K8045—Asstd. colors. Asstd. sizes 4 to 8 Pair 39c

Open stock—4 to 8—state sizes.
1K8045A—Asstd. colors Pair 42½c

Men's Sweat Shirt

1K747—Natural color [illegible] for [illegible] 34—state sizes [illegible] Doz. $7.50

Men's & Boys' Semi-Dress and Work Shoes

Guaranteed fiber counters, all leather lined grain leather soles, high grade rubber heels. Whole sizes unless otherwise described. 1 pair in box.

Scout Tan Chocolate elk upper [illegible] nailed sewed. Pleasants rubber soles. [illegible] wide widths.

1K8065—Men's Sizes 7 to [illegible] state sizes Pair $2.20

1K9006—Boys' Sizes 8 to 6 state sizes Pair $1.55

1K8010—Mens, high class work blucher, [illegible] brown [illegible] of grain [illegible] Sizes 6 to 12 and 13 to 18 [illegible] state sizes. Pair $2.80

NEW LOWER PRICES

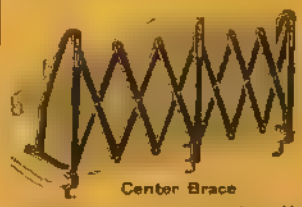
Popular Size Tires

See Pages 99-102

54 In. Steel Luggage Carrier

For Auto Running Board

Heavier, sturdier construction than usual at this price



Center Brace

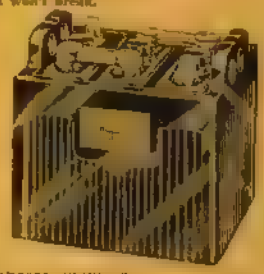
1K70—[illegible] construction, black [illegible] well riveted, center brace, [illegible] by 3 heavy clamps, extends to [illegible]

Each 85c
6 or more, Each 75c

"Utility" Storage Battery

For Fords and Chevrolets

One-piece rubber case that won't leak and won't break.



➡1K7050—"Utility" [illegible] for [illegible] charged ready for installation. 1 in crate. Each $6.75

➡*Shipped F. O. B. factory in New York City*

30x3½ Gray Inner Tube

Guaranteed One Year

Opportunity to challenge your competitors with a price that will create a sensation!

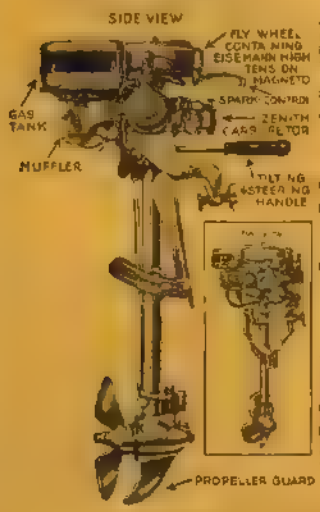
First Quality

1K75—30x3½ [Ford size], gray, absolutely first quality, standard weight and gauge, guaranteed 1 year

Each 95c | 6 or more, Each 90c | 12 or more, Each 85c

"Pennant" Outboard Twin Motor

Made by Caille Perfection Motor Co—Interchangeable Standard Parts



Improved [illegible] motor [illegible] vibration [illegible] [illegible] starting [illegible] [illegible] fresh or salt water. Motor wt. 62 lbs., shipping wt. 100 lbs.

Motor—2 directly opposed cylinders, 2 cycle, with fire at same time eliminating vibration. [illegible] muffler quiets motor.

Speed [illegible] 3½ in. stroke 2 in. B. P. M. [illegible] H. P.

Construction [illegible] [illegible] steel [illegible] shaft [illegible] [illegible] [illegible]

STIMULATORS

Steel Casting Fish Rods

Nickel Trim—Cork Grips

1 doz. No. 17 Telescopic steel, baked black enamel [illegible] cork grips, large offset [illegible] casting guides and tip. 4 in pair [illegible]

1K[illegible] [illegible]
1K[illegible] [illegible]
1K[illegible] [illegible]

Each $1.75

Braided Cotton Fish Lines

84 Ft.

1K[illegible] [illegible] Doz. $8.25

"Competition" Folding Camp Cot

Especially suitable for campers and tourists—easily carried

Overside side rails prevents broken frame.

Folds to compact size for carrying.

1K1881—"COMPETITION" 75 in. long, 25 in. wide, 12 oz. single filled white canvas, 1¾ in. hardwood frame, good materials but not guaranteed. 1 in pkg. Wrapped 14 lbs. Doz. $24.50

Japanese Lantern Assortment

1K765—[illegible] Doz. 92c

"Olivpalm" Complexion Soap

Our new low price on this soap is below the usual wholesale cost. It's a REAL BARGAIN!

Y8635—About 3 oz., pure milled green stock, combination palm and vegetable oils. 1 doz. to carton. [illegible] $4.15

"La Muir" Toiletries

Staple preparations and year-round sellers. Four ounce size. Usual 35c values.

4 oz. clear glass bottle, gun-metal [illegible]

Y6300 [illegible]

Y6301 [illegible]

Y6302 [illegible]

Y6303 [illegible]

Y6304 [illegible]

Doz. 78c

Each $9.00

"Sanico-Sterno" Picnic Sets

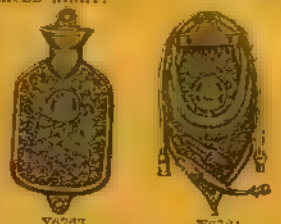
Just the thing for August vacation lei-sure for the beaches

Y338—38 piece set, assd. as follows:
1 paper [illegible]
6 large [illegible]
[illegible]
6 [illegible]
6 [illegible]
1 [illegible]
[illegible]

Each $2.80

Hot Water Bottle and Syringe

Attractively finished, very well made and PRICED RIGHT!



Y6763 Y6764

"Life Saver"—Trade size 2 qt. chocolate color seamless rubber, molded, [illegible] Syringe includes rapid flow 5 ft. rubber [illegible] hard rubber connections. [illegible]

Y6763—Hot water bottle.
Y6764—[illegible] syringe.

Each 45c Doz. $5.00

Hydrogen Peroxide

Positively the lowest price we have ever named on this size. You ought to double your money on it.

The 10c Size

Y8126—4 oz. U. S. P., amber colored bottle [illegible] purity, strength and [illegible]

Doz. 58c Gr. $6.00

New Lower Prices

Popular Size Tires

See Pages 99-102

NEW "CLARODYNE" RADIO PLAN for the 1927-28 Season is ready

6 MONTHS' TIME TO PAY

Write for Exclusive Dealer Proposition

Address G. LUNDIE, Radio Dept.

WOOD COASTER WAGONS
KIDDIE-KART SPECIAL

Roller Bearing

Body is made of selected kiln-dried Vermont hardwood. Pressed steel gear throughout. Tubular axles with short bearing shaft of special analysis steel. The Disco steel wheels are double disc steel electrically welded with accurately made smooth running roller bearings, lubricated and sealed at the factory. The rubber tires are oversize and of high quality. Slotted nut adjustment on king bolt in steering gear prevents wobbling. Lock washers under every nut to prevent nuts from rattling off. Wood parts are finished with three coats of natural varnish with red trimming. Metal parts are baked black enamel, wheels are red enameled.

No. 204 and 205 have an embossed strap handle; No. 201, 202 and 208 have a cross pin serving as handle.

No.	Size of Body Inches	Diameter of Wheels Inches	Size of Tires Inches	Weight Each Pounds	Each
201	20x 8½x2⅝	4⅝	⅛	6½	$3.00
202	24x10½x2⅞	5½	⅞	9½	4.00
203	30x12 x2⅞	6¼	⅞	11⅝	5.00
204	30x12 x2⅞	7¼	⅞	14⅝	6.00
205	32x13 x3¼	8½	⅞	20½	7.00

Two in a Shipping Carton

KIDDIE-KOASTER

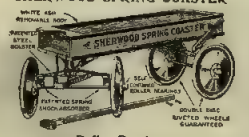
Roller Bearing

Body is made of carefully selected kiln dried ash and maple, highly finished. Disco steel wheels consist of double disc steel electrically welded with self-contained dust proof roller bearings and are equipped with large rubber tires. Automobile type hexagon hub caps threaded to screw on like automobile hub caps. Adjustable automobile type hub brake. All metal gearing, steel channel bolsters. Chrome manganese steel axle. Castellated nut for accurate adjustment in steering gear. Heat treated king bolt. Steel handle loop and handle braces. The finish is baked spar varnish on woodwork, baked enamel in all metal work. Body is finished in the natural wood with red trimmings, wheels are red enameled, gearing is finished in black enamel.

No.	Size of Body Inches	Diameter of Wheels Inches	Size of Tires Inches	Weight Each Pounds	Each
605	24x14x4¼	10	1	35½	$10.50
606	32x16x4½	10	1	38½	11.75

One in a Shipping Carton

WOOD COASTER WAGONS
SHERWOOD SPRING COASTER


WHITE ASH REMOVABLE BODY
SHERWOOD SPRING COASTER
SELF CONTAINED BALLED BEARINGS
PATENTED SPRING SHOCK ABSORBERS
DOUBLE DISC RIVETED WHEELS GUARANTEED

Roller Bearing

Carefully selected white ash body with removable sides and ends. Equipped with double disc riveted steel wheels with solid rubber tires. Friction-proof self-contained steel roller bearings. Nickel plated hub caps. Steel bolster construction. Steel spring shock absorbers are attached to the bolsters and enveloped in solid steel casings. These casings are made of such a height that under heavy pressure they transfer the weight directly to the axle and to the transverse spring, thus ensuring ease of riding. The brake is always held in place by a concealed spring back of the bolt. Body is finished in the natural varnish with red trimmings, bolsters are black enameled; wheels are red enameled.

No.	Size of Body Inches	Diameter of Wheels Inches	Size of Tires Inches	Weight Each Pounds	Each
C32R	14x32	8	⅝	31	$9.55
C34R	14x34	10	⅝	35	10.40
C38R	16x38	10	⅝	38	11.55

One in a Shipping Carton

Extra Wheels

Diameter, Inches	8	10
For Wagons, No.....	C32R	C34R and C38R
Each	$1.10	1.25

JANESVILLE COASTER

Ball Bearing

Selected white ash body and bolsters, equipped with ball bearing steel disc wheels with nickel plated dust caps. Side and end panels are removable. Wheels are made with two full discs and mounted with a substantial steel convex rim. Ball bearings are of the regular automobile cup and cone type with ¼ inch balls, the cups, cones and balls being assembled as a unit with the wheels, which can be removed without the balls or bearings coming out. Cups and cones are especially heat treated and case hardened. Axles are of ½ inch rolled steel. Front and back bolsters strongly braced with ⅝x⅞ inch steel braces. The bound brace re-enforces the tongue. It never can work loose from the bolster, because the king bolt fits through it. The same is true of the bolster brace, running from the front bolster to the center of the wagon. Body panels and bolsters finished in the natural wood with red mouldings; braces are black enameled and the wheels are red enameled. With brake.

No.	Size of Body Inches	Diameter of Wheels Inches	Size of Tires Inches	Weight Each Pounds	Each
12R	32x14	10	⅞	38	$12.50
12R	36x16	10	⅞	43	13.50

One in a Shipping Carton

Extra Wheels.....Each, $1.25

WOOD COASTER WAGONS
TRAIL BLAZER COASTER

Roller Bearing

Well seasoned hardwood body, bottom reinforced with hardwood cleats with moulded top. All steel channel type bolsters neatly shaped and strongly braced; ⅜ inch steel axles. Equipped with roller bearing disc steel wheels fitted with solid rubber tires. Nickel plated dust caps. Body is finished in the natural wood with bright red mouldings. Bolsters and all iron parts are black enameled. Wheels are bright red enameled.

No.	Size of Body Inches	Diameter of Wheels Inches	Size of Tires Inches	Weight Each Pounds	Each
52R	36x16	10	⅞	43	$11.50

Extra Wheels.....Each, $1.25

STEEL COASTER WAGONS
HARVARD

Roller Bearing

Heavy sheet steel body, reinforced with beads and roll on top and bottom. Platform is one piece extra heavy gauge steel. Heavy steel gear securely braced to body. Equipped with self-retained roller bearing heavy duty double disc steel wheels fitted with Balloon type, corrugated rubber tires. New stay-on, nickel plated hub caps. Handle is of curved steel tubing with steel loop grip. Body is finished in baked bright red enamel. Wheels are bright red enameled with yellow striping. Gear, platform and handle are black enameled.

No. 55 Size of body, 32¾x13¾ in.; diameter of wheels, 9½ in.; size of tire, 1 in.; weight, 50 lbs.....Each, **$10.00**

Extra Wheels.....Each, **$11.25**

BEN HUR

Roller Bearing

Heavy stamped steel body beaded to obtain maximum stiffness. Rounded corners and lock seams. Equipped with self-Contained roller bearing double disc wheels rigidly riveted together and fitted with highest grade rubber tires. Nickel plated automobile type hub caps. Hound is stamped from heavy steel. Handle is of curved steel tubing with loop handle. Body is finished in baked red enamel. Wheels are red enameled with gold striping.

No. 75 Size of body, 34x14 in.; diameter of wheels, 10½ in.; size of tire, 1 in.; weight, 36 lbs.....Each, **$10.50**

Extra Wheels.....Each, **$1.25**

All the Above. One in a Shipping Carton

CHILDREN'S AUTOMOBILES

DODGE

With ⅝ Inch Rubber Tire Plain Bearing Wire Wheels

All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel, steel front radiator; motor meter; nickel plated hub caps and steel pedals. Finish: Ozark blue with yellow striping.

No. 6507 Length overall, 34 inches; diameter of wheels, 10 inches; shipping weight, 30 pounds..... Each, **$9.60**

One in a Shipping Carton

ACE

With ½ Inch Rubber Tire Plain Bearing Wire Wheels

All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel with gas control lever, moto-meter; steel front radiator; bumper; nickel plated hub caps and steel pedals. Finish: American red, with yellow and black striping.

No. 6508 Length overall, 35 inches; diameter of wheels, 10 inches; weight, 30 pounds..... Each, **$11.00**

One in a Shipping Carton

DURANT

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels

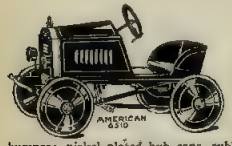
All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel with gas control; steel front radiator; moto meter; bumper; nickel plated hub caps and steel pedals, rear springs. Finish: American tangerine with black and yellow striping.

No. 6509 Length overall, 35 inches; diameter of wheels, 10 inches, shipping weight, 35 pounds..... Each, **$13.20**

One in a Shipping Carton

VELIE

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels



All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel with gas control; steel front radiator; moto-meter; bumper; nickel plated hub caps, rubber pedals. Rear springs and metal road lamps. Finish: Ozark blue with light blue striping.

No. 6510 Length overall, 35 inches; diameter of wheels, 10 inches; shipping weight, 38 pounds..... Each, **$15.00**

One in a Shipping Carton

JORDAN

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels

All steel body, seat, gears and radiator front. Hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel, gas control, nickeled moto-meter, bumper, rubber pedals, signal horn, metal headlights, license tags, rear springs. Finish: American red, with maroon panel and white striping.

No. 6512 Length overall, 35 inches; diameter of wheels, 10 inches; shipping weight, 35 pounds..... Each, **$16.00**

One in a Shipping Carton

CHANDLER

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels

All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel with gas control; steel front radiator; gear shift; rooter horn; moto-meter; license plate; trunk, metal headlights, adjustable windshield, rear springs. Finish: Light chrome green with dark green panel, white striping.

No. 6516 Length overall, 38½ inches; diameter of wheels, 10 inches; weight, 40 pounds..... Each, **$19.60**

One in a Shipping Carton

HUPMOBILE

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels

All steel body, seat, gears, fenders and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with cast steering wheel with ratchet spark control, steel front radiator; adjustable tinned windshield; bumper; moto-meter; fenders; running board; license plate; nickel plated hub caps and rubber pedals; rear springs. Finish: Ozark blue with light blue striping.

No. 6517 Length, overall, 36 inches; diameter of wheels, 10 inches; shipping weight, 44 pounds..... Each, **$18.80**

One in a Shipping Carton

WILLS STE. CLAIRE

With ½ Inch Rubber Tire Plain Bearing Steel Disc Wheels

All steel body, seat, gears and radiator front. Selected hardwood chassis. All steel reinforcement to support hood and steering wheel. Equipped with composition steering wheel, rooter horn; moto-meter; all steel radiator front; metal road lamps with glass lens; bumper; spare wheel with cover; gear shift; gas tank, license plate; instrument board; oil can; nickel plated hub caps and rubber pedals; rear springs. Finish: Portland amber, with light tan top, red panel, white striping.

No. 6522 Length overall, 47 inches; diameter of wheels, 10 inches; shipping weight, 60 pounds..... Each, **$24.50**

One in a Shipping Carton

NASH

With ⅝ Inch Rubber Tire Plain Bearing Steel Disc Wheels

All steel chassis, seat, gears, fenders, radiator front and running board. All steel reinforcement to support hood and steering wheel. Equipped with composition steering wheel; rooter horn; instrument board; moto-meter; steel front radiator; metal road lamps with glass lens; gear shift; rear trunk; license plate; oil can; rear springs; nickel plated hub caps and rubber pedals. Finish "Duco" bronze green with "Duco" green panel, white striping.

No. 6524 Length overall, 43 inches; diameter of wheels, 10 inches; shipping weight, 57 pounds..... Each, **$24.65**

One in a Shipping Carton

ELECTRIC FANS.
"SIGNAL"—JUNIOR.

NON-OSCILLATING.

Distinctive beauty and well balanced lines attract buyers The Signal Jr. does more than "register present" it stands out in any display, even with fans much higher in price. Try it and see. You will note how eagerly your customer wants to see it work. Let the purchaser touch it off to show how lightly and quickly it snaps into action.

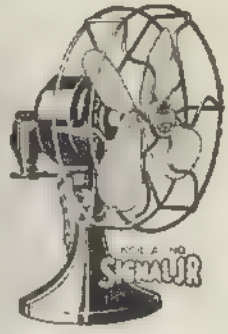
The smart curve of the special Signal Junior Blades turns a volume of air equal to fans much larger in size and higher in price and this without the usual nerve-racking whir of the ordinary fan This smooth silent action invariably determines the sale.

Every Signal Jr on your counter carries its own make-good selling message. The unusual quality built into the Signal Junior makes this two year guarantee possible. It is your assurance of satisfaction to your customers. It backs up your sales talk. The bearings are of Phosphor Bronze and the shafts are of the finest tool steel. Equipped with self lubricating oil wicks, three point toggle switch, new resistance unit which absolutely will not heat up and an improved oscillating mechanism. It is certainly fool proof. Operates on either A. C. or D. C. current

Net Each

NO. 809—Diameter, 8 inch, 4 Blades, Finished In Green Lacquer, Universal Motor.....List price $7.50 $11.24

ELECTRIC FANS.



The wonderful new Signal 9-inch Oscillating Fan finished in new standard Green Duco with two speed control switch in the base, toggle type, provides something different in the line of fan appearance as well as performance.

Built for the most extreme rough service, this fan will stand all the abuse that will ever be given it, and more, and still continue to give the same quiet smooth running performance as it did the first day it was put into service.

It is by no means an experiment but is a tested, tried and proven product of unequaled merit at its price, and combines the finest of materials and represents beauty unexcelled.

Net each

NO. 901—9-in. 4 blade oscillating, 110 volt A. C. Can be used as a stationery fan if desired, and can be instantly changed from one to the other by the turn of a convenient thumb screw.....List price $12 00 $18.00

WINDOW VENTILATOR.

The Signal Window Ventilator adjusts from 24 to 37 inches in width. Just lower the window from the top, set the Signal Ventilator in, adjust flush with window frame, raise the window flush against the Signal Ventilator, screw in the plug and it is ready for service

Serves to remove the hot air from the Kitchen, and through the suction from some other open window in the room will keep the room well filled with fresh air, and with a coolness that is refreshing

Every housewife is looking for just such an article, and from the large sale that this appliance enjoyed during its first year on the market, many of the housewives found just what they were wanting

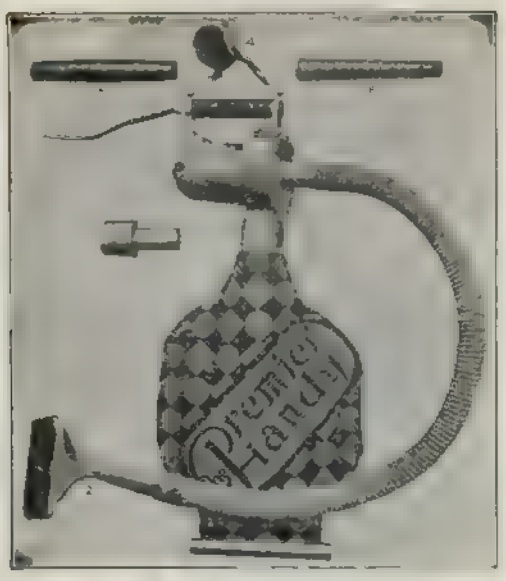
Nothing to get out of order, equipped with the sturdiest Electric Fan and motor that has ever been designed, constructed to last a lifetime, and always on the job.

Net each

NO. 902—9-in blades, 15 feet of cord, with feed through switch, 110-volt, A. C. .....List $16 00 $24.00

Federal Ortho-Sonic Receivers provide simplified control with the maximum of efficiency.

PORTABLE VACUUM CLEANERS



PREMIER HANDY

Ball-Bearing

ELECTRIC VACUUM CLEANER AND BLOWER.

For cleaning automobile upholstery—and for general use. A practical and essential accessory for the auto owner. Used either for suction or blowing. A new and different vacuum cleaner with a ball-bearing motor that does not have to be oiled. Stronger suction—better cleaning—longer life and less trouble.

Powerful Suction—Ball-Bearing Motor—Light Weight—Easy to Handle —Written Guarantee—Low Price

Motor. Air-cooled motor for General Electric type, thoroughly tested and guaranteed. Motor housing is of purest grade aluminum expertly fabricated. Handle at top is of black fibre securely fastened to projection from motor housing. Motor runs on precision ball bearings packed with lubricant which eliminate the necessity of oiling After several years of use the bearings can be re-packed if necessary

Sleeve Type Bag Connection. The twill bag is connected to the cleaner outlet by a sleeve bag connection with bayonet lock.

Slide-on Bag Clamp. This is a clamp which simply slides on to the end and is easily and quickly removed for cleaning

Cord. There is 20 feet of flexible cord which allows a large cleaning radius from one base receptacle.

The Premier Handy Equipment.

No. 1. Two and one-half foot hose sufficiently flexible to allow free use of the tools but not so flexible as to make careful guiding impossible.

No. 2. This is a carefully constructed, scientifically designed, tufted bristle brush tool. The brush section is removable so the tool may be used with or without the brush. This tool engages into hose No. 1 and may be used for cleaning articles of clothing and all materials of fabric construction.

No. 3. Blower coupling. When bag is removed this tool engages in the outlet of the cleaner. Hose No. 1 is forced over blower coupling and the outlet when so equipped is very effective in blowing the dust out of screens or out of corners, inaccessible to the Premier Handy when being used for suction purposes. Or, it may substitute for a fan in summer.

No. 4. Strap. Fitted with buckles by which the cleaner may be supported from shoulder.

No. 5. Short fibre section. Insert either end in hose No. 1.

No. 6. Soft nose tool. Attach to tool No. 5 and use for blowing dirt or dust out of corners, out of telephone exchange equipment, motors and dynamos, radiators, pianos, for drying hair, renovating pillows or mattresses. Also use for suction where larger tools cannot be used such as around the buttons and in the crevices of automobile upholstery.

Over 1000 Uses.

The Premier Handy is the only machine that accomplishes all cleaning tasks with an absolute minimum of effort It cleans where other cleaners can't Its uses are innumerable in the home, in the automobile, in the office, factory and store.

The Premier Handy is the product of one of the greatest exclusive cleaner factories in the world and is covered by an iron clad guarantee

	Net Each	
NO. 24 .....List	$40 00	$58.00

The Chateau-Thierry Pattern.

SINGLE DOZENS

		Dozen
H4570.	Tea Spoons 5 o'clock	$23.00
H4577.	Tea Spoons, medium	27.80
H4578.	Tea Spoons, heavy	34.50
H4579.	Dessert Spoons, heavy	56.00
H4580.	Table Spoons, heavy	78.00
H4581.	Soup Spoons, heavy	60.00
H4582.	Dessert Forks, heavy	56.00
H4583.	Dessert Knives, H. H. Stainless	60.00
H4584.	Dinner Knives, H. H. Stainless	78.00
H4585.	Dinner Forks, heavy	68.00

FANCY DOZENS

		Dozen
H4586.	Bouillon Spoons	$39.00
H4587.	Butter Spreaders, flat	41.00
H4588.	Coffee Spoons	20.00
H4589.	Fruit Knives, H. H.	57.00
H4590.	Grape Fruit Spoons	42.50
H4591.	Ice Cream Forks	42.00
H4592.	Iced Tea Spoons	50.00
H4593.	Oyster Forks	30.00
H4594.	Salad Forks, Ind.	52.50

FANCY SINGLE PIECES

		Each
H4595.	Berry Spoon	$12.00
H4596.	Bon Bon Spoon	4.10
H4597.	Bon Bon Tongs	4.10
H4598.	Butter Knife	6.50
H4599.	Cake Server, H. H. Stainless	7.50
H4600.	Cheese Server, H. H.	4.50
H4601.	Cold Meat Fork	9.20
H4602.	Cream Ladle	4.10
H4603.	Cucumber Server	9.20
H4604.	Gravy Ladle	8.40
H4605.	Jam Spoon	3.50
H4606.	Jelly Server	3.50
H4607.	Lemon Fork	2.00
H4608.	Olive Spoon, short	4.10
H4609.	Pickle Fork short	3.20
H4610.	Sugar Spoon	4.10
H4611.	Sugar Tongs, small	4.10
H4612.	Tomato Server	10.50

SETS

		Set
H4613.	Baby Set, Fork and Spoon	$5.40
H4614.	Child's Set, 3-piece	11.40
H4615.	Olive Set, Fork and Spoon, short	7.50
H4616.	Salad Set, Wood, Fork and Spoon	13.00

CARVING SETS STAINLESS

		Set
H4617.	Meat, 2 piece, guards	$32.00
H4618.	Game, 2 piece, guards	32.00
H1919.	Steak, 2 piece, guards	15.00

CHATEAU THIERRY

H4620.	5-piece Tea Set	$600.00
H4621.	Coffee Pot	300.00
H4622.	Tea Pot	168.00
H4623.	Sugar	120.00
H4624.	Creamer	90.00
H4625.	Waste	80.00
H4626.	Tray, 32 inch	650.00

One of Our Newer Patterns.

CELLINI PATTERN

Sterling Silver Flatware

925/1000 Fine

Platinum Finish

Named after the greatest Silversmith of all times.

Benvenuto Cellini of Florence, Italy.

Born 1500—Died 1571

CELLINI

		Dozen
H4949.	Tea Spoons, trade	$25.00
H4949.	Tea Spoons, regular	22.00
H4950.	Tea Spoons, heavy	30.00
H4951.	Dessert Spoons	55.00
H4952.	Table Spoon	69.00
H4953.	Soup Spoons	60.00
H4954.	Dessert Forks	58.00
H4955.	Dessert Knives, French Blade Stainless Steel	62.00
H4956.	Dinner Forks	65.00
H4957.	Dinner Knives, French Blade Stainless Steel	67.00
H4958.	Bouillon Spoons	32.00
H4958.	Butter Spreaders, Flat Handle	42.00
H4960.	Coffee Spoons	18.00
H4961.	Five o'clock Tea Spoons	24.00
H4962.	Fruit Knives, H. H.	55.00
H4963.	Ice Cream Forks	49.00
H4964.	Iced Tea Spoons	45.00
H4965.	Orange Spoons	42.00
H4966.	Oyster Forks	28.00
H4966a.	Salad Forks	45.00

CARVING SETS

		Per Set
H 1967.	Meat, 3 pc., with guards	$43.50
H4968.	Game, 2 pc., with guards	30.00
H4969.	Steak, 2 pc. with guards	15.00

FANCY SINGLE PIECES

		Each
H4970.	Baby Spoon, S. H.	$ 3.00
H4971.	Baby Spoon, Bent Handle	3.50
H4972.	Berry Spoon, large	12.50
H4973.	Bon Bon Spoon	4.50
H4974.	Butter Knife	5.75
H4975.	Cake Server, H. H.	7.50
H4976.	Child's Fork	3.50
H4977.	Child's Knife	5.50
H4978.	Cold Meat Fork medium	9.00
H4979.	Cream or Mayonnaise Ladle	$ 4.50
H4980.	Cucumber Server	11.00
H4981.	Gravy Ladle	4.50
H4982.	Jelly Server	4.50
H4983.	Olive Spoon	4.50
H4984.	Pie Server, H. H.	8.50
H4985.	Pickle Fork	4.50
H4986.	Sugar Spoon	3.50
H4986a.	Sugar Tongs	4.50
H4986b.	Tomato Server	11.00

DELLA ROBBIA PATTERN

Platinum Finish
Sterling Silver Flatware
925/1000 Fine

In this new pattern you will find the characteristic richness of ornament and form, balanced by fine perceptions of dignity and taste, which Luca Della Robbia, the 15th century Florentine master, contributed to the Renaissance.

Table Knife
Scimiter Blade

Table Fork

Note: French Blades Furnished Same in Price.

Staple Dozens

		Per Dozen
H4987.	Tea Spoons, Light	$23.00
H4988.	Tea Spoons, Medium	28.00
H4989.	Tea Spoons, Heavy	32.40
H4990.	Dessert Spoons, Medium	52.60
H4991.	Dessert Spoons Heavy	60.50
H4992.	Table Spoons, Medium	69.50
H4993.	Table Spoons, Heavy	85.00
H4994.	Soup Spoons, Round Bow.	57.60
H4995.	Dessert Forks, Medium	53.50
H4996.	Dessert Forks, Heavy	63.50
H4997.	Table Forks, Medium	69.50
H4998.	Table Forks, Heavy	83.50
H4999.	Dessert Knives, H. H.	56.00
H5000.	Dinner Knives, H. H	63.50

All Knives Stainless Steel Blades
Unless Otherwise Specified
French Blades same in Price

Fancy Dozens

		Per Dozen.
H5001.	Bouillon Spoons	$33.00
H5002.	Butter Spreaders, F. H.	38.50
H5003.	Tea Spoons (Demi Tasse)	17.30
H5004.	Five o'clock Tea Spoons	21.60
H5005.	Fruit Knives, H. H.	51.80
H5006.	Ice Cream Forks	40.30
H5007.	Ice Cream Spoons	40.30
H5008.	Iced Tea Spoons	49.00
H5009.	Orange Spoons	41.80
H5010.	Oyster Forks	28.80
H5011.	Salad Forks, Ind	51.80
H5012.	Sherbet Spoons (P. M. Spoons)	21.60

Sets

		Per Set
H5013.	Baby Sets Fork and Spoon	$ 6.15
H5014.	Child's Sets, Fork, Spoon and H. H. Knife	10.50
H5015.	Salad Sets O. W. Fork and Spoon, H. H.	11.20

Carving Sets†

(Stainless Steel Blades and Tines)

		Per Set
H5016.	Meat, Three-Pc., with Guards	$38.00
H5017.	Meat, Three-Piece, No Guards	34.00
H5018.	Game, Two-Pc. with Guards	25.20
H5019.	Game, Two Pc. No Guards	23.00
H5020.	Steak, Three Pc., with Guards	19.50
H5021.	Steak Three-Pc. No Guards	17.30
H5022.	Chop Set, Two-Pc. No Guards	10.80

†Price of Knife, Fork or Steel the same

Fancy Single Pieces

		Each
H5023.	Almond Spoons	$ 4.00
H5024.	Baby Forks	2.80
H5025.	Bone Knives, H. H.	3.60
H5026.	Bon Spoons Straight Handle	3.20
H5027.	Bon Spoons Bent Handle	3.60
H5028.	Berry Spoons, Large	13.30
H5029.	Bon Bon Spoons (Almond Shape)	4.00
H5030.	Bread Knives, H. H.	7.50
H5031.	Butter Knives	5.20
H5032.	Cake Servers, H. H.	6.10
H5033.	Cheese Servers, H. H.	4.30
H5034.	Cold Meat Forks, Medium	9.00
H5035.	Cream Ladles, Large	6.40
H5036.	Cucumber Servers	10.80
H5037.	Game Shears	19.50
H5038.	Gravy Ladles	9.00
H5039.	Ice Cream Servers, H. H.	12.00
H5040.	Jelly Servers	4.00
H5041.	Olive Forks	3.60
H5042.	Olive Spoons	3.60
H5043.	Pickle Forks	5.00
H5044.	Pie Servers, H. H.	7.20
H5045.	Preserve Spoons	8.25
H5046.	Sugar Spoons	4.00
H5047.	Sugar Tongs	5.40
H5048.	Tomato Servers	10.80

Tea Spoon

Ind. Salad Fork

"Heritage" Solid Silver
STERLING 925/1000 FINE

ROCHAMBEAU
Platinum Finish

LADY WELLESLEY
Platinum Finish

Two Classically Beautiful Patterns in

Solid Sterling Silver

ROCHAMBEAU

The Count de Rochambeau commanded the military and naval expedition sent to our aid, in the dark days of the American Revolution, by King Louis XVI of France.

Rochambeau was a veteran of many successful campaigns in the service of his king, and after his return from America was made Marshal of France. His personal character and qualities commanded the highest respect and endeared him alike to General Washington and to the American people.

This Rochambeau pattern has the beauty and pronounced dignity of the Louis XVI style from which it is derived, and thus the prestige and permanent worth of this classic French art.

LADY WELLESLEY

Lady Wellesley was a notable figure in American and European society in the early years of the nineteenth century. As Mary Caton she was one of three sisters, daughters of a distinguished Maryland family, whose beauty was such that they were famed in the royal courts of Europe as the "American Graces."

Her husband, the Marquis of Wellesley, was a brother to the Duke of Wellington, and it is an interesting coincidence that one of her closest friends, Elizabeth Patterson of Baltimore, married Jerome Bonaparte, youngest brother of Napoleon, so that the two friends became sisters-in-law to the greatest military figures of their age,—victor and vanquished of Waterloo.

Price List of Rochambeau *and* Lady Wellesley *

	Per Dozen
Tea Spoons, Small	$22 50
Tea Spoons, Regular	27.00
Tea Spoons, Medium	31 50
Tea Spoons, Heavy	39.00
Dessert Spoons, Regular	54.00
Dessert Spoons, Medium	60.00
Table Spoons, Regular	70 50
Table Spoons, Medium	78.00
Soup Spoons, Round Bowls	63.00
Dessert Forks, Regular	54.00
Dessert Forks, Medium	60.00
Dinner Forks, Regular	70.50
Dinner Forks, Medium	78.00
Bouillon Spoons	36.00
Butter Spreaders, Large	39.00
Coffee Spoons, Large	18.00
Ice Cream Forks	39.00
Ice Cream Spoons	34.50
Iced Tea Spoons, Small	39.00
Oyster Forks, Large	31.50
Orange Spoons	48.00
Individual Salad Forks, Large	60.00

CUTLERY	Per Dozen
Dessert Knives, Stainless Blades	$57.00
Breakfast Knives, Stainless Blades	63.00
Dinner Knives, Stainless Blades	66.00
FANCY SINGLE PIECES	**Each**
Berry Spoon, Small	10.50
Cold Meat Fork	8.25
Gravy Ladle, Small	9 75
Cream Ladle, Small	4.10
Jelly Server	4.50
Olive Spoon, Short	3 75
Olive Fork, Short	2.65
H.H. Pie Server, Small	6.40
Sugar Spoon, Small	3.75
Sugar Tongs, Small	4.50
Butter Knife, Small	6.00
Tomato Server, Small	6.40
Salad Fork and Spoon	31.50
CARVING SETS (Stainless)	**Per Set**
Steak Set, 2 piece, with Guard	15.00
Game Set, 2 piece, with Guard	30.00
Meat Set, 3 piece, with Guard	45.00

*Be Sure to Give Page Number, Name of Pattern and Name of Piece When Ordering.

MARTHA WASHINGTON
Bright Finish

QUEEN LOUISE
Platinum Finish

Two Delicately Enriched Colonial Patterns in

Solid Sterling Silver

MARTHA WASHINGTON

The meeting of Washington, then a colonel of Colonial troops, with Martha Custis, his future wife, is of particularly romantic interest.

While crossing the Pamunkey River, in May, 1758, in the pursuit of military duties, Colonel Washington was observed from the gardens of the Chamberlayne mansion by a bevy of young ladies, of which Miss Custis was one, and, being invited by Mr. Chamberlayne, stopped there and partook of his hospitality. Thus were brought together the later "first lady and gentleman of the land."

Martha Washington represents to all Americans the ideal of Virginia womanhood, and this sterling silver table ware is a worthy tribute to her qualities, and reflection of her Colonial environment.

QUEEN LOUISE

Auguste Wilhelmine Luise, Queen of Prussia, was the daughter of Prince Charles of Mecklenburg-Strelitz, and was born in Hanover, March 10, 1776.

In 1793 she met at Frankfort the crown prince of Prussia, afterward King William III, who was so affected by her beauty and the nobility of her character, that he asked her to become his wife and they were married on the 24th of December of that year.

As Queen of Prussia, Louise commanded universal respect and affection, and her dignity and unflinching courage under the adversities of Prussia's struggle against Napoleon, are historic.

Price List of Martha Washington *and* Queen Louise *

	Per Dozen
Tea Spoons, Small	$22.50
Tea Spoons, Regular	27.00
Tea Spoons, Medium	31.50
Tea Spoons, Heavy	39.00
Dessert Spoons, Regular	54.00
Dessert Spoons, Medium	60.00
Table Spoons, Regular	70.50
Table Spoons, Medium	78.00
Soup Spoons, Round Bowls	63.00
Dessert Forks, Regular	54.00
Dessert Forks, Medium	60.00
Dinner Forks, Regular	70.50
Dinner Forks, Medium	78.00
Bouillon Spoons	36.00
Butter Spreaders, Small	31.50
Butter Spreaders, Large	39.00
Coffee Spoons, Small	15.75
Coffee Spoons, Large	18.00
Ice Cream Forks	39.00
Ice Cream Spoons	34.50
Iced Tea Spoons, Large	48.00
Oyster Forks, Small	25.50
Pastry Forks	57.00
Individual Salad Forks, Small	48.00
Individual Salad Forks, Large	57.00

CUTLERY	Per Dozen
Dessert Knives, Stainless Blades	$57.00
Breakfast Knives, Stainless Blades	51.00
Dinner Knives, Stainless Blades	66.00

FANCY SINGLE PIECES	Each
Berry Spoon, Small	10.50
Cold Meat Fork, Small	4.90
Gravy Ladle, Small	9.75
Cream Ladle, Small	3.75
Jelly Server, Large	4.50
Olive Spoon, Short	3.75
Olive Fork, Short	2.65
H.H. Pie Server, Small	6.40
Sugar Spoon, Small	3.75
Sugar Tongs, Small	4.50
Butter Knife, Small	5.25
Tomato Server, Small	6.40
Salad Fork and Spoon	19.50

CARVING SETS (Stainless)	Per Set
Steak Set, 2 piece, with Guard	12.75
Game Set, 2 piece, with Guard	25.50
Meat Set, 3 piece, with Guard	37.50

*Be Sure to Give Page Number, Name of Pattern and Name of Piece When Ordering.

MARYLAND PATTERN

Sterling Silver Flatware
925/1000 Fine
Bright Polished

A true Colonial pattern of good substantial weight, graceful in outline and exquisite in design.

Staple Dozens

		Per Dozen
H5049.	Tea Spoons, Light	$24.80
H5050.	Tea Spoons, Medium	28.50
H5051.	Tea Spoons, Heavy	28.80
H5052.	Dessert Spoons, Medium	46.00
H5053.	Table Spoons, Medium	69.50
H5054.	Table Spoons, Heavy	76.50
H5055.	Soup Spoons, Round Bowl	54.70
H5056.	Dessert Forks, Medium	46.00
H5057.	Dessert Forks, Heavy	54.00
H5058.	Table Forks, Medium	57.40
H5059.	Table Forks, Heavy	72.00
H5060.	Dessert Knives, H. H.	55.50
H5061.	Dinner Knives, H. H.	63.40

All Knives Stainless Steel Blades Unless Otherwise Specified

Fancy Dozens

		Per Dozen
H5062.	Bouillon Spoons	$28.70
H5063.	Butter Spreaders, F. H.	35.20
H5064.	Coffee Spoons (Demi Tasse)	15.80
H5065.	Five o'Clock Tea Spoons	30.90
H5066.	Fruit Knives, H. H.	48.00
H5067.	Ice Cream Forks	37.50
H5068.	Ice Cream Spoons	37.50
H5069.	Iced Tea Spoons	43.20
H5070.	Orange Spoons	36.00
H5071.	Oyster Forks	23.80
H5072.	Salad Forks, Ind.	43.20
H5073.	Salt Spoons, Ind.	9.70
H5074.	Sherbet Spoons (P. M. Spoons)	21.60

Set

		Per Set
H5075.	Baby Sets, Fork and Spoon,	$ 5.00
H5076.	Baby Sets, Fork, Spoon and H. H. Knife	8.60
H5077.	Childs Sets, Fork, Spoon and H. H. Knife	10.80
H5078.	Salad Sets, O. W. Fork and Spoon, H. H.	11.20

Carving Sets †

Stainless Steel Blades and Tines.

		Per Set
H5079.	Meat, Three-Piece, Sterling Guards	$35.00
H5080.	Meat, Three-Piece, No Guards	34.00
H5081.	Game, Two-Piece, Sterling Guards	26.20
H5082.	Game, Two Piece, No Guards.	23.00
H5083.	Steak, Two-Piece, Sterling Guards	12.30
H5084.	Steak, Two Piece, No Guards	10.00
H5085.	Chop Set, Two-Piece, No Guards	10.80

†Price of Knife, Fork or Steel the Same

Fancy Single Pieces

		Each
H5086.	Almond Spoons	$ 3.00
H5087.	Baby Forks	2.50
H5088.	Baby Knives, H. H.	3.60
H5089.	Baby Spoons, Bent Handle	3.20
H5090.	Bab. Sp. and Straight Handle	2.50
H5091.	Berr. Spoons Large	10.50
H5092.	Butter Knives	5.80
H5093.	Cake Servers, H. H.	6.10
H5094.	Cheese Servers, H. H.	4.20
H5095.	Cold Meat Forks, Large	9.40
H5096.	Cream Ladles, Large	6.70
H5097.	Cucumber Servers	9.40
H5098.	Game Shears	19.40
H5099.	Gravy Ladles	8.00
H5100.	Ice Cream Servers, H. H.	10.80
H5101.	Jelly Servers	2.80
H5102.	Lemon Forks	3.20
H5103.	Olive Forks	3.20
H5104.	Olive Spoons	3.20
H5105.	Pickle Forks	4.00
H5106.	Pie Servers, H. H.	7.80
H5107.	Preserve Spoons	9.70
H5108.	Sugar Spoons	3.20
H5109.	Sugar Tongs	5.00
H5110.	Tomato Servers	9.60

Ind. Salad Fork

Tea Spoon

Table Fork

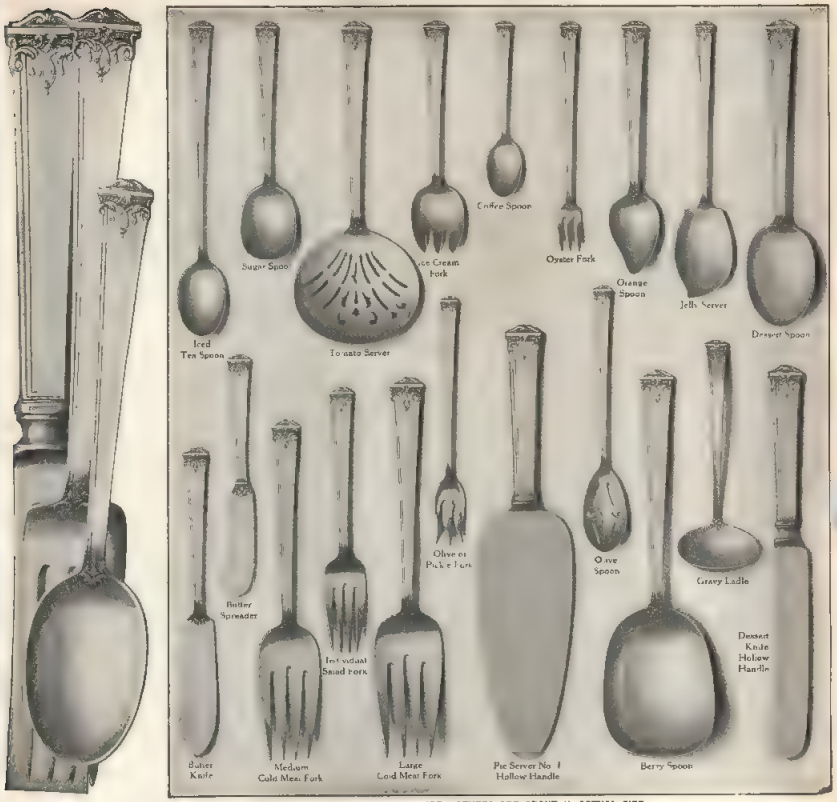
Note: Knives Furnished with French Blades Same in Price.

Table Knife Scimiter Blade

See Inside Back Cover for Engraving Styles.

THE TRIANON PATTERN IN STERLING SILVER

Platinum Finish. Guaranteed 925/1000 Fine

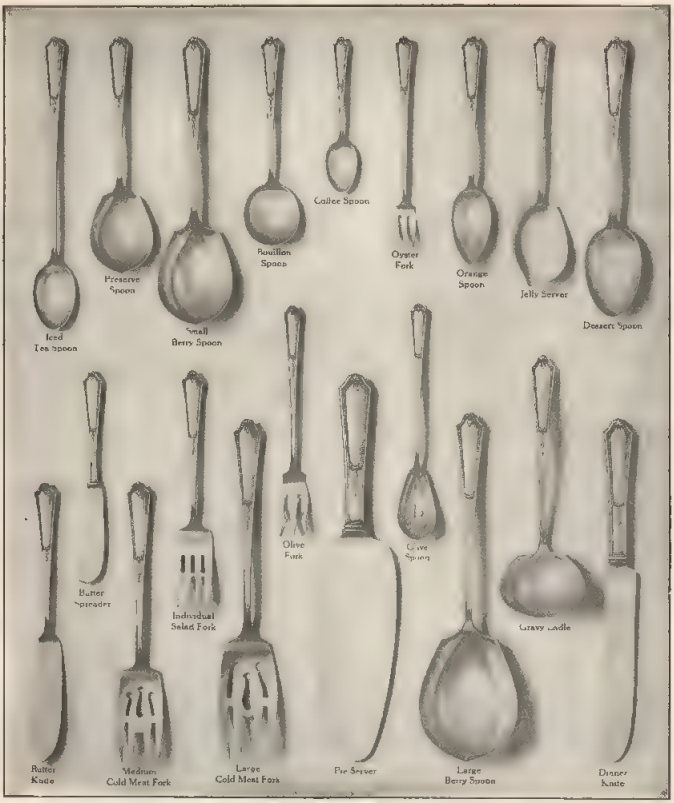


KNIFE, FORK AND TEA SPOON ARE ACTUAL SIZE. OTHERS ARE ABOUT ½ ACTUAL SIZE

H4734.	Tea Spoons, medium weight	Dozen	$27.00
H4735.	Tea Spoons, Heavy Weight	Dozen	34.80
H4736.	Tea Spoons, Extra Heavy	Dozen	40.80
H4737.	Dessert Spoons, Medium Weight	Dozen	57.00
H4738.	Dessert Spoons, Heavy Weight	Dozen	67.80
H4739.	Table Spoons, Medium Weight	Dozen	84.00
H4740.	Table Spoons, Heavy Weight	Dozen	97.80
H4741.	Dessert Forks, Medium Weight	Dozen	63.00
H4742.	Dessert Forks, Heavy Weight	Dozen	70.80
H4743.	Dessert Knives, Hollow Handle, Plated Blades	Dozen	64.80
H4744.	Dessert Knives, Hollow Handle, Stainless Steel Blades	Dozen	94.80
H4745.	Dinner Forks, Medium Weight	Dozen	78.00
H4746.	Dinner Forks, Heavy Weight	Dozen	91.80
H4747.	Dinner Knives, Hollow Handle, Plated Blades	Dozen	72.00
H4748.	Dinner Knives, Hollow Handle, Stainless Steel Blades	Dozen	72.00
H4749.	Bouillon Spoons	Dozen	40.80
H4750.	Butter Spreaders	Dozen	45.00
H4751.	Coffee Spoons	Dozen	18.00
H4752.	Ice Cream Forks	Dozen	48.00
H4763.	Iced Tea Spoons	Dozen	32.50
H4754.	Orange Spoons	Dozen	48.00
H4755.	Oyster Forks	Dozen	30.00
H4756.	Salad Forks, Individual	Dozen	$68.00
H4757.	Salad Spoons, Individual	Dozen	75.00
H4758.	Soup Spoons, round bowl	Dozen	67.50
H4759.	Jelly Server, small	Each	12.00
H4760.	Berry Spoon, large	Each	15.00
H4761.	Pie Server	Each	4.50
H4762.	Butter Knife	Each	8.00
H4763.	Cold Meat Fork, Medium	Each	8.00
H4764.	Cold Meat Fork, large	Each	14.00
H4765.	Cream Ladle	Each	4.50
H4766.	Gravy Ladle	Each	10.50
H4767.	Salad Server	Each	4.50
H4768.	Mayonnaise Ladle	Each	4.50
H4769.	Olive Spoon	Each	4.15
H4770.	Olive Spoon, hollow handle	Each	5.15
H4771.	Pie Server, hollow handle	Each	14.00
H4772.	Salad Fork	Each	14.00
H4773.	Salad Spoon, small	Each	12.00
H4774.	Sugar Shell	Each	4.50
H4775.	Sugar Tong	Each	6.50
H4776.	Tomato Server	Each	11.00
H4777.	Carving Set (3 pieces) with guard	Set	46.00
H4778.	Steak Set (2 pieces) with guard	Set	15.00

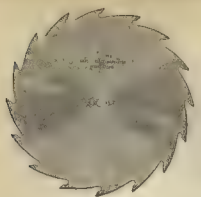
AN UNUSUALLY GRACEFUL PATTERN—THE GEORGIAN MAID

Sterling Silver, Platinum Finish. Guaranteed 925/1000 Fine



KNIFE, FORK AND TEA SPOON ARE ACTUAL SIZE. OTHERS ARE ABOUT ½ ACTUAL SIZE

No.			
H4770	Tea Spoons, 6 o'clock	Per Dozen,	$22.50
H4780	Tea Spoons trade	Per Dozen,	28.50
H4781	Tea Spoons regular	Per Dozen,	31.50
H4782	Tea Spoons heavy	Per Dozen,	37.50
H4783	Dessert Spoons trade	Per Dozen,	45.00
H4784	Dessert Spoons regular	Per Dozen,	52.50
H4788	Table Spoons trade	Per Dozen,	63.00
H4786	Table Spoons regular	Per Dozen,	72.00
H4787	Soup Spoons trade	Per Dozen,	37.50
H4788	Dessert Forks trade	Per Dozen,	51.00
H4789	Dessert Forks regular	Per Dozen,	60.00
H4790	Dessert Knives H. H Stainless Blade	Per Dozen,	66.50
H4791	Dinner Forks trade	Per Dozen,	57.00
H4792	Dinner Forks regular	Per Dozen,	66.00
H4793	Dinner Knives H. H Stainless Blade	Per Dozen,	70.50
H4794	Bouillon Spoons	Per Dozen,	34.50
H4795	Butter Spreaders	Per Dozen,	27.50
H4796	Coffee Spoons	Per Dozen	18.00
H4797	Fried Fish Knife H. H.	Per Dozen	90.00
H4798	Ice Cream Forks	Per Dozen	45.00
H4799	Ice Tea Spoons	Per Dozen	49.50
H4800	Orange Spoons	Per Dozen,	48.00
H4801	Oyster Forks	Per Dozen,	26.40
H4802	Salad Forks, individual	Per Dozen,	52.00
H4803	Berry Spoon large	Each	$12.00
H4804	Berry Spoon small	Each,	10.00
H4805	Butter Knife	Each,	6.00
H4806	Cake Server H. H.	Each,	8.75
H4807	Cheese Server, H. H.	Each,	4.50
H4808	Cold Meat Fork large	Each,	9.75
H4809	Cold Meat Fork, small	Each,	6.75
H4810	Cream Ladle	Each,	6.25
H4811	Egg Server H. H.	Each,	7.50
H4812	Gravy Ladle	Each,	8.25
H4813	Jelly Server	Each,	4.75
H4814	Mayonnaise Ladle	Each,	3.75
H4815	Olive Fork short	Each,	3.75
H4816	Olive Spoon short	Each,	3.75
H4817	Pie Server, H. H.	Each,	8.25
H4818	Poultry Shears, H. H.	Each,	$2.50
H4819	Salad Fork	Each,	11.25
H4820	Salad Spoon	Each,	10.50
H4821	Sugar Spoon	Each,	3.75
H4822	Sugar Tongs	Each,	3.75
	CARVING SETS		
H4823	Meat Set, 3 pc., with guards	Per Set,	$42.00
H4824	Game Set 2 pc., with guards	Per Set,	24.75
H4825	Steak Set, 2 pc. with guards	Per Set,	13.50



CIRCULAR SAWS

✣DISSTON ..... All sizes
F. O. B. Pennsylvania or Ohio Factories.

✣ATKINS' SILVER STEEL ..... All sizes
F. O. B. Indiana Factory.

✣SIMONDS ..... All sizes
F. O. B. Illinois Factory.

✣HOE ..... All sizes
F. O. B. New York Factory.

Prices on Application.

INSTRUCTIONS FOR ORDERING CIRCULAR SAWS

The following information must be given—

1—Rip or Cross Cut.
2—Right or left Hand.
3—Diameter.
4—Thickness or Gauge at Rim and at Center.
5—Number of Teeth.
6—Kind of Teeth.
7—Size of Mandrel Hole.
8—Size of Pin Holes.
9—Distance between Holes from Center to Center.
10—Number of Revolutions Per Minute.
11—Greatest Feed at each Revolution, in inches.
12—Kind of Lumber to be Sawed.
13—Spring Set or Swaged.

Extra Charges For Special Saws.

All saws under 6 inches in diameter take list of 6 inch saws.

All saws filed and set ready for use.

All saws of odd diameter take list of next larger size.

No extra charge for saws one gauge thicker than list.

No extra charge for saws one to three gauges thiner than list; when more than three gauges thinner add 5% for each gauge more than three.

Saws 48 inches and under, and 62 inches and over in diameter more than two gauges thinner than list not warranted.

Saws 50 to 60 inches in diameter thinner than 10 gauge not warranted.

Saws 42 inches or less in diameter beveled one gauge without extra charge; 44 inches or larger beveled two gauges without extra charge.

Saws hollow or concave ground add for each additional gauge hollow or concave ground double the list for beveling.

Saws for cutting bone, horn or ivory, add 50% to the above list. When these saws are hollow or bevel ground the 50% advance is to apply only on the list of straight saws and not on extras for hollow or bevel grinding.

✣F. O. B. Factory Only.

Stubbs English Standard Gauge used in manufacturing these saws.

Diam. inches	Thickness Gauge	Size of Holes Inches	Weight Each, Pounds	Price Each	Extra for Each Ga. Heavier	Beveling New Saws Per Gauge
1	24	¾	.....	✣$3 30	✣$0 07	✣$0 25
1½	24	⅝	.....	✣3 30	✣07	✣25
2	23	⅝	.....	✣3 30	✣07	✣25
2½	22	⅝	.....	✣3 30	✣07	✣25
3	21	⅝	¾	✣3 30	✣07	✣25
3½	20	1	1	✣3 30	✣07	✣25
4	19	1	1	✣3 30	✣07	✣25
5	19	1	1	✣3 30	✣07	✣25
6	18	1	1	✣3 30	✣07	✣25
7	18	1	1¼	✣4 40	✣10	✣35
8	18	1	1½	✣4 40	✣10	✣35
9	17	1	2½	✣5 60	✣20	✣45
10	16	1	2¾	✣5 60	✣20	✣45
11	16	1	5	✣7 00	✣30	✣55
12	15	1	6	✣7 00	✣30	✣55
14	14	1¼	8	✣8 50	✣40	✣65
16	14	1½	10	✣10 50	✣50	✣75
18	13	1¼	12	✣12 50	✣60	✣90
20	13	1 1/16	15	✣15 00	✣ 75	✣1 05
22	12	1 1/16	18	✣17 50	✣ 90	✣1 20
24	11	1⅝	24	✣20 50	✣1 05	✣1 35
26	11	1⅝	28	✣24 00	✣1 25	✣1 55
28	10	1½	35	✣28 00	✣1 50	✣1 75
30	10	1½	40	✣32 00	✣1 75	✣1 95
32	10	1⅝	55	✣36 50	✣2 00	✣2 15
34	9	1⅝	70	✣41 00	✣2 35	✣2 35
36	9	1⅝	76	✣47 00	✣2 60	✣2 55
38	9	1⅝	90	✣54 00	✣3 00	✣2 75
40	9	2	95	✣ 62 00	✣3 40	✣2 95
42	8	2	105	✣ 71 00	✣3 80	✣3 25
44	8	2	120	✣ 83 00	✣4 40	✣3 55
46	8	2	145	✣ 98 00	✣5 15	✣3 85
48	8	2	150	✣112 00	✣5 90	✣4 15
50	7	2	155	✣127 00	✣6 65	✣4 45
52	7	2	175	✣142 00	✣7 40	✣4 80
54	7	2	190	✣157 00	✣8 80	✣5 15
56	7	2	200	✣180 00	✣10 25	✣5 50
58	7	2	225	✣200 00	✣11 75	✣5 95
60	6	2	245	✣221 00	✣13 25	✣6 50
62	6	2	250	✣250 00	✣14 75	✣6 85
64	6	2	260	✣280 00	✣17 60	✣7 25
66	6	2	280	✣310 00	✣22 00	✣7 85
68	5	2	320	✣350 00	✣26 40	✣8 45
70	5	2	335	✣400 00	✣30 80	✣ 9 05
72	5	2	350	✣450 00	✣35 20	✣ 9 65
74	5	2	365	✣510 00	✣39 60	✣10 30
76	5	2	380	✣575 00	✣44 00	✣11 00
78	5	2	400	✣690 00	✣49 85	✣11 85
80	5	2	420	✣810 00	✣55 75	✣12 90
82	5	2	440	✣910 00	✣62 05	✣14 10
84	5	2	460	✣1075 00	✣70 40	✣15 40

CIRCULAR SAWS

INSERTED TOOTH

+HOE—All Sizes
F. O. B. New York Factory.

+SIMONDS—All Sizes
F. O. B. Illinois Factory.

+DISSTON—All Sizes
F. O. B. Pennsylvania Factory.

ATKINS SILVER STEEL—All Sizes
F. O. B. Indiana Factory.

Prices on Application.

INSTRUCTIONS FOR ORDERING CIRCULAR SAWS

The following information must be given:—

1—Rip or Cross Cut.
2—Right or Left Hand.
3 Diameter.
4—Thickness or Gauge at Rim.
5—Number of Teeth.
6—Kind of Tooth.
7 Size of Mandrel Hole.
8 Size of Pin Holes.
9—Distance between Holes from Center to Center.
10—Number of Revolutions Per Minute.
11 Greatest Feed at each Revolution, in inches.
12—Kind of Lumber to be Sawed.

Regular saws 40 inches and over have 2 inch mandrel hole, ⅝ tug pin holes three inches from center to center. If wanted different, please pull pattern of holes.

In reordering bits and holders specify style wanted. Number and gauges clearly stamped on each bit and holder. Otherwise send samples.

One extra set of teeth or bits given with each saw. Also two holders or shanks with saws 40 inches in diameter and under and three with saws over 40 inches in diameter. One wrench given with saw or set of saws.

No extra charge for saws one gauge thicker than list.

No extra charge for saws one or two gauges thinner than list, when more than two gauges hinner, add 5 per cent to list for each gauge.

Diam. Ins	Gauge at Rim, Disston, Atkins and Hoe	Gauge at Rim, Simonds.	Standard Number of Teeth No. 2½	Greatest Number of Teeth that can be put in a Saw No. 2½	Standard Number of Teeth No. 3	Greatest Number of Teeth that can be put in a Saw Nos. 3 and 30	Size Hole, Ins	Price Each, Disston No. 6, Atkins, Hoe and Simonds No. 2½.	Price Each, Disston No. 33, Atkins Nos. 3 and 30, Hoe Nos. 3, Simonds Nos. 3, 4 & 5.	Extra for Each, Additional Gauge Heavier	Price for Beveling New Saws, per Gauge
10	12	10	10	10	--	--	1	+$27 00	------	+$0 60	+$0 45
12	11	11	12	12	--	--	1	+ 32 00	------	+ 80	+ 55
14	10	11	14	14	--	--	1¼	+ 37 00	------	+ 40	+ 65
16	10	11	16	16	12	12	1¼	+ 43 00	+$39 00	+ 50	+ 75
18	10	11	18	20	14	14	1¼	+ 49 00	+ 44 00	+ 60	+ 90
20	9	10	20	22	14	16	1¼	+ 55 00	+ 50 00	+ 75	+ 1 05
22	9	10	22	24	16	18	1¼	+ 61 00	+ 56 00	+ 90	+ 1 20
24	9	10	24	26	18	18	1⅜	+ 68 00	+ 62 00	+ 1 05	+ 1 35
26	9	9	26	28	18	20	1⅜	+ 75 00	+ 68 00	+ 1 25	+ 1 55
28	9	9	28	30	18	22	1⅜	+ 82 00	+ 74 00	+ 1 50	+ 1 75
30	9	9	30	32	20	24	1½	+ 90 00	+ 80 00	+ 1 75	+ 1 95
32	8	8	32	34	22	26	1⅝	+100 00	+ 88 00	+ 2 00	+ 2 15
34	8	8	36	36	22	28	1⅝	+110 00	+ 97 00	+ 2 25	+ 2 35
36	8	8	38	38	24	30	1⅝	+120 00	+106 00	+ 2 60	+ 2 55
38	8	8	40	42	24	32	1⅝	+130 00	+115 00	+ 3 00	+ 2 75
40	8	7	42	44	26	34	2	+140 00	+125 00	+ 3 40	+ 2 95
42	8	7	44	46	28	36	2	+150 00	+137 00	+ 3 80	+ 3 25
44	8	7	46	50	30	38	2	+165 00	+150 00	+ 4 40	+ 3 55
46	8	7	48	52	32	40	2	+180 00	+165 00	+ 5 15	+ 3 85
48	8	7	50	54	34	42	2	+200 00	+180 00	+ 5 90	+ 4 15
50	8	6	52	56	36	44	2	+220 00	+200 00	+ 6 60	+ 4 45
52	7	6	56	60	38	44	2	+245 00	+220 00	+ 7 40	+ 4 80
54	7	6	58	62	40	46	2	+275 00	+250 00	+ 8 80	+ 5 15
56	7	6	60	64	42	48	2	+310 00	+280 00	+10 25	+ 5 50
58	7	5	62	66	44	50	2	+350 00	+310 00	+11 75	+ 5 95
60	7	5	64	70	46	52	2	+375 00	+350 00	+13 25	+ 6 40
62	6	5	66	74	48	54	2	+420 00	+380 00	+14 75	+ 6 85
64	6	5	68	76	48	56	2	+470 00	+425 00	+17 60	+ 7 35
66	6	4	72	78	50	58	2	+520 00	+470 00	+22 00	+ 7 85
68	6	4	76	80	52	60	2	+575 00	+520 00	+26 40	+ 8 45
70	6	4	78	82	54	62	2	+630 00	+570 00	+30 80	+ 9 05
72	6	4	80	84	56	64	2	+685 00	+620 00	+35 20	+ 9 65

Nos. 6 and 33—Extra Saw Points for Disston Saws
Nos. 2½, 3 and 30—Extra Saw Points for Atkin Saws
Nos. 2½ and 3—Extra Saw Points for Simonds Saws
No. 4—Extra Saw Points for Simonds Saws

Prices on Application.

Nos. 6 and 33—Extra Holders for Disston Saws
Nos. 2½, 3 and 30—Extra Holders for Atkins Saws
Nos. 2½ and 3—Extra Holders for Simonds Saws
No. 4—Extra Holders for Simonds Saws

Prices on Application.

+Disston Saws, Points and Holders, F. O. B. Pennsylvania Factory Only.
+Atkins Saws, Points and Holders, F. O. B. Indiana Factory Only.
+Simonds Saws, Points and Holders, F. O. B. Illinois Factory Only.
+Hoe Saws, F. O. B. New York Factory Only.

CROSS CUT SAWS

SIMONDS

No. 13—Champion Tooth

Crescent Ground, Two Cutting Teeth to One Raker Tooth, 14 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends, 19 Gauge at Center of Back Edge.

Length, Feet	5	5½	6	6½
Width at Center, Inches	6⅞	7	7⅛	7½
Weight Each, Lbs.	5¼	6¼	7½	8½
Each, without Handles.	$9 00	10 00	11.50	13 00

No. 22—Perforated Lance Tooth

Crescent Ground, 14 Gauge at Tooth Edge, 19 Gauge at Center of Back Edge.

Length, Feet	5	5½	6	6½
Width at Center, Inches	6⅞	7	7⅛	7½
Weight Each, Lbs.	5¼	6¼	7½	8½
Each, without Handles.	$9 00	10 00	11 50	13 00

No. 200—Champion Tooth

Taper Ground, Two Cutting Teeth to One Raker Tooth, 5 Gauges thinner at Back than at Tooth Edge

Length, Feet	5	5½	6	6½
Width at Center, Inches	5⅝	5¾	5⅞	6¼
Weight Each, Lbs	4¾	5	6¼	7¼
Each, without Handles.	$6 60	7 20	7.80	8 60

SIMONDS FELLING

No. 113—Champion Tooth

Crescent Ground, Medium Wide Hollow Back, Two Cutting Teeth to One Raker Tooth, 14 Gauge at Tooth Edge, 19 Gauge at Center of Back Edge.

Length, Feet	5	5½	6
Width at Center, Inches	5⅛	5½	5¾
Weight Each, Lbs.	5	5¼	5½
Each, without Handles...	$9 00	10 00	11 50

No. 323—Perforated Lance Tooth

Crescent Ground, Four Cutting Teeth to One Raker.

Length, Feet	4½	5	5½	6	6½
Width at Center, Inches	5	5⅛	5⅜	5⅝	6¼
Weight Each, Lbs.	3¼	4¼	5	6¼	7¼
Each, without Handles.	$7.75	8 60	9.60	11.20	13.00

SIMONDS NARROW FELLING

No. 315—Champion Tooth

Crucible Steel, Oil Tempered, Crescent Ground.

Length, Feet	4½	5	5½	6	6½
Width at Center, Inches	3½	3½	3½	3½	3½
Weight Each, Lbs.	4	4⅝	5	5½	6
Each, without Handles.	$8.00	9.00	10.00	11.50	13.00

CROSS CUT SAWS

DISSTON

No. 2—Champion Tooth

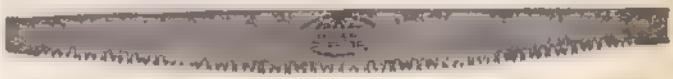
Crucible Steel, 2 Gauges thinner on Back than on Tooth Edge.

Length, Feet	4	4½	5	5½	6	6½
Width at Center, In	6½	6⅝	7	7¼	7½	7¾
Weight Each, Lbs.	4	4½	5¼	6¼	7½	8½
Each, without Handles	$4 20	4 75	5 25	5 80	6 30	6.85

No. 2—Tenon Tooth

Crucible Steel, 2 Gauges thinner on Back than on Tooth Edge.

Length, Feet	4	4½	5	5½	6	6½
Width at Center, In.	6¼	6½	6¾	7	7¼	7½
Weight Each, Lbs.	3¾	4¼	5	6	7	8
Each, without Handles	$4 20	4 75	5 25	5 80	6 30	6 85



No. 2—Tuttle Tooth

Crucible Steel, 2 Gauges thinner on Back than on Tooth Edge.

Length, Feet	4	4½	5	5½	6	6½
Width at Center, In.	6⅛	6⅜	6⅝	6⅞	7⅛	7⅜
Weight Each, Lbs.	3¾	4¼	5	6	7	8
Each, without Handles	$4.20	4 75	5.25	5.80	6.30	6.85

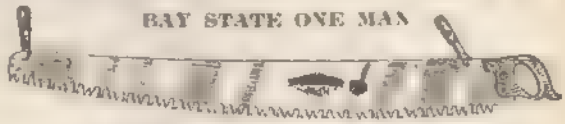
BAY STATE NARROW

No. 210—Champion Tooth

Crucible Steel, Hollow Ground

Length, Feet	4½	5	5½	6	6½
Width at Center, In.	3½	3½	3½	3½	3½
Weight Each, Lbs.	4	4½	5	5½	6
Each, without Handles.	$2.75	3 00	3 35	3 75	4 00

BAY STATE ONE MAN



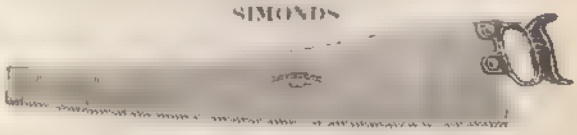
No. 231—Champion Tooth

Crucible Steel, Straight Ground.

Length, Feet	3	3½	4
Weight Each, Lbs	3½	4	5
Each, with Handles	$3 25	3 80	4 40
Length, Feet	4½	5	5½
Weight Each, Lbs	5¾	6	6½
Each, with Handles	$4 80	5 40	6 00

DOCKING OR FRAMING SAWS

SIMONDS



With Malleable Iron Handle

Crucible Steel, Full Breasted Blade, Bevel Filed Teeth, Taper Ground Clearance. Per Dozen

No. 348—30 in. Long, 18 Gauge on Cutting Edge, 4½ Points to the Inch, Weight Per Dozen 40 Lbs. $48.00

One-Third Dozen in a Box.

HAND, RIP AND PANEL SAWS

DISSTON

No. 12—Straight Back

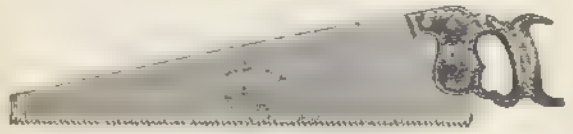
Extra Refined London Spring Steel, Patent Ground and Tempered, Highly Polished, Carved and Polished Applewood Handle, Brass Screws, 3 Screws in 18 to 22 in. and 4 Screws in 24 to 28 in. Saws.

	Panel	Panel
Length, Inches	20	22
Points to Inch	9, 10, 11	8, 9, 10, 11, 12
Weight Per Dozen, Lbs.	18	20
Per Dozen	$48.50	53.00

	Panel	Hand
Length, Inches	24	26
Points to Inch	8, 9, 10, 11, 12	7, 8, 9, 10, 11
Weight Per Dozen, Lbs.	22	26
Per Dozen	$57.50	61 50

	Rip	Rip	Rip
Length, Inches	22	24	26
Points to Inch	6	6	5 5½ 6
Weight Per Dozen, Lbs.	18	21	26
Per Dozen	$53 00	57 50	61 50

One third Dozen in a Box



No. 12S—Narrow, Straight Back

Ship Pattern, 6½ in. Wide at Butt, 1⅛ in. Wide at Point, Extra Refined London Spring Steel, Patent Ground and Tempered, Highly Polished, Carved and Polished Applewood Handle, Brass Screws.

	Panel	Panel	Panel
Length, Inches	20	22	24
Points to Inch	9, 10, 11	8, 9, 10, 11, 12	8, 9, 10, 11, 12
Wt. Dozen, Lbs.	17	19	21
Per Dozen	$48.50	53.00	57.50

	Hand	Rip	Rip	Rip
Length, Inches	26	22	24	26
Points to Inch	7, 8, 9, 10, 11, 12	6	6	5, 5½, 6
Wt. Dozen, Lbs.	23	19	21	23
Per Dozen	$61.50	53.00	57.50	61.50

One-third Dozen in a Box.

No. 16—Straight Back

Refined Crucible Steel, Patent Ground and Tempered. Full Polished, Carved and Polished Applewood Handle, 4 Brass Screws.

	Panel	Panel	Panel	Hand
Length, Inches	20	22	24	26
Points to Inch	9, 10, 11	8, 9, 10, 11	8, 9, 10, 11	7, 8, 9, 10
Wt. Dozen, Lbs.	19	21	23	26
Per Dozen	$49 00	42.00	45.00	47 20

	Rip	Rip	Rip
Length, Inches	22	24	26
Points to Inch	6	6	5 5½, 6
Weight Dozen, Lbs.	21	23	26
Per Dozen	$42 00	45 00	47 20

One-third Dozen in a Box.

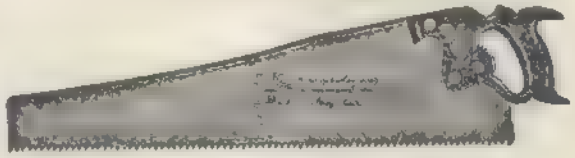
DISSTON

No. D15—Straight Back

Extra Refined London Spring Steel, Patent Ground and Tempered, Highly Polished, Carved and Polished Rosewood Handle, Nickel Plated Screws.

	Hand
Length, Inches	26
Points to Inch	8, 9, 10, 11
Weight Per Dozen, Lbs.	27
Per Dozen	$80 00

One-third Dozen in a Box

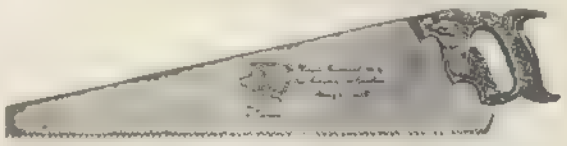


No. D8—Skew Back

Refined Crucible Steel, Patent Ground and Tempered. Highly Polished, Applewood Handle, Full Polished, 5 Brass Screws.

	Hand	Rip
Length, Inches	26	26
Points to Inch	7, 8, 9, 10, 11	5, 5½, 6
Weight Per Dozen, Lbs.	28	26
Per Dozen	$47.20	47.20

One-third Dozen in a Box.



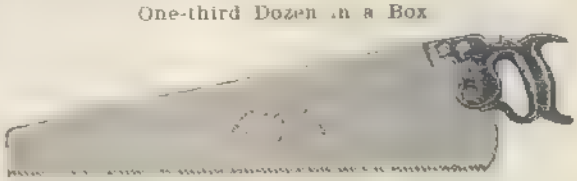
No. D23—Straight Back, Ship Carpenters

6¼ in. Wide at Butt and 1⅝ in. at Point. Suitable for Use where a Narrow Saw is Desired.

Refined Crucible Steel, Patent Ground and Tempered. Highly Polished, Applewood Handle Carved and Polished 5 Brass Screws.

	Hand	Rip
Length, Inches	26	26
Points to Inch	7, 8, 9, 10, 11	5, 5½, 6
Weight Per Dozen, Lbs.	21¾	21¾
Per Dozen	$52.80	52.80

One-third Dozen in a Box



No. 7—Straight Back

Crucible Steel, Patent Ground and Tempered, Grained Blade, Beechwood Handle Polished, 4 Brass Screws. The Original Disston Saw.

	Panel	Panel	Panel
Length, Inches	18	20	22
Points to Inch	9, 10	8, 9, 10	8, 9, 10
Weight Dozen, Lbs.	18	21	23
Per Dozen	$31.50	34.00	37.50

	Panel	Hand	Rip
Length, Inches	24	26	26
Points to Inch	8 9 10	7, 8, 9, 10	5, 5½, 6
Weight Dozen, Lbs.	25	27	27
Per Dozen	$39 50	42 00	42 00

One-third Dozen in a Box

Simple Simon met a pieman
Going to the fair;
Says Simple Simon to the pieman:
"Pray let me taste your ware."

150 line screen halftone, four color process plates

A DIRECT MAILING CARD

Reproduced from Oil Painting by O. K. Van Northwick
Engraved and Printed by MAX LAU COLORTYPE COMPANY, CHICAGO

Courtesy of Singer Sewing Machine Co.

150 Screen Four Color Process Plates

AN EMBROIDERY ILLUSTRATION

Reproduced direct from the embroidery made on Singer Sewing Machine without special attachments

Engraved by C. J. PETERS & SON COMPANY, CAMBRIDGE, MASS.

By D. B. Waters, Esq., after Sir Henry Raeburn

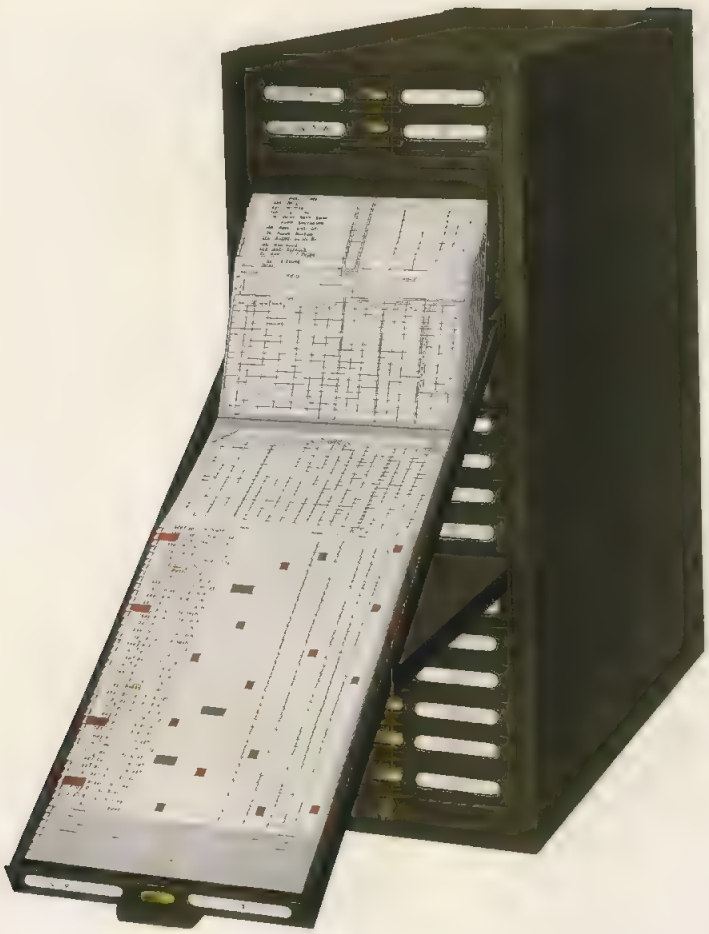
A PANTONE PRINT

on Abbey Mills Greenfield Antique Laid Printing, Grosvenor, Chater & Co.

CATALOG ILLUSTRATION, PRINTED IN THREE COLORS, THREE HALFTONES

CATALOG ILLUSTRATION, PRINTED IN FOUR COLOR PROCESS

Engraved by Hurst Engraving Co., *Printed by* John P. Smith Company, Inc.
Rochester, N.Y.



Courtesy—Rand Kardex Co

CATALOG ILLUSTRATION, PRINTED IN FOUR COLORS, ONE HALFTONE AND THREE ZINC COLOR PLATES

Engraved by Hurst Engraving Co., *Printed by* John P. Smith Company, Inc.
ROCHESTER, N. Y.

REVOLVERS

SMITH & WESSON

MILITARY AND POLICE, MODEL 1902

38 Caliber, Center Fire, Double Action, 6 Shots.

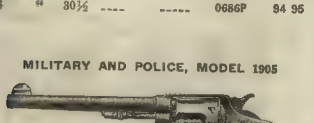
Hand ejection; solid frame; swing out cylinder.

Chambered for 38 S. & W. Special.

Using in the same arm both the 38 S. & W. special and the U. S. Service cartridge (listed as 38 long Colt).

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Wood	28¾	684	$84 45	0684	$84 45
5	"	29½	685	84 45	0685	84 45
6	"	30½	----	------	0686	84 45
4	Pearl	28¾	684P	94 95	0684P	94 95
5	"	29½	685P	94 95	0685P	94 95
6	"	30½	----	------	0686P	94 95

MILITARY AND POLICE, MODEL 1905



Center Fire, Double Action 6 Shot.

Hand ejection; solid frame; swing out cylinder; reinforced stop notches; barrel enlarged and strengthened at breech.

32 CALIBER

Chambered for 32-20 Winchester rifle cartridge.

Barrel ins	Stock	Wt ozs	Nickel Plated Nos.	Each	Blued. Nos.	Each
4	Walnut	30½	624SH	$85 80	0624SH	$85 80
5	"	31¼	625SH	85 80	0625SH	85 80
6	"	32½	626SH	85 80	0626SH	85 80
4	Pearl	30½	624SHP	99 75	0624SHP	99 75
5	"	31¼	625SHP	99 75	0625SHP	99 75
6	"	32½	626SHP	99 75	0626SHP	99 75

38 CALIBER

Chambered for 38 S. & W. Special cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Walnut	29¼	684SH	$85 80	0684SH	$85 80
5	"	30	685SH	85 80	0685SH	85 80
6	"	31	686SH	85 80	0686SH	85 80
4	Pearl	29¼	684SHP	99 75	0684SHP	99 75
5	"	30	685SHP	99 75	0685SHP	99 75
6	"	31	686SHP	99 75	0686SHP	99 75

All above revolvers one in cardboard box.

REVOLVERS

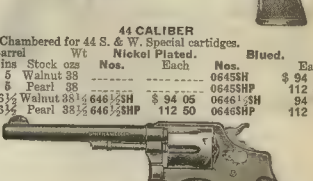
SMITH & WESSON

MILITARY, MODEL 1908

44 CALIBER

Chambered for 44 S. & W. Special cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
5	Walnut	38	-------	----------	0645SH	$ 94 05
5	Pearl	38	-------	----------	0645SHP	112 50
6½	Walnut	38½	646½SH	$ 94 05	0646½SH	94 05
6½	Pearl	38½	646½SHP	112 50	0646½SHP	112 50



WITH NEW PARTRIDGE TARGET SIGHT

Center Fire, Double Action, 6 Shot, Blued.

No. 0626SHTS—32 caliber; 6 in. barrel; chambered for 32-20 Winchester rifle cartridges; wt 32¼ ozs---- Each +$98 40

No. 0686SHTS—38 caliber; 6 in. barrel; chambered for 38 S. & W. special cartridges; wt 31 ozs---- Each 98 40

One in cardboard box.

U. S. ARMY MODEL 1917

45 Caliber, Center Fire, Double Action, 6 Shot.

Hand ejection; solid frame swing out cylinder; barrel enlarged and strengthened at breech; square butt and checkered grip.

Chambered for 45 Colts Automatic cartridges, and 45 Auto rim metal cased. Auto Pistol cartridges, in clips No. 45LC illustrated below.

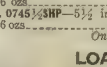
No. 0745½SH—5½ in. barrel; walnut stock; wt each 36 ozs---- Blued. Each $ 94 05

No. 0745½SHP—5½ in. barrel; pearl stock wt each 36 ozs---- Blued. Each 112 50

One in cardboard box.

LOADING CLIPS

SMITH & WESSON



For shooting 45 Colts Automatic Cartridges in Smith & Wesson, 45 caliber, Government Model (1917) Revolvers. No. 0745½SH illustrated above.

	Per 100
No. 45LC—Wt per 100 about 1 lb---- *Packed loose.*	$6 60

+F.O. B. Massachusetts Factory Only.

REVOLVERS

SMITH & WESSON

TARGET, MODEL 1911

22-32 Heavy Frame.

22 Caliber, Rim Fire, 6 Shot.

Hand ejection; solid frame; swing out cylinder; double action; reinforced stop notches.
Chambered for 22 short, 22 long, 22 extra long and 22 long rifle cartridges.

	Each
No. 05226T—Blued; length barrel 6 ins; Circassian walnut stock; square handle; wt each 23 ozs	$87 00

One in cardboard box.

NEW DEPARTURE HAMMERLESS

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection; double action; chambered for 32 S. & W. cartridges.

Barrel, ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
3	Rubber	14	223	$70 50	0223	$70 50
3	Pearl	14	223P	73 05	0223P	73 05
Target Stock, checkered wood						✣ 4 50

One in cardboard box.

38 Caliber, Center Fire, 5 Shot.

Automatic shell ejector; double action; chambered for 38 S. & W. cartridges.

Barrel, ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
3½	Wood	17	283½	$76 50	0283½	$76 50
4	"	17½	284	76 50	0284	76 50
3½	Pearl	17	283½P	82 80	0283½P	82 80
4	"	17½	284P	82 80	0284F	82 80

One in cardboard box.

✣F O. B. Massachusetts Factory Only.

REVOLVERS

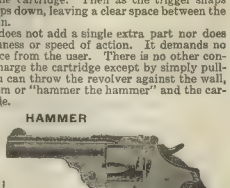
IVER-JOHNSON

The Safety Action—The top of the hammer of an Iver-Johnson revolver rests against the solid frame, so that no conceivable impact could force it against the firing pin.

A lifter, which is a long upright part, fits into the notch in front of the hammer; when the trigger is pulled, this lifter is at its highest point and covers the firing pin and at this relative position the hammer is released, striking the lifter and driving the firing pin into the cartridge. Then as the trigger snaps forward the lifter drops down, leaving a clear space between the hammer and firing pin.

The safety action does not add a single extra part nor does it impair the smoothness or speed of action. It demands no thought or intelligence from the user. There is no other conceivable way to discharge the cartridge except by simply pulling the trigger. You can throw the revolver against the wall, kick it about the room or "hammer the hammer" and the cartridge will not explode.

HAMMER



22 Caliber, Rim Fire, 7 Shot.

Automatic shell ejection, double action, chambered for 22 short cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3	13	3223	$26 40	03223	$26 40
4	13½	3224	✣ 27 15	03224	✣ 27 15
6	15	3226	✣ 28 65	03226	✣ 28 65
		Pearl Stock.			
3	13	3223P	33 00	03223P	33 00
4	13½	3224P	33 75	03224P	33 75
6	15	3226P	✣ 35 25	03226P	✣ 35 25

One in cardboard box.

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.
Chambered for 32 S. & W. cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3	13½	323	$26 40	0323	$26 40
4	14	324	27 15	0324	27 15
5	14½	325	✣ 27 90	0325	✣ 27 90
		Pearl Stock.			
3	13½	323P	33 00	0323P	33 00
4	14	324P	33 75	0324P	33 75
5	14½	325P	34 50	0325P	34 50

One in cardboard box.

38 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.
Chambered for 38 S. & W. cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3½	18	383½	$26 40	0383½	$26 40
4	18½	384	27 15	0384	27 15
5	19	---	---	0385	27 90
6	20	386	✣ 28 65	0386	✣ 28 65
		Pearl Stock.			
3½	18	383½P	33 00	0383½P	33 00
4	18½	384P	33 75	0384P	33 75
5	19	---	---	0385P	34 50
6	20	386P	✣ 35 25	0386P	✣ 35 25

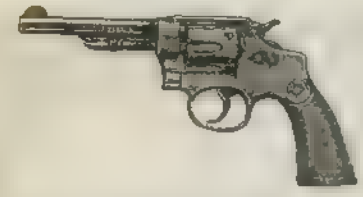
One in cardboard box.

✣F. O. B. Massachusetts Factory Only.

REVOLVERS AND PISTOLS.

EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE.

SMITH & WESSON.



THE "REGULATION POLICE" MODEL.

New Patent Safety Hammer Block.

Double action, solid frame, swing out cylinder, new patent safety hammer block.

The factory decided to put this, their latest model, on the market on account of the repeated requests which they have received from police departments for a light weight arm of this type in .38 calibre, as the heavier revolvers prove quite a burden to an officer by the end of his watch.

Hammer Positively Blocked Against Accidental Discharge.

Square Butt, Checkered Walnut Stock.

32 CALIBRE.

	Net each
NO. 6323½—32 calibre, 3½ in barrel, blued finish, 6 shots, shoots 32 S. & W. long, 32 S. & W. and 32 Colts' New Police cartridges, weight 17½ ozs. List each $30.50	$48.80
NO. 6324½—32 calibre, 4½ in. barrel, blued finish, weight 18 ozs. List each $30.50	48.80
NO. 6326—32 calibre, 6 in. barrel, blued finish, weight 18½ ozs. List each $30.50	48.80

38 CALIBRE.

NO. 6384—38 calibre, 4 in. barrel, blued finish, 5 shots, shoots 38 S. & W., 38 S. & W. Gallery and 38 Colts' New Police cartridges, weight 17½ ozs. List each $30.50	48.80

ONE ONLY IN A BOX.

MILITARY AND POLICE. ROUND BUTT.

New Patent Safety Hammer Block.

Double action, hand ejecting. Solid frame, swing-out cylinder. Six shots, checkered walnut stock.

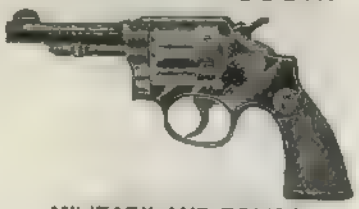
38 SPECIAL CALIBRE.

Shoots 38 S. & W. Special cartridges.

	Net each
NO. 5384—4 in. barrel, blued, weight 29½ ozs. List each $32.00	$51.20
NO. 5385—5 in. barrel, blued, weight 29½ ozs. List each $32.00	51.20
NO. 5386—6 in. barrel, blued, weight 30½ ozs. List each $32.00	51.20

ONE ONLY IN A BOX.

SMITH & WESSON.



MILITARY AND POLICE. SQUARE BUTT.

New Patent Safety Hammer Block.

Double action, hand ejecting. Solid frame, swing-out cylinder. Six shots, checkered walnut stock.

32 WINCHESTER CENTER FIRE.

Shoots 32 Winchester (32 W. C. F. cartridges.

	Net each
NO. 5324—4 in. barrel, blued, weight 30½ ozs. List each $32.50	$52.00
NO. 5325—5 in. barrel, blued, weight 31½ ozs. List each $32.50	52.00
NO. 5326—6 in. barrel, blued, weight 32½ ozs. List each $32.50	52.00

38 SPECIAL CALIBRE.

Shoots 38 S. & W. Special Cartridges.

	Net each
NO. 5384S—4 in. barrel, blued, weight 29½ oz. List each $32.50	$52.00
NO. 5385S—5 in. barrel, blued, weight 30 oz. List each $32.50	52.00
NO. 5386S—6 in. barrel, blued, weight 31 oz. List each $32.50	52.00

ONE ONLY IN A BOX.

22-32 HEAVY FRAME TARGET MODEL.

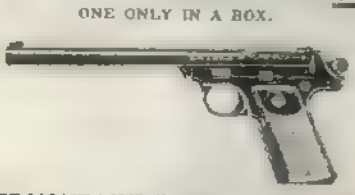
Double action. Solid frame, swing-out cylinder. Six shots, shoots 22 short, 22 Long Rifle, 22 Extra Long and 22 N. R. A. Long Rifle cartridges.

This arm is similar in every way to the .32 Calibre Hand Ejector Model, but is equipped with target sights and target stocks, and is adapted to the more popular ammunition.

22 CALIBRE.

	Net each
NO. 2232T—22 calibre, 32 heavy frame, blued finish, 6 in. barrel, weight 22½ ozs. List each $33.00	$52.80

ONE ONLY IN A BOX.



22 STRAIGHT LINE TARGET, SINGLE SHOT

The barrel of this arm is taper bored, and especially chambered to give maximum accuracy and power. The rifling is the equal land and groove type with a twist of one turn in 15 inches, comes to you in a special pressed steel case with a real cleaning rod and swivel screw driver.

This case is 12 inches long, 6½ inches wide, and 1½ inches thick, beautifully finished inside with the S&W monogram in the cover. It is a case such as all shooters have wanted.

Single action, circassion walnut stock, partridge sight, adjustable, shoots 22 long rifle cartridge.

	Net each
NO. 22SL—22 caliber, blue finish, 10 in barrel, weight 34 ozs. List each $35.00	$56.02

ONE ONLY IN A PRESSED STEEL CASE

SMITH & WESSON.

U. S. ARMY MODEL 1917.

Square Butt.

Double action, solid frame, swing out cylinder, six shot, shoots .45 auto pistol cartridge in clips or .45 Colt Auto-Rim cartridge, without clip, walnut checkered stock.

45 CALIBRE.

	Net each
NO. 455½—45 caliber, blued finish, 5½ in barrel, length over all 10½ in., weight 36 oz. List each $36.75	$58.80

ONE ONLY IN A BOX

MILITARY.

Square Butt.

Double action, solid frame, swing-out cylinder, six shot shoots 44 S. & W. Special cartridge, walnut checkered stock.

44 CALIBRE.

	Net each
NO. 446½—44 calibre, blued finish, 6½ in. barrel, length over all 11½ in., weight 38½ oz. List each $36.75	$58.80

ONE ONLY IN A BOX.

For a dependable line of Washing Machines, we have the Horton.

EXCISE REVENUE TAX INCLUDED IN ALL PRICES ON THIS PAGE.

IVER JOHNSON REVOLVERS.

Two Features Place the Iver Johnson in a Superior Rank — The "Hammer The Hammer" Safety Device, And The Use of Permanent Tension Coil Springs. By The Former The Iver Johnson Becomes The Only Revolver in The World Which is Absolutely And Automatically Safe. The Coil Springs Mean Easier, More Positive Action as Well as Added Years of Efficiency In Comparison With Other Revolvers.

SAFETY HAMMER AUTOMATIC EJECTING.

5 shots, rubber handle, shoots 32 S. & W., cartridges.

	Nickel Plated.	Net each
NO. 3230—32 calibre, 3 in. barrel, weight 13½ ozs.		$15.50
	Blued.	
NO. 3230B—32 calibre, 3 in. barrel, weight 13½ ozs.		15.50

6 shots, rubber handle, shoots 38 S. & W. cartridges.

	Nickel Plated.	Net each
NO. 3830—38 calibre, 3½ in. barrel, weight 18½ ozs.		$15.50

TARGET MODEL.

A New Trap Line and Sport Model.

This model is especially designed for trappers, hunters, campers and target practice. It is constructed throughout of highest grade material, and the action is quick, smooth and positive No outfit is complete without it. Fully guaranteed.

22 caliber, 7 shots, rim fire, 6 inch and 9½ inch barrel, blued finish, hand checkered walnut grips. Takes the 22 short, long and long rifle rim fire cartridges. Net each

NO. IJT6—22 calibre, 6 in. blued barrel . . . List each $7.85 $11.40

NO. IJT9½—22 calibre, 9½ in. blued barrel . . . List each $8.50 12.40

ALL PACKED ONE ONLY IN A BOX.

HARTFORD AUTOMATIC TARGET AND SPORTING PISTOL.

MODEL 1925

The Automatic Pistol herein described is the last word in Automatic pistol design and construction. This pistol has definitely removed every objection heretofore existing in the use of an automatic sporting pistol. It is a light, efficient, accurate and well constructed arm. Simplicity of take-down and re-assembly. Designed to use with a 22 calibre long rifle cartridge. Extremely accurate.

A 10-Shot Automatic Target and Sporting Pistol Using the 22-Caliber Long Rifle Cartridge

Weight 31-oz., length, 10¾ in., barrel, 6¾ in., capacity, 10 shots, grips, black rubber, finish, satin blue, safety, locks the sear positively, sights, open target

Net each

NO. 1925 . . . . . Retail price $22.00 $33.00

ONE ONLY IN A BOX.

Our lines of Fishing Tackle and Sporting Goods, we do not think are equalled by any other jobbers in this section.

SMITH AND WESSON REVOLVERS

New Departure model, hammerless, safety attachment, center fire, rubber stock, double action, center fire.

32 cal. adapted for 32 S. & W.; 38 cal. for 38 S. & W.

32 CALIBER, 5 SHOTS

NICKEL PLATED.

No. C32N—3 **in.** barrel, w't 14¼ oz.....each $47.55

BLUED.

No. C32B—3 **in.** barrel, w't 14⅜ oz.....each $47.55

38 CALIBER, 5 SHOTS

NICKEL PLATED.

No. C38N—3½ **in.** barrel, w't 17 oz.....each $71.55
No. C48N—4 **in.** barrel, w't 17½ oz.....each 71.55

BLUED.

No. C38B—3½ **in.** barrel, w't 17 oz.....each $71.55
No. C48B—4 **in.** barrel, w't 17½ oz.....each 71.55

ONE IN A BOX

Hand ejector, model 1903, jointless frame, simultaneous ejecting, safety hammer block, round handle, rubber stock, double action, center fire.

32 CALIBER, 6 SHOTS

BLUED.

No. C6432—3½ **in.** barrel, w't 17¾ oz.....each $54.20
No. C6632—4½ **in.** barrel, w't 18¼ oz.....each 54.20
No. C6832—6 **in.** barrel, w't 20 oz.....each 54.20

NICKEL PLATED.

No. C6532—3½ **in.** barrel, w't 17¾ oz.....each $51.55
No. C6732—4½ **in.** barrel, w't 18¼ oz.....each 51.55

32 caliber adapted for 32 cal. S. & W. long or short.

ONE IN A BOX

Regulation Police model, new pattern safety hammer block, solid frame, swing-out cylinder, double action, square checkered wood stock, center fire.

32 caliber adapted for 32 S. & W. Long, 32 S. & W. and 32 Colt's New Police.

38 caliber adapted for 38 S. & W., 38 S. & W. Gallery and 38 Colt New Police.

32 CALIBER, 6 SHOTS

NICKEL PLATED.

No. C6532SB—3½ **in.** barrel, w't 17¾ oz....each $54.20
No. C6742SB—4½ **in.** barrel, w't 18¼ oz....each 54.20
No. C6932SB—6 **in.** barrel, w't 20 oz....each 54.20

BLUED.

No. C6432SB—3½ **in.** barrel, w't 17¾ oz....each $54.20
No. C6632SB—4½ **in.** barrel, w't 18¼ oz....each 54.20
No. C6832SB—6 **in.** barrel, w't 20 oz....each 54.20

38 CALIBER, 5 SHOTS

BLUED.

No. C6838SB—4 **in.** barrel, w't 17¾ oz.....each $54.20

NICKEL PLATED.

No. C6338SB—4 **in.** barrel, w't 17¾ oz.....each $54.20

ONE IN A BOX

Military and Police, model 1902, jointless frame center fire, safety hammer block, simultaneous ejecting, round handle, rubber stock, double action.

38 CALIBER, 6 SHOTS

BLUED.

No. C6438—4 **in.** barrel, w't 29 oz.....each $56.90
No. C6638—5 **in.** barrel, w't 30 oz.....each 56.90
No. C6838—6 **in.** barrel, w't 32 oz.....each 56.90

38 caliber adapted for 38 S. & W. Special and 38 long and short Colt's.

ONE IN A BOX

SMITH AND WESSON REVOLVERS

Military and Police, model 1905, jointless frame, simultaneous ejecting, square butt, checkered wood stock, double action, center fire.

32/20 caliber adapted for 32/20 or 32 WCF. 38 caliber adapted for 38 S.&W. Special and 38 long and short Colts cartridges.

32-20 CALIBER, 6 SHOTS

NICKEL PLATED.

No. C6532WSB—4 in. barrel, w't 30¾ oz....each $57 75
No. C6732WSB—5 in. barrel, w't 31¾ oz....each 57.75

BLUED.

No. C6432WSB—4 in. barrel, w't 30¾ oz....each $57.75
No. C6632WSB—5 in. barrel, w't 31¾ oz....each 57.75
No. C6832WSB—6 in. barrel, w't 32¾ oz....each 57.75

38 CALIBER, 6 SHOTS

BLUED.

No. C6438SB—4 in. barrel, w't 29 oz.....each $57.75
No. C6638SB—5 in. barrel, w't 30 oz.....each 57.75
No. C6838SB—6 in. barrel, w't 31¼ oz.....each 57.75
No. C6838SBT—6 in. barrel, fitted with special Patridge sights, w't 31¼ ozs.....each $66.20

NICKEL PLATED.

No. C6538SB—4 in. barrel, w't 29 oz.....each $57.75
No. C6738SB—5 in. barrel, w't 30 oz.....each 57.75

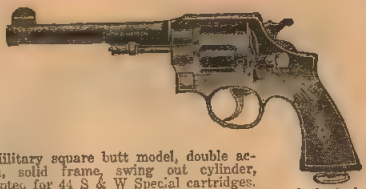
ONE IN A BOX

Model 1911, heavy frame target, hand ejector, jointless frame, simultaneous ejecting, double action.

Use 22 short, long, long rifle and extra long cartridges.

No. C6822SBT—22 cal., short, long, long rifle and extra long cartridges, 6 shots, blued, 6 in. barrel, square checkered wood stock, fitted with S. & W. Patridge target sights, w't 28 oz.....each $58.65

ONE IN A BOX



Military square butt model, double action, solid frame, swing out cylinder, adapted for 44 S & W Special cartridges.

44 caliber, 6 shots, square butt, walnut checked stock with swivel, w't 38½ ozs.

No. C6844SB—6½ in. barrel. **Blued**.....each $65.30
No. C6944SB—6½ in. barrel. **Nickel plated,** each 65.30
No. C6644SB—5 in. barrel. **Blued**..... each $65 30
No. C6844SBT—6½ in. barrel. **Blued.** Fitted with special Patridge sights.....each $74.65

ONE SET IN A BOX

U. S. Army Model 1917, double action, solid frame, swing out cylinder, adapted for the new 45 AUTO-RIM cartridges or regular 45 Automatic Pistol cartridges WITH CLIPS.

No. C6845SB—45 caliber, 6 shots, 5½ in. barrel, blued, walnut checked square butt stock with swivel, w't 36 ozs., each $65.30

ONE IN A BOX

SMITH & WESSON TARGET PISTOLS

Straight Line, Single Shot, Target Pistols

This is an extremely accurate pistol, designed for deliberate shooting. Although it has a 10 in. barrel, it is so designed that the pistol is no longer than a revolver with a 6 in. barrel. Its perfect balance makes steady holding easy.

22 LONG RIFLE CALIBER

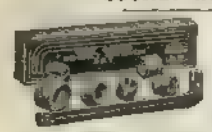
BLUED

No. C9922—10 in. barrel, circassian walnut stocks with monogram, adjustable trigger pull, fitted with ⅞ in. Patridge target sights. W't 34 oz.....each $62.20

Complete in a convenient, pressed steel, carrying case, 12×5½×1½ in., nicely finished in blue with the S & W monogram in the cover, outfit includes a high grade cleaning rod and swivel screw driver.

WRENCH SETS and TOOLS

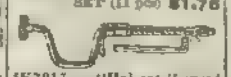
SOCKET WRENCH SETS



4K8184—7 piece set, 6 standard cast iron 6 point sockets, accurately cut, in box. SET 7 pcs **40c**

4K8704—11 piece set, iron drop forged throughout, nickel plated sockets, 6 to ⅞ in., combination T and L nickeled handle, 1 set in steel box. SET (11 pcs) **$1.75**

4K8705—12 piece set, 6 steel sockets, 6 to ⅞ in., offset handle and 1 extension, also ratchet wrench, 1 set in metal box. SET (12 pcs) **85c**



4K7917 "Hel-ser" speed brace, sockets, 1 handle on steel bar with 1 for and 1 under size nuts. Fits every nut and bolt on Fords and Chevrolets. 1 set in carton. Set **$2.65**

4K9186—"Hindale," 34 piece set, 13 hex sockets ⅜ to 1 ¼ in., 8 square sockets ¾ to ⅞ in., special wrench rim wrench, long and short extension rods, brace, 1 plier, ratchet wrench and 1 junction T & L wrench, all nickeled handles and bars, 1 set in box. S. F. 34 pcs, **$7.75**

HANDY TOOL KITS

4K9348 8 piece set, drop forged steel wrenches in tool roll 9 in. S. A. E. rods, in partitioned roll, 1 set to pkg. SET 8 pcs **$1.50**

4K9417 30 piece set, in tool roll, 1 set in pkg. SET (30 pcs) **$3.80**

RIM TOOL

4K9200 Hercules "Universal," screws to fit any regular axle, all can pry, 1 tool adjustment. 1 in pkg., 8 lbs. Each **$1.95**

AUTO ICE BOXES

4K6855—"Monarch," 21 in. high, 12 in. wide, 12 in. high, Brewster green enameled finish, 12 lb. ice compartment, ample space for food and beverages, well insulated, keeps cold for 24 hours, can be fastened to running board (as in cut), 1 in carton. Each **$3.95**

Food containers not included

4K6840—"Duplex," 30 in. long, 8¼ in. wide, 10½ in. high, 12 lb. ice compartment, ample size for food and beverages, well insulated, 1 in box 17 lbs. Each **$4.25**

RUNNING BOARD TRUNKS

4K6850

"De Luxe," 52 in. long, 10 in. wide, 14 in. high, well constructed, black fabric covering, black japanned hardware, fits any running board rail, easily attached and removed, 1 in carton.

4K6849—Tray model, without waterproof top cover ..... Each **$5.95**

4K6850—Suitcase model, with waterproof top cover ..... Each **$8.50**

OILS and CLEANING SUPPLIES

MOTOR OILS

"GLYDOL," highest quality motor oil, unusual life. 5 Gallons in Case

➡4K7911 Light medium Gal **51c**

➡4K7912 Med ium heavy Gal **57c**

➡4K7913 Extra heavy Gal **63c**

15 Gallons in Metal Drum

➡4K7914 Light medium Gal **44c**

➡4K7915 Medium heavy Gal **50c**

➡4K7916—Extra heavy Gal **56c**

➡Shipped F. O. B. factory in New York City

OIL SERVICE OUTFIT

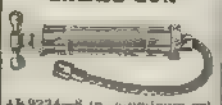
4K8820—20 gauge steel tray black enameled 8 glass jars with spouts, meets all state laws and city ordinances, 3 pcs in carton. Set **$3.95**

GREASES

4K9433 "Whiz" cup grease, 1 lb. in can Lb **18c**

4K9436—"Whiz Gear Lite," high grade transmission grease, 5 lbs. in can Lb **20c**

GREASE GUN



4K9234—8 in. aluminum cylinder, armored hose, 1 in carton Each **$1.95**

Boyce-ite For Treating Gasoline

4K9439—4 oz. can, to be added to gasoline removes rust, corrosion and gum, absolutely guaranteed 8 cans in pkg. PKG (8 cans) Out CARTON (10 pkgs)

RADIATOR LIQUID

4K8196—"X" Liquid for leaky radiators, prevents scale and rust. ½ pint in can. Can **50c**

POLISHES

"Simoniz" World's best cleaning and polishing preparations

4K8558 Simoniz Kleener, can **40c**

4K8559 Simoniz, can

"Duco"—Mirror finish, gives hard dry finish to lacquered, enameled and "Duco" finished cars.

4K8570—1 pint in can Can **67c**

"PYRENE" Fire Extinguisher and Liquid

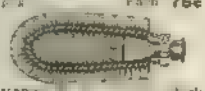
Approved by the National Board of Underwriters. Insurance Companies allow 15 per cent reduction on rate carrying "Pyrene."

4K9393—"Pyrene" fire extinguisher "1 qt., with brass body, filled with Pyrene Liquid, pump action, each with wall bracket, 1 in pkg., 9 lbs. Each **$8.00**

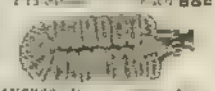
4K8196 "Pyrene" liquid, 1 qt. can, 1 can in pkg. Each **$1.20**

WASHING BRUSHES Garden Hose Connections

4K7851 — Heavy cotton strands, fastens to hose like ..... Each **75c**



4K7925 ..... black cotton strands, metal sprays water through ..... Each **85c**



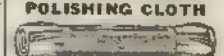
4K7926 ..... horse hair brush, brass nozzle sprays water through brush, 1 in carton ..... Each **$1.25**

4K7927 "Bluwell Deluxe," ..... horse hair brush, brass, durable sprays water through brush, ... Each **$1.95**

AUTO BRUSH SET

4K7931—4 piece set, pure bristle upholstery brush, cotton lamb's floor sponge and fender brushes, twisted wire frames, wood handles, 1 set in box. SET 4 articles **70c**

POLISHING CLOTH



4K8184 Soft ..... cloth for polishing, cannot scratch, 3 pieces in pkg., ½ doz. pkgs. in bundle. Doz pkgs **$2.10**

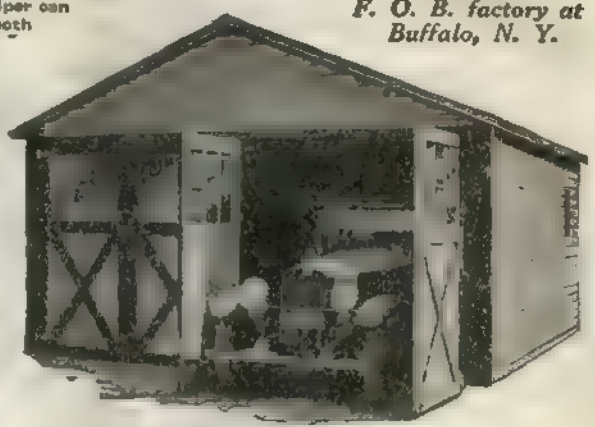
GASKET SHELLAC

4K8077—"Stick-tite," 4 oz. bottle, swab top, 4 doz. bottles in carton. Doz bottles **80c**

PORTABLE GARAGES

Attractive buildings, easily assembled. Holes for bolts are bored, and man with helper can erect in a few hours, saving both on materials and labor.

Shipped F. O. B. factory at Buffalo, N. Y.



SPECIFICATIONS

Sheathing—Yellow pine, double novelty siding boards, tongued, grooved and dressed.

Frame Work—Strong, being built of 4 in. by 4 in. posts, 2 in. by 4 in. sills and 2 in. by 4 in. assembling, dressed lumber.

Doors—Glazed, as shown; size of door opening 8'0"x8'0".

One window in each side wall.

Roofing—Red or green slate surfaced asphalt roofing in rolls.

Paint—Sufficient paint furnished for 2 coats, to paint 1 car one coat. We do not paint buildings.

Hardware—Necessary bolts, nuts, washers, roofing nails, and hardware for doors (except lock) furn.

FOR ONE CAR

	Size	Shipping Wt.	Each
➡4K1016-1	10x16	2240 lbs	$128.00
➡4K1014-1	10x18	2500 "	150.00
➡4K1216-1	12x16	2810 "	163.00
➡4K1218-1	12x18	2870 "	167.00

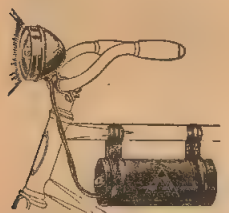
FOR TWO CARS

	Size	Shipping Wt.	Each
➡4K1616-2	16x16	4480 lbs	$230.00
➡4K1618-2	16x18	4760 "	245.00
➡4K1620-2	16x20	5045 "	260.00

➡Shipped from factory F. O. B. Buffalo, N. Y. within 24 hours of receipt of order.

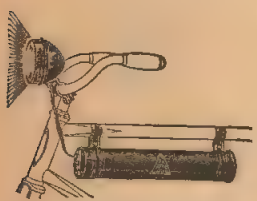
Note: Three car garages can also be furnished. Write for prices

ELECTRIC LIGHTING OUTFITS



No. C1633-27—Delta, black enamel, nickel trimmed, holds one dry battery, switch mounted on cover of battery case, battery case of steel, finished in black enamel, clamps firmly to cross bar, **without batteries,** w't per doz. 12 lbs., per dozen $41.30

ONE IN A BOX



New type of tandem battery container, can be clamped wherever most convenient, above or below cross bar below tank or to frame. Wherever attached the strong clamps hold it rigid and prevent swaying. Simple to connect batteries. Printed directions with each lamp.

No. C1634-28A—Delta, finished in black baked enamel, operates on two dry batteries, diam. of lens 3 in., projects powerful light over 300 ft. ahead. Battery case made of heavy steel, switch located on front end of batttery case, Mazda bulb 2.8 volts (our No. C1646) constructed to exact focus, no adjustment required, headlight clamps to handle bar, can be turned in any direction by means of swivel joint, **less batteries,** w't per doz. 30 lbs., per dozen $46.65

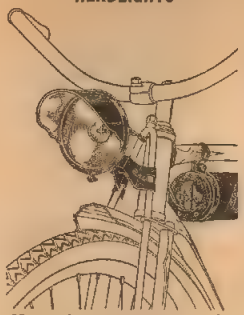
ONE IN A BOX

CARBIDE BURNERS

No. C1639 — Fish tail flame, for lamps using large size lavo tips, fits all standard bicycle lamps, w't, doz. 2 oz., per dozen $1.35

LOOSE

DELTA ELECTRIC BICYCLE HEADLIGHTS



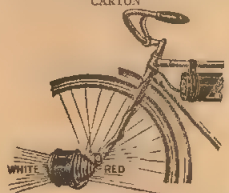
Mounts in center on truss rods or frame head.

Furnished complete with two cell battery case and parts. No batteries. 4 in. diam. head lamp, single shell brass reflector, silver plated.

Fitted with Mazda bulb No. F484. Lamp beautifully nickel trimmed.

No. C1637-60—W't per doz. 35 lbs., per dozen $69.30

ONE IN A BOX. ONE DOZEN IN A CARTON



MODEL 80

No. C1632-80—1—cell comb, head and tail lamps, finished in black enamel. Throws powerful light to front and red to rear. Fits any bicycle under axle nut, front left side. Rubber shock absorber at base of bulb. Takes bulb No. C1645, 1—cell. **Without Batteries.** W't per doz. 20 lbs.....per dozen $41.30

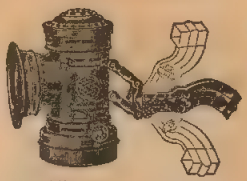
ONE IN A BOX

BULBS FOR ELECTRIC BICYCLE LAMPS

No. C1645—1.5 volts miniature base, for Nos. C1630, C1632 and C1633 lamps.....each $0.35

No. C1646—2.8 volts miniature base, for Nos. C1631, C1634 and C1637 lamps.....each $0.35

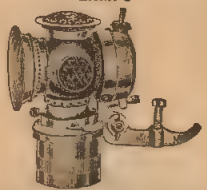
OIL BICYCLE LAMPS



No. C1640—Light Weight, brass, full nickel plated, height 6 in., 2¾ in. lens, burning capacity 10 hrs., side lights green and ruby jewels, w't per doz. 12 lbs., Burns kerosene oil, per dozen $26.35

ONE IN A BOX

ACETYLENE GAS BICYCLE LAMPS



No. C1642—Solar, made from heavy gauge sheet brass. Embodies the wick feed system of water control which has proven the best automatic system of gas generation known. All parts such as water valve, wick tube, burner socket, nuts, etc. are made from brass tubing or rod and interchangeable. Lamp is 7 in. high, has removable aluminum reflector, double convex lens 2⅝ in. in diameter, ground and polished, 1¼ in. ruby and green side glasses. Heavily nickeled and polished. Projects an intense white light 100 feet ahead. Supplied regularly with Shipp bracket, as shown in cut. This bracket is attached to the handle bar and is adjusted by removing the bolt in handle bar stem using the bolt that comes with the bracket. W't per doz. 25½ lbs.....per dozen $80 00

ONE IN A BOX

Our Very Best for Fifty Years Has Stood the Test

BICYCLE BELL ASSORTMENT

MASCOT

Any one of the bells can be sold independently of assortment. Bells individually boxed in a container.

No. C1670—Consists of 12 handsome 2¼ in. bells decorated in brilliant colors with unique mascot designs, flat top steel gongs electrically welded to hub of bell, tone unusually pure and free from clatter, w't per ass't 4 lbs.....per asst of 12 bells $6.75

ZOO BELL ASSORTMENT

This assortment has proven to be very popular. The gongs are made of the best bell metal and brilliantly ornamented colors. The tones are sharp and musical.

ONE ASSORTMENT IN A CONTAINER

No. C1671—Assortment contains 12 bells, consisting of the following:

3 No. FDL,	3 No. 332B,
2 Turtle design,	1 Serpent,
1 Cherub,	1 Fox,
1 Jewel design.	

The gongs are 2⅜ in. in diam., w't per asst. 4¼ lbs., per assortment $8.55

ONE ASSORTMENT IN A BOX

BICYCLE BELLS

2 inch nickle plated and polished, rotary alarm. Has bevel beaded, wrought steel gong.

No. C1668—W't per dozen 2¼ lbs., per dozen $4 45

ONE IN A BOX, ONE DOZEN IN A CARTON.

VELOCIPEDE BELLS

There is a consistent demand for a bell to fit velocipedes. The ordinary bicycle bell will not fit as the clamps are too large. These bells have a special clamp so that it will fit all size of velocipede handle bar tops.

Plain top, nickel plated, rotary alarm. Has bevel edge wrought steel gong.

Nos.	C1666	C1667
Diam. top, in.	1½	2
W't, dozen, lbs.	2	2½
Per dozen	$3.75	4.45

ONE DOZEN IN A BOX

RUBY REFLECTORS

These reflectors are 1¾ in. in diam. of imported glass, red in color, highly silvered backs and are so cut, that their reflection in approaching light, acts as a tail lamp. Can be seen for several hundred yards.

No. C1650—1 dozen on a Counter Display Card, w't each 1¾ lbs., per card $5.55

TWELVE ON A CARD. WE DO NOT BREAK CARDS

BICYCLE BELLS

No. C1660—2¼ in., nickel plated and polished, wrought steel gong, bevel beading, push button, continuous alarm, w't per doz. 6¼ lbs., per dozen..$10.80

ONE DOZEN IN A BOX

No. C1661 Hibbard—2 in., nickel plated electric rotary alarm, bell metal gong, handsomely ornamented with fleur-de-lis design, bevel bead, w't per doz. 6 lbs..per dozen $9.60

ONE DOZEN IN A BOX

Hibbard nickel plated and polished, rotary electric alarm, bevel beaded, wrought steel gong.

Nos.	C1662	C1663
Size, in.	2	2¼
W't, doz., lbs.	2½	3¼
Per dozen	$5.35	6.10

ONE DOZEN IN A BOX

No. C1664—Bronco, 3 in., nickel plated and polished bell metal gong, rotary electric alarm, operated by a lever, fastened to handle bar by lock clamp, w't per doz. 3 lbs., per dozen $17.05

ONE IN A BOX

OVB
Our Very Best
Is
The Very Best

WRITE
for
Illustrated
Catalog

GASCON

APACHE

JEANETTE

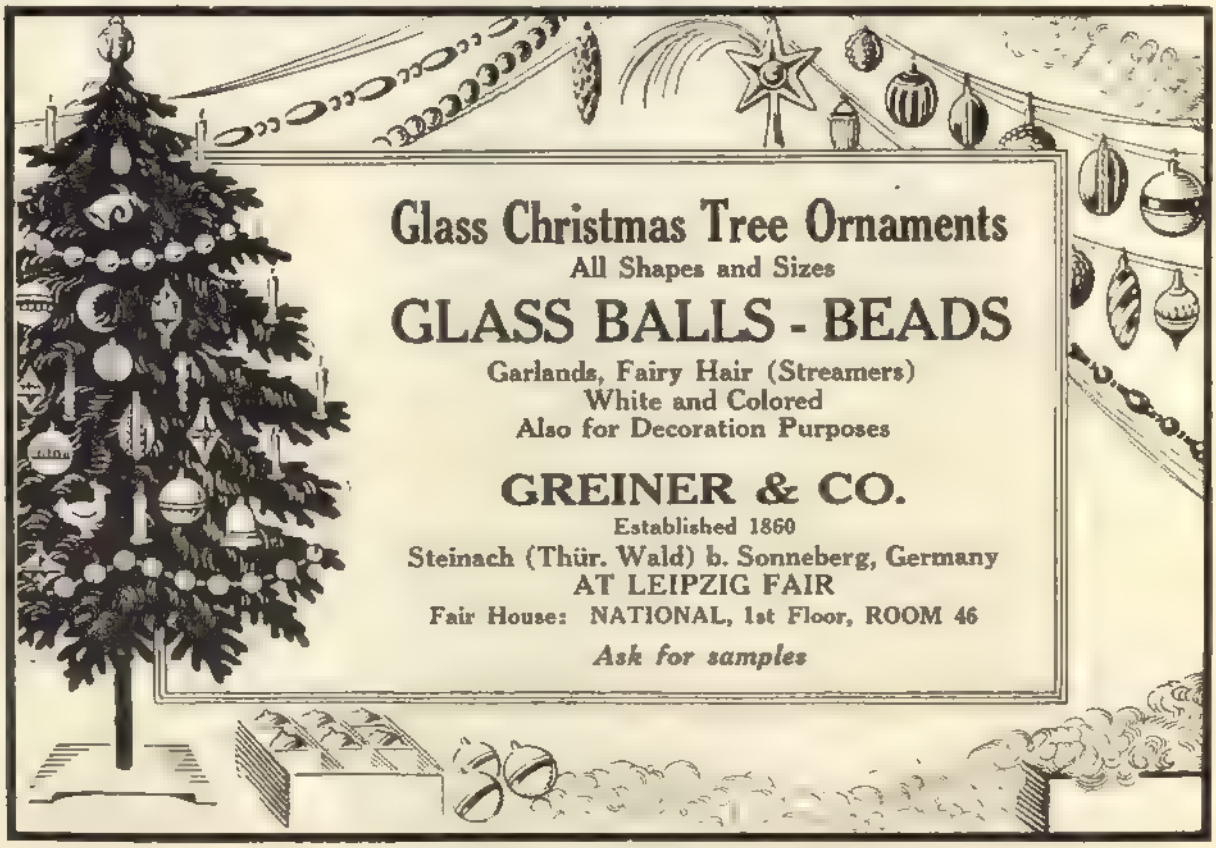
CALL
WHEN IN
TOWN

FRENCH FELT DOLLS

Exquisite Parisian Beauties At Prices That Mean Ready Sale

The French artistry and dainty charm of these exclusive dolls will lend a sparkling touch to your Doll Display that means instant attention and sure business. Plenty of numbers to select from at prices that allow liberal profit margin. Illustrated catalog promptly mailed—write today.

LOUIS EISEN
SOLE IMPORTER
3 West 29th Street New York



Glass Christmas Tree Ornaments
All Shapes and Sizes
GLASS BALLS - BEADS
Garlands, Fairy Hair (Streamers)
White and Colored
Also for Decoration Purposes

GREINER & CO.
Established 1860
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The "BOY TOYMAKER"

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A new addition to our line and already a sensational hit Teaches model boat building Retails at $3.50, $5.00 and $10.00 each.

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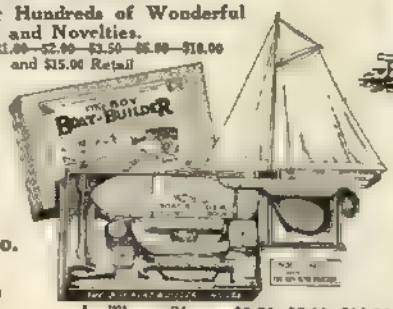

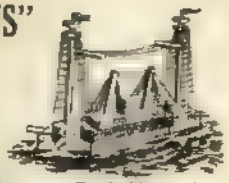

Battleship Model

In Three Sizes—$3.50, $5.00, $10.00 Spanish Galleon Model

The Artillery Field Cannon as illustrated, comes in three sizes selling to the boy at prices ranging from $5.50 to $12.25 Many other BIG-BANG Models — including the $1.00 Armor Tank.

BIG-BANG CELEBRATORS

SAFE NOISE
NO MATCHES—NO POWDER

A BIG BANG in military games satisfies and reverberates—has the Glamour, the Flash and the Boom which appeals strongly to every boy, with the absolute safety demanded by the most exacting parents.

The season is here. Your competitors are ready to sell you—Wake it up. We'll take it! Are you ready for them?

ALSO MFRS. OF KING-PIN SHOVELS AND RO-TO-TOPS

THE CONESTOGA CORPORATION
FORMERLY TOY CANNON WORKS
BETHLEHEM, PA.
EXPORT DEPARTMENT: 130 PEARL ST., OFFICE No. 905
NEW YORK CITY, U. S. A.

Fired like any BIG BANG with the added feature that Tank can also be fired by stepping on the lanyard. No. 5T—Price, $1.00—8 inches.

ESTABLISHED 1869

Fred. K. Braitling

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SALESROOM
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World's Original Doll Shoe Manufacturer

A Size and Style of Shoe
for
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Biggest Line of NEW Masquerade Costumes!

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The line with the snappy NEW numbers is the line that sells. An inspection of our 1927 Line will convince you that here is originality, variety and value beyond comparison. Write!

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Where other manufacturers make one, we make a dozen.

The advantages of this immense Volume Production are passed on to you in the form of faster selling merchandise and prices that allow more profit.

Investigate!

SORORITY & FONTAIN WATCHES

SORORITY and FONTAIN StrapWatches

HANDSOME, sturdy, and up-to-the-minute!

The movements are factory-made, finely finished, fitted with 6 and 15 jewels, cut balance, and lever escapement. Each movement is stamped with its model number to facilitate ordering of materials. Dials have radium numerals.

Every watch is equipped with a 3-piece case having fine quality leather straps and detachable pin lugs and buckles. Every watch is complete with presentation box, price tag, and guarantee card.

—the lowest-priced 3-piece case strap watches having shown outstanding features!

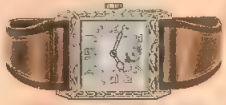
(Watches shown 3/4 actual size)

2420—6/0 Size. Fontain 6 jewels cut balance. White dial. Leather strap with detachable pin lugs & buckle. Assorted straps. Radium dial $12.00

2420F—In Strap Style case $16.00

2435—6/0 Size. Fontain 6 jewels cut balance. White enamel over gold case, detachable pin lugs & buckle. Assorted straps. Radium dial $15.50

236—16 Size. Fontain 15 jewels cut balance. White enamel case with 2 bands of green enamel & white enamel numerals. Radium dial $17.50



232—16 Size. Fontain 15 jewels cut balance. White enamel case with green enamel bands, detachable pin lugs & buckle. Assorted straps. Radium dial $15.50

230—16 Size. Fontain 6 jewels cut balance. White enamel case, detachable pin lugs & buckle. Assorted straps. Radium dial $15.50

234—16 Size. Fontain 6 jewels cut balance. White enamel case, detachable pin lugs & buckle. Assorted basket weave straps. Radium dial $16.50

3344—16 Size. Fontain 15 jewels cut balance. Yellow gold filled case with green enamel bands. Detachable pin lugs & buckle. Assorted straps. Radium dial $26.00

3207—16 Size. Fontain 15 jewels cut balance. 10 year white gold filled case, engraved green enamel bands. Detachable pin lugs & buckle. Assorted straps. Radium dial $27.50

8311F—16 Size. Fontain 15 jewels cut balance. Yellow gold filled case with green enamel bands. Detachable pin lugs & buckle. Assorted straps. Radium dial $19.50

SORORITY WATCHES

POPULAR 15 Jewel WATCHES

SORORITY WATCHES are designed especially for the modern youthful woman. They are precision in construction, in time keeping and in appearance.

The movements are factory-made by the Sorority Watch Co., a subsidiary of the Hermetos Watch Co. Each one is finely finished and contains 15 red rubies, patent exhaustance wheel, lever escapement and engraved dials with assorted enameled and raised numerals. The model number stamped on each movement facilitates ordering of materials.

New and fashionable Star Scepter quality cases protect the movements and enhance the beauty of SORORITY WATCHES. The fancy models are also available in Star 14K solid White Gold 3 piece cases.

A splendid presentation box, together with a price ticket, guarantee card and "Laws of Lucerne" certificate is supplied with every SORORITY WATCH.

(Watches shown 3/4 actual size)

All prices subject to change without notice.

SORORITY movement, showing model number stamped on bridge. When ordering materials, always give the model number

3028 16/0 L Sorority 15 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $18.50

3128 16/0 L Sorority 15 Jewels, cut balance movement in Star Scepter quality white case. Assorted engraved dials $18.50

1239 6/0 L Sorority 15 Jewels cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00

934 6/0 L Sorority 15 J. cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00
934 In 14 K Solid White Gold 3 pc. case $31.00

1135 6/0 Sorority 15 J. cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00
1135 In 14 K Solid White Gold 3 pc. case $30.00

1141 6/0 L Sorority 15 J. cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00
1141 In 14 K Solid White Gold 3 pc. case $30.00

1337 6/0 L Sorority 15 J. cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00
1337 In 14 K Solid White Gold 3 pc. case $31.00

1339 6/0 L Sorority 15 J. cut balance movements in Star Scepter quality white case. Assorted colored enamel & raised numerals dials $23.00
1339 In 14 K Solid White Gold 3 pc. case $31.00

1232 6/0 L Sorority 15 Jewels cut balance movements in Star Scepter quality white type case. Assorted colored enamel & raised numerals dials $29.00

1734 6/0 L Sorority 15 Jewels cut balance movements in Star Scepter quality white type case. Assorted colored enamel & raised numerals dials $29.00

1731 6/0 L Sorority 15 Jewels cut balance movements in Star 14K solid White Gold type case. Assorted colored enamel & raised numerals dials $35.00

1732 6/0 L Sorority 15 Jewels, cut balance movements in Star 14K solid White Gold type case. Assorted colored enamel & raised numerals dials $35.00

A SORORITY watch in its handsome presentation box

Complete in every detail

SORORITY popular 15 Jewel WATCHES

Reproduction of "Laws of Lucerne" certificate which accompanies every Sorority watch. This certifies that you own a genuine Swiss watch and will be entitled to service under the guarantee when and if needed. Issued by the Swiss Watch Importers Association, Inc.

FONTAIN WATCHES

2021F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $12.00

2415F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $12.00

2421F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $12.00

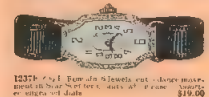
8321F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted colored dials $17.00

8341F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $17.00

10335F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $17.00

10395F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $17.00

10515F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $17.00



12375F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $19.00

12395F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted colored dials $19.00

12595F 6 Jewels cut balance movement in Star Scepter quality white case. Assorted engraved dials $21.00

12575F 6 Jewels cut balance movement in Kasket Gold Plate, inlaid in enamel case. Assorted engraved dials $21.00

A FONTAIN watch in its handsome presentation box

Complete in every detail

SUPERIOR 6 Jewel WATCHES

Factory-made 6 Jewel watches are truly desirable for every-day service because of their reliability and low cost.

FONTAIN WATCHES are manufactured by the Fontain Watch Co., a subsidiary of the Hebrew Watch Co. They are finely polished and have 6 Jewels, cut balance wheel, lever escapement and engraved dials. Dials on all fancy shaped watches have assorted enameled and raised numerals. Ordering of numbers is made easy by the model number stamped on each movement.

The latest designs in engraved cases beautify FONTAIN Watches. All, except the extreme small specials, are Star Scepter quality.

A guarantee card, price tag, and attractive presentation box accompany each watch.

These trimness creations, and extremely low prices make FONTAIN Watches ideal gifts for schoolgirls.

Watches shown [illegible] size.

A [illegible] watch size without [illegible].

FONTAIN movement, showing model number stamped on bridge. When ordering materials always give the model number.

Represented [illegible] Every FONTAIN watch [illegible] the [illegible] and [illegible] the good [illegible] with every watch.

FONTAIN Superior 6 Jewel WATCHES

SORORITY

DIAMOND-SET WATCHES

Beautifully-designed 18 kt. solid White Gold cases set with genuine fine Diamonds. The movements are SORORITY, with 15 *red ruby* Jewels, cut balance-wheel, and engraved dials with assorted enameled and gold raised numerals.

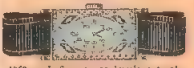
SORORITY

Charming Elegance

in Diamond-set watches!

1361—Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $60.50

1362—Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $72.50



1960—Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $70.00

1964—55¢ Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $70.00

1968—55¢ Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 12 Diamonds, 6 blue Im. Sapphires. $120.00

B-8-N-1

Models of Good Taste!

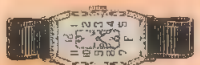
To those who prefer simplicity in design, these neat models appeal strongly — and their modest prices make them doubly appealing!

1196—65¢ Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $52.50

991—65¢ Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 4 Diamonds, 4 blue Im. Sapphires. $65.00

More than Ornaments!

These charming designs do more than adorn a graceful arm and wrist—they also keep unerring watch over the passing moments!

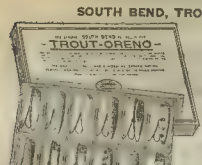


996—65¢ Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $52.50

1865—65¢ Ladies' Sorority, 15 Jewels, cut balance movement in 18 K. solid White Gold case, 2 Diamonds, 4 blue Im. Sapphires. $57.50

The presentation box shown above is supplied with every Sorority Diamond-set watch. It is handsomely fashioned and tastefully ornamented. Each one contains a guarantee card and price tag.

BAIT ASSORTMENTS

SOUTH BEND, TROUT-ORENO

Consists of twelve minnows, assorted colors.

Red cedar body, enameled with several coats of high grade water-proof enamel, treated to prevent cracking and swelling. Has a wobbling erratic motion; floats when not in motion and darts, dives and swims when reeled in. An irresistable game fish lure.

Length 1¾ ins.; one hollow point double hook.

	Per Ass't
No. 381	$17 25

One ass't in cardboard box; wt per ass't ½ lb.

SOUTH BEND, FISH-ORENO

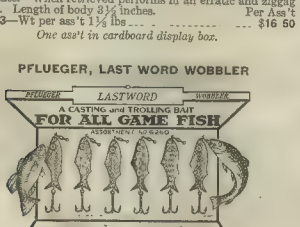
Consists of six baits, one each of the following:

White body with red head, copper body, pike finish, scale finish, copper scale finish, any yellow body with black spots and stripe. Two treble hooks, non-rotating hook fasteners; highly polished nickeled head plate. When retrieved performs in an erratic and ziggag fashion. Length of body 3½ inches.

	Per Ass't
No. 353—Wt per ass't 1½ lbs.	$16 50

One ass't in cardboard display box.

PFLUEGER, LAST WORD WOBBLER



Convex shape bait extra strong spring metal, highly polished. Designed in such a manner as to wobble, dive, and dart in a most life-like manner and with all the effect as an injured and crippled minnow. Mounted with extra strong rust proof brass plated steel split rings with bright nickel plated size ⅛ treble hooks. Treated to prevent discoloration.

Assortment consists of six minnows as follows:
1-No. 5603 Natural mullet, scale finish
1-No. 5605—Natural frog, scale finish
1-No. 5606 Natural perch, scale finish
1-No. 5612—White enamel, red spune, scale finish
1-No. 5613 White enamel, black spine, scale finish
1-No. 5622—White enamel, green and red spots, scale finish

	Per Ass't
No. 6260—Ass't complete as above described. Length body 3 ins	$3 30

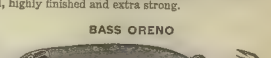
One ass't mounted on attractive display cardboard, packed in carton; wt per ass't ¾ lb.

WOOD MINNOWS

SOUTH BEND

Bodies of genuine selected red cedar, having many coats of special waterproof enamel. The eyes are properly placed and counter-sunk to give natural appearance. All trimmings are heavily nickel plated, excepting the spinners which are high grade 18⅝ nickel silver polished and buffed. Hooks are imported, highly finished and extra strong.

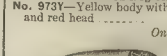
BASS ORENO



Two side and one tail treble hook. Length body 3½ inches.

	Per Doz
No. 973RSF—Scale finish with red blend	$26 40
No. 973R—Solid red color	26 40
No. 973RH Red head and white body	26 40
No. 973LUM Nite luming finish	26 40
No. 973RAIN Rainbow color	26 40
No. 973YP—Yellow perch, scale finish	26 40
No. 973F Imitation frog color	26 40
No. 973Y—Yellow body with black stripes and spots and red head	26 40

One in box.



SOUTH BEND

One side and one tail treble hook, length body 2¾ inches.

	Per Doz
No. 972RH—Red head and white body	$22 50
No. 972SF—Scale finish, green	22 50
No. 972LUM—Nite-luming finish	22 50

One in cardboard box; wt per doz 1¼ lbs.

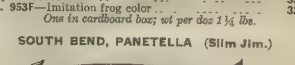
FISH ORENO

One side and one tail treble hook. Highly nickeled head plate. Length body 3½ inches.

	Per Doz
No. 953RH—White body, red head	$33 00
No. 953SF Scale finish	33 00
No. 953CS—Copper scale finish	33 00
No. 953RAIN—Rainbow color	33 00
No. 953Y—Yellow body with red and green decorations and highly nickeled head plate	33 00
No. 953P—Pike finish with highly nickeled head plate	33 00
No. 953S—Silver finish, black blending around eyes	33 00
No. 953F—Imitation frog color	33 00

One in cardboard box; wt per doz 1¼ lbs.

SOUTH BEND, PANETELLA (Slim Jim.)



(Illustration shows five treble hooks)
Five Treble.

Four sides and one tail treble hook. Length of body 4¼ inches.

	Per Doz
No. 915GCBW—Green colored back, white belly	$26 40
No. 915RAIN—Rainbow color green back, red and yellow sides, blending into white belly	26 40
No. 915RH—Red head with white body	26 40
No. 915RSF—Scale finish with red blend	26 40

D 9

PHANTOM MINNOWS

Life-like minnow heads; strong ribbed silkalene, the best substitute ever found for silk. Blended with oil colors guaranteed not to crack, peal or fade. Mounted on good quality gut shafts and gongs with best quality spear point treble hooks bronzed. Brass barrel swivels.

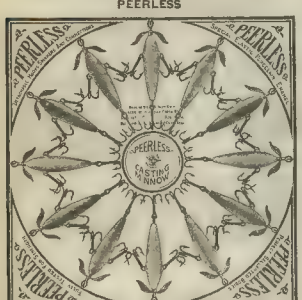
"PFLUEGER'S"

Nos.	Length Minnow, ins.	Per Doz
1515-1	2	$12 00
1515-2	2½	12 60
1515-3	3	12 60
1515-4	3¼	16 50
1515-5	3½	16 50
1515-6	4	18 00
1515-7	4¼	18 00

One on card in cardboard box; wt per doz 2 ozs.

WOOD MINNOWS

PEERLESS



Wooden bodies coated with special indestructible elastic waterproof porcelain enamels and mounted with three best quality spear point treble hooks ringed, size 2. Polished nickel plated spinners and connections.

Length 2½ inches.

	Per Doz
No. 4180—White enameled all over	$6 60
No. 4194—White enameled belly, blended green back	6 60
No. 4195—White enameled belly, blended red back	6 60

One doz on display card; 1 card in cardboard box.

PEERLESS ASSORTMENT

	Per Ass't
No. 3003—Consists of twelve minnows. 4 each Nos. 4180, 4194 and 4195	$6 60

One ass't on display card; 1 card in cardboard box.

WOOD MINNOWS

CREEK CHUB
FINTAIL SHINER, WIGGLER

Genuine cedar, natural shaped bodyandtail;nickel plated hooks set in sockets. Imitation fins on back, tail and sides. Length body 4 inches.

	Per Doz
No. 2101—Natural yellow perch, scale finish	$31 50
No. 2102—Natural golden shiner, scale finish	31 50
No. 2103—Natural silver shiner, scale finish	31 50
No. 2105—Red side shiner, scale finish	31 50

One in cardboard box; wt per doz 1½ lbs.

DE LUXE WAG TAIL CHUB

Genuine cedar body; rust proof nickel plated tail which swings back and forth as the bait travels through the water. Reversible double hooks. Length body 2¾ inches.

	Per Doz
No. 800—Natural creek chub, scale finish	$26 40
No. 801—Natural perch, scale finish	26 40
No. 804—Golden shiner, scale finish	26 40
No. 805—Red side minnow, scale finish	26 40

One in cardboard box; wt per doz ½ lb.

FLAT SIDE

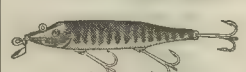
Genuine cedar body; rust proof nickel plated hooks and spinner. Represents an injured minnow which is laying on its side exhausted, but still able to make a little motion on the surface and should be pulled in a series of short slow jerks, or very slowly to properly imitate a struggling minnow. Length of body 3¾ inches.

	Per Doz
No. 1501—Natural perch, scale finish	$26 40
No. 1503—Silver shiner, scale finish	26 40
No. 1504—Golden shiner, scale finish	26 40
No. 1505—Natural creek chub, red side, large scale finish	26 40

One in cardboard box, wt per doz 1½ lbs.

CREEK CHUB

FAMOUS PIKIE MINNOW



Genuine cedar,slim body; rust proof bronze hooks set in sockets and blend with color of body. Gives best results when reeled slow but will not revolve if reeled fast. Especially designed near surface wiggler but by turning up the screw eye and reversing mouth piece it becomes a surface splatter. Length body 4½ inches.

	Per Doz
No. 700—Pikie minnow, scale finish	$25 20
No. 701—Natural yellow perch, scale finish	25 20
No. 702—White with red head	25 20
No. 704—Golden shiner, beautiful light golden sides	25 20
No. 705—Natural Pikie, red side	25 20
No. 708—Rainbow	25 20

One in cardboard box; wt per doz 1½ lbs.

SOUTH BEND WOODEN MINNOWS

STRIKE-ORENO

A most attractive lure for Bass and other game fish. Consists of gay feathers and hackle tied upon weedless single hook, with a body of sufficient weight for ideal casting. Hook size is No. 5-0 made of special high grade construction.

No.	3-1	3-5	3-11
Pattern	The Ibis	The Cole	The Oriole
Per Dozen	$10.20	10.20	10.20

One-Twelfth Dozen on a Card, Six Cards Connected;
One-Half Dozen in a Container

FEATH-ORENO ASSORTMENTS

Bass Size

Assortment contains twelve popular, standard pattern Feath-Oreno minnows. Is a floating fly rod lure with the perfect action of imitating a crippled minnow. Very attractive and alluring for Bass and other fresh water game fish. Hook size is No. 1-0 hollow point bronzed, special improved design The straight eye ringed hook permits attaching of spinners etc. for underwater fishing. Body is cork which will neither slip nor twist.

Contents:

1—No. 1—Red Ibis
1—No. 2—Royal Coachman.
1—No. 3—Gray Hackle.
1—No. 4—Silver Doctor.
1—No. 5—The Cole
1 No. 6—Grizzly King
1 No. 7—Yellow Drake.
1 No. 8—Brown Hackle
1 No. 9—Parmacheene Belle
1 No. 10—White Miller
1 No. 11 Lord Baltimore
1 No. 12 Blue Jay

No. 315 Feath-Oreno Assortment. . Each $9.00

One Assortment in a Container

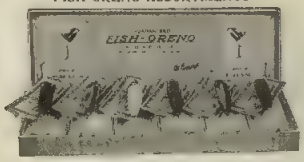
FISH-ORENO

Made of selected red cedar finished with high grade enamel. Equipped with two extra strong highly nickel plated treble hooks. Highly polished nickel head plate which sinks the bait at the approximate rate of 2 feet per second to any desired depth, where, when retrived, it performs in an erratic, wobbling, quivering, zigzag fashion so enticing to game fish It is particularly desirable for hot weather fishing, when a bait that will travel deep, and still not sacrifice action is wanted by the angler. Length of body, 3½ inches; weight each, ⅝ ounce.

No. 953RH Red head and white body.....Per Dozen, $15.00
No. 953P Pike finish .....Per Dozen. 15.00
No. 953SF Scale finish, green . Per Dozen, 15.00
No. 953Y Yellow body with black spots and stripe.. .. ..
. . . . . Per Dozen 15.00
No. 953CS Copper scale finish ... . Per Dozen, 15.00
No. 953S Silver finish black eyes. .. . . . Per Dozen, 15.00
No. 953F Frog color .....Per Dozen, 15.00
No. 953RAIN Rainbow color .....Per Dozen, 15.00

One-Twelfth Dozen in a Box. One Dozen in a Container

FISH-ORENO ASSORTMENTS



Is an attractive assortment of six No. 953 Fish Oreno minnows Each bait is packed in an individual box, so when sale is made vacancy can be quickly refilled from stock.

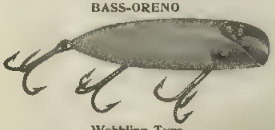
Contents:

1 No. 953RH Red head and white body.
1 No. 953S Silver finish black eyes.
1 No. 953P Pike finish
1 No. 953F Frog color.
1 No. 953Y Yellow body with black spots and stripe.
1 No. 953RAIN Rainbow color.

No. 353 Fish-Oreno Assortment Size of box, 13⅝x6x1¼ inches... .....Each, $7.50

One Assortment in a Container

BASS-ORENO



Wobbling Type

Made of selected red cedar finished with high grade enamel. Nickel plated, ringed head and three nickel plated, ringed, spear point treble hooks. Used for casting or trolling. Has a wonderful erratic action In motion it dives, dashes and wiggles. When not in motion it floats This bait is designed especially for all species of fresh water fish but has also proven effective for salt water species such as striped bass, channel bass, roballo, etc. Length of body, 3½ inches; weight per dozen, 1½ pounds.

No. 973RH Red head and white body.....Per Dozen, $12.00
No. 973RAIN Rainbow Color .....Per Dozen, 12.00
No. 973SF Scale finish, green.....Per Dozen, 12.00
No. 973RSF Scale finish with red blend.....Per Dozen, 12.00
No. 973YP Yellow perch scale finish .. Per Dozen, 12.00
No. 973LUM Nite Luming finish .. Per Dozen, 12.00

One Twelfth Dozen in a Box. One Dozen in a Container

BASS-ORENO ASSORTMENT

A neat attractive assortment of six No. 973 Bass-Oreno minnows put up in an attractive golden-rod yellow display box. Each bait is packed in an individual box so that when a sale is made vacancy can quickly be refilled from stock.

Contents:

1 No. 973RSF Scale finish with red blend.
1 No. 973RH Red head with white body.
1 No. 973F Imitation frog color.
1 No. 973RAIN Rainbow color.
1 No. 973SF Scale finish green.
1 No. 973RHA Red head with aluminum color body.

No. 382 Bass-Oreno Assortment Size of box, 14x6x1½ inches, weight each 1 pound.....Each, $6.00

One Assortment in a Container

TROUT FLIES

WEB'S LIFELIKE PAIRED COCKED WING

With Gut Snells

Is a combination wet or dry fly with semi-upright wings. Just the proper amount of untrimmed hackle is used under the wings. Bodies are of the finest Silk and decorated. Dress on tapered down eye file point bronzed Sneck hooks. Best quality mist color gut snells.

Patterns carried in stock:

Abbey	Kingfisher
Blue Bottle	Seth Green
Brown Hackle	Cahill
Parmacheene Belle	King of Waters
Gray Drake	Queen of Waters
Grizzly King	Coachman
White Miller	Ginger Quill
Cowdung	Ibis
Professor	Reuben Wood
Royal Coachman	Black Gnat

With hook, No.	10	12
Any Pattern	Per Dozen, **$1.80**	**1.80**

One Dozen on a Card, One Card in a Box

Note—When ordering the above, always specify pattern also size of hook wanted.

BASS FLIES

WEB'S LIFELIKE PERMASHEEN ASSORTED ON CARDS

With Gut Snells

Assortment consists of twelve Web's Lifelike Permasheen Bass Flies with permasheen bodies and flat folded wings. Dressed on best imported bronzed, ringed eye, spear point hooks, tied with heavy single mist color gut snells. All materials guaranteed fast color. May also be used as a spinner fly.

Contents:

Ibis	Lord Baltimore
Parmacheene Belle	Abbey
Gray Hackle	Professor
Brown Hackle	Seth Green
Grizzly King	Yellow Sally
Montreal	White Miller

No. 90 Assortment Size of hook, No. 1-0.....Each, **$2.75**

One Assortment Sewed on a Card, One Card in a Box

FEATHERED ORENO

Weighted Body

Red Ibis flies tied on extra strong, hollow point, bronzed, ringed eye sproat hooks with heavy tied inverted wings and enameled waterproofed weighted bodies. Used with a single or tandem spinner and pork rind it presents a well proven irresistible lure.

No. 1413RI Size of hook, No. 3-0; weight per dozen, ½ lb.....Per Dozen, **$3.60**

One-Twelfth Dozen on a Card, Six Cards Connected; One Dozen in a Box

BUCK TAIL FLIES

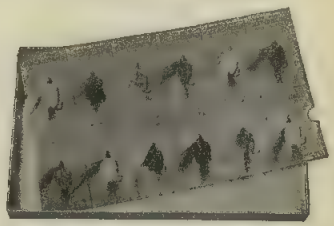
STRAIGHT EYE RINGED FUZZ-ORENO

Is a rough body type of fly with untrimmed yellow buck-tail body and brown buck-tail wings tied on straight eye ringed, bronzed sproat hook with good quality waterproof binding.

No. 1636 Size of hook No. 1-0. Weight per dozen, ¾ lbs.....Per Dozen, **$4.20**

One-Twelfth Dozen on a Card, Twelve Cards Connected, One Dozen in a Box

FUZZ-ORENO FLY ASSORTMENTS



Each assortment comprised of twelve Fuzz-Oreno buck-tail flies, without spinner, mounted on perforated card, divided into twelve sections, permitting easy removal of individual lures. Makes attractive display in show case.

No. 1636 Fuzz-Oreno Fly Assortment.....Each, **$4.20**

One in a Box

FLOATING BUGS

CALLMAC BASS ASSORTMENTS

Each assortment comprised of twelve Callmac bass bugs, mounted on perforated card divided into twelve sections. The peculiar design combines feathers and buck-tail hair in gay color contrasts, giving every appearance of a living fly or bug. A patented no slip hook extends through the cork body, preventing turning or twisting. Tied on a No. 1-0, turn-down eye model, perfect bronzed hook.

No. 310 Callmac Bass Bug Assortment.....Each, **$7.80**

One in a Box

SOUTH BEND WOBBLING TYPE BAITS

FLY ORENO

For use with a fly-rod, including the lighest kind without any danger of straining the rod. For trout and other game fish. Constructed along the same lines and having the same wobbling, zig-zagging and diving action in the water as the other Oreno baits. This lure preferably should be used in conjunction with a four foot gut leader.

Body is 1¼ in. long. Equipped with one No. 9 bronzed hollow point, double hook, easily detached for reversing.

	Per Doz.
No. C970RH—Red head and white body	$7.80
No. C970Y—Yellow body with green and red spotted decorations	7.80
No. C970R—Solid red color with black nose	7.80
No. C970W—White body with red and green spotted decorations	7.80
No. C970RAIN—Rainbow color	7.80
No. C970F—Imitation frog color	7.80
No. C960RHA—Red head and aluminum color body	7.80
No. C970SF—Scale finish	7.80
No. C970YP—Yellow perch scale finish	7.80
No. C970RSF—Scale finish with red blend	7.80
No. C970C—Copper finish with black shading around eyes	7.80
No. C970LUM—Nit-luming finish	7.80

ONE DOZEN IN A BOX

FLY-ORENO ASSORTMENT

This assortment of one each of twelve standard colors of Fly-Oreno baits is furnished in a neat pocket size box. Box size is 3⅜×2⅝×½ in.

No. C380—Per assortment $7.80

ONE ASSORTMENT IN A BOX

TROUT-ORENO

Designed primarily for fly-rod fishing, however is also successfully used with light bait rod for Bass and other game fish, as well as Trout. This lure preferably should be used in conjunction with a four foot gut leader.

Body is 1¾ in. long. Equipped with one double hook No. 4, bronzed, hollow point, easily detached for reversing.

	Per Doz.
No. C971RH—Red head and white body	$7.80
No. C971RAIN—Rainbow color	7.80
No. C971SF—Scale finish	7.80
No. C971YP—Yellow perch, scale finish	7.80
No. C971RSF—Scale finish with red blend	7.80
No. C971C—Copper finish with black shading around eyes	7.80
No. C971LUM—Nite-luming finish	7.80

ONE DOZEN IN A BOX

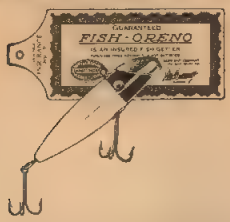
TROUT-ORENO ASSORTMENT

A neat compact coat pocket size box, containing one each of the twelve standard colors of the No. C971 Trout-Oreno Baits. Each bait is in a separate compartment. Box size is 6×4¼×⅞ in.

No. C381—Per assortment $7.80

ONE ASSORTMENT IN A BOX

SOUTH BEND GUARANTEED FISH-ORENO



THE BAIT WITH THE INSURANCE POLICY

Only lure ever produced that is guaranteed by manufacturer to catch fish. Covered by an insurance policy attached to bait, that is backed by resources of South Bend Bait Co. Can be sold to any angler with positive guarantee of "money back" if not satisfied after one year's use.

Fish-Oreno is an innovation constructed along similar lines to our famous Bass-Oreno. It has a highly polished nickel head plate which sinks bait at approximate rate of 2 feet per second to any desired depth, where, when retrieved, it performs in an erratic, wobbling, quivering, zig-zag fashion so enticing to game fish. It is, particularly desirable for hot weather fishing, when a bait that will travel deep, and still not sacrifice action is wanted by angler.

Body length over all 3¾ in., equipped with two extra strong treble hooks, highly nickel plated, enamel lacquer finish, w't per doz. 1¼ lbs.

No. C953RH—White body, red head and highly nickeled plate in front of red head.....per dozen *$15.00*

No. C953C—Copper body with highly nickeled head plate .....per dozen *$15.00*

No. C953P—Pike finish with highly nickeled head plate, per dozen *$15.00*

No. C953SF—Scale finish with highly nickeled head plate .....per dozen *$15.00*

No. C953Y—Yellow body with black spots and stripe with highly nickeled head plate.....per dozen *$15.00*

No. C953CS—Copper scale finish with highly nickeled head plate .....per dozen *$15.00*

ONE IN A BOX, ONE DOZEN IN A CONTAINER WITH ATTRACTIVE COUNTER EASEL

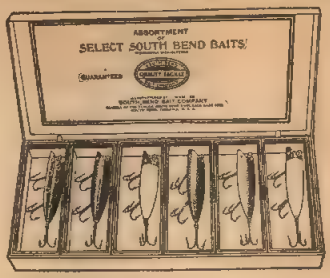
SOUTH BEND GUARANTEED FISH-ORENO DISPLAY

An Attractive Display Package Suitable for Window and Showcase

No. C353—Display contains six Fish-Oreno baits, one each of colors: **RH-C-P-SF-Y-CS,** each bait packed in individual box with guarantee attached. Vacancies in display can be quickly refilled with shelf stock. W't per display 1¼ lbs.....each *$7.50*

ONE DISPLAY IN A CONTAINER WITH ATTRACTIVE COUNTER EASEL

BAIT ASSORTMENTS AND DISPLAY BOXES



Very neat and compact. Does not consume much space nor obstruct the full use of the top of your display cases. Size is 14x6¾x1¾ inches. Goldenrod yellow colored box with attractive red and black printing. Has six compartments, each holding an individual box of one bait.

No. C382—Assortment consisting of—One each No. C973 Bass-Oreno (Wobbler) baits in selected popular colors; scale with red blend; scale finish; frog; rainbow; red head white body; red head aluminum color body, w't per assortment 1 lb.....per assortment *$6.00*

ONE ASSORTMENT IN A BOX

MIDGET PIKE-ORENO ASSORTMENTS

A New size of the popular South Bend PIKE-ORENO, Body length 3 inches, equipped with two single detachable snap-eye hooks, one in belly and one in tail. Assortment consists of one each of the six standard colors as follows: RH—YP—RAIN—SF—R—RHA.

No. C387—Half dozen assorted....per assortment *$5.10*

ONE IN A BOX, HALF DOZEN IN A CARTON

Fishermen's Favorite Baits

South Bend Babe-Oreno Bait, is a wobbler type used for casting or trolling. For anglers who use a light whippy constructed rod, and desire a light bait. Red head and white body. 2¾ inches long. Each in box. One dozen in carton.

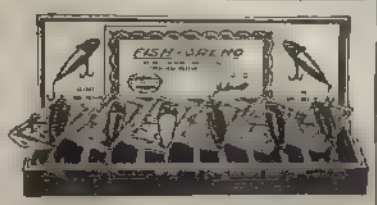
No. 18R65. Per dozen..... 6.66

South Bend Bass-Oreno Bait, is a wobbler type used for casting or trolling, irresistible to game fish. In motion it dives, darts, and wiggles like an injured fish. Red head and white body, 3½ inches long, enamel finish. Each in box. One dozen in carton.

No. 18R01. Per dozen... 7.84

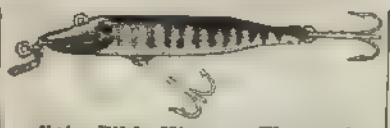
South Bend Bass-Oreno Assortment, contains 6 Bass-Oreno baits in assorted colors, red green, red head and white body, frog, rainbow, etc. Each assortment in display box.

No. 18R09. Per assortment.. 3.92



South Bend Fish-Oreno. Guaranteed assortment contains six baits, each packed in an individual box with guarantee attached. Well designed baits, made with a highly polished nickel head plate. These baits are particularly desirable for hot weather fishing because they will travel deep and not sacrifice action. Each assortment in display box.

No. 18R190. Per assortment. 4.90



Baby Pikie Minnow. Thoroughbred from the famous Pikie Minnow. This neat little ⅛ ounce lure, 3¼ inches long, is in answer to the demand for a smaller bait than the now famous Pikie Minnow. Each in box. One dozen boxes in carton.

No. 18R47. Natural Pikie

Per dozen..... 7.45

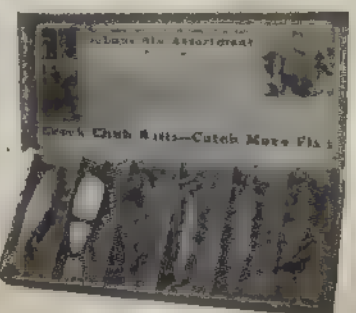
Creek Chub Pikie Minnow is a low nature lure. Slim body is 4½ inches long, weight ¾ ounce, rust proof bronze hooks set in sockets. 3 treble hooks. Each in box. One dozen boxes in carton.

No. 18R48. Pikie Minnow

Per dozen... 7.84

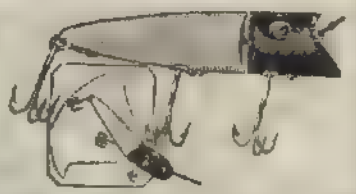
Creek Chub Super-Six Assortment. Contains six of the best fish getters in partitioned box with instructions how to use and get the best results with the bait.

No. 18R125. Per assortment 3.80



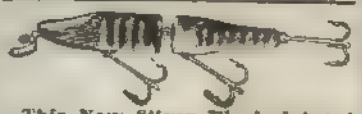
Creek Chub De Luxe Six Assortment. Made up of six killers, among the latest creations, the New Wiggle Fish, Fintail Minnow, and Floating Injured Minnow. Wonderful set of lures that are tried and proven fish foolers. Each assortment in display box.

No. 18R180. Per assortment. 4.22



New Heddon Zig-Wag Bait is the first bait ever made with a "duplex movement" or two movements at the same time. Glass eyes, full Heddon finish, secured non-rotating hook fasteners. Length of body 2¼ inches, weight ⅝ ounce, equipped with three No. 1 treble hooks. Color white with red head. Each in box. One dozen in carton.

No. 18R201. Per dozen..... 9.80



This New Silver Flash Jointed Pikie has a beautiful wiggling movement. It is a very easy caster and does not run quite so deep as the Pikie Minnow. It is a great killer. Length 4½ inches. Weight ⅝ ounce. Each in box. One dozen boxes in carton.

No. 18R197. Per dozen..... 9.80

Heddon Big Six Bait Assortment. For your convenience, Heddon's six first choice baits are offered complete in a partitioned cardboard box. This assortment contains one each of the very best of Heddon's fish lures, each painted the proper color.

No. 18R170. Per assortment 4.07

Heddon Light Six Assortment. A very attractive selection of Heddon baits in one-half ounce weights for the light rod user. Each assortment in display box.

No. 18R188. Per assortment. 4.26

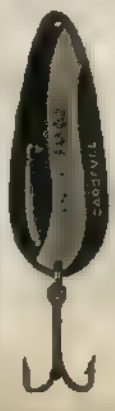
Selected Baits and Spinners

Minnow Assortment. These are well formed and finished wooden minnows of regulation style, fitted with nickel plated spinner and 3 treble hooks one on each side and one in back. Polished nickel plated spinners and connections. 1 dozen assorted colors on display card. One card in box
No. 18R41.
Per dozen..... 1.96

CASTING AND TROLLING BAIT ASSORTMENT

Casting and Trolling Bait Assortment, consists of six best killers and popular selling baits with a small outlay of capital, assortment consists of one each: Willow leaf bait, Fluted spoon bait, Black bass bait, Monogram bait, Kidney bait, plain and oval hammered bait. Six assorted baits sewed on a perforated card. One card in box.
No. 18R28. Per assortment. 1.00

DARDEVLE AND DARDEVLET BAITS



Dardevlet Baits are made of metal, nickel finished and very effective. Red and White reverse. Length 2⅞ inches, weight 3/5 ounce. Each in box.
No. 18R158.
Per dozen..... 6.66

Dardevle Baits, same as above, length 3¼ inches, weight 1 ounce.
No. 18R156.
Per dozen..... 7.45

SKINNER'S FLUTED BAIT

Skinner's Nickel Plated Fluted Bait, brass box swivel, brass shank fitted so hook can be easily detached. One dozen in box.

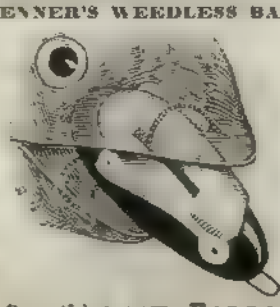
No.	Size	Length of Spoon, In.	Per Doz.
18R23	4	1½	2.00
18R25	4½	1¾	[illegible]
18R26	5	2⅛	3.20
18R27	6	2⅜	3.20
18R113	7	2⅞	4.00

LUMINOUS TANDEM SPINNER

Pflueger's No. 1938 Luminous Tandem Spinners, a twin blade spinner, radiant reinforced nickeled blades revolving in opposite directions, mounted on hollow point feathered treble hooks and brass box swivel. Blades are covered with a glow substance, making this bait unexcelled for night fishing. Each in box. ½ doz. in carton.

No.	Size	Length of Blade	Per Doz.
18R107.	2	1¼ in.	2.95
18R108.	1/0	1⅝ in.	3.45
18R109.	1	1⅞ in.	4.00

FENNER'S WEEDLESS BAIT



Something new. **Fenner's** Weedless Bait, known as the "WAB." Never tangles or snags its own line. The ingenious mechanism that operates this bait is rust proof and non corrosive. Body of indestructible pyrolin, no paint to chip, color will remain as long as you have bait. Each in box.
No. 19R172. Per dozen.. 14.90

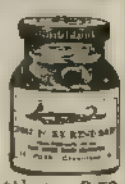
Shannon Twin Spinners. The Shannon Twin Spinner is one of the most attractive and successful baits ever made. In addition to being weedless, the spinners are placed so near the point of the hook that a strike means a hooked fish. Made with number 2-1/2 spoons and extra stout number 4-0 hook. 1 dozen in box.
No. 18R128. With Red Fly.
Per dozen..... 6.66

Oriental Wiggler. Made of celluloid with detachable hand forged O'Shaughnessy hook to which is attached pork rind strip. Body of red and white. Each in box. 1 dozen in carton.

No.	Size Hook	Weight	Dozen
18R138.	3/0	⅜ oz.	7.84
18R139.	2/0	1 2 oz.	7.84

Shimmy Wiggler. A composite lure combining the spinner, spoon, fly and the pork rind. One Al Foss Buck-Tail streamer and one extra hook furnished with each. Each in box, 1 dozen in carton.

No.	Size Hook	Weight	Dozen
18R140.	1/0	1 2 oz.	7.84
18R141.	3/0	⅝ oz.	7.84



Al Foss Bass size Pork Rind strips. These strips are 4-⅝ inches long and ½ inch wide. Grease removed and ready to be attached to lures. 12 strips in bottle. 1 dozen bottles in carton.
No. 19R26. Per doz. bottles.. 3.53

PRESERVED BAIT

Preserved Silver Minnows, small sizes, 3 dozen jars in case.
No. 19R28.
Per dozen jars. 1.75

Preserved Silver Shiner, medium sizes, 2 dozen jars in case.
No. 19R29.
Per dozen jars.. 1.85

~~Not this—~~
~~$2.40 for a set~~
~~of Ford Plugs~~

~~nor this—~~
~~$2.00 for a set~~
~~of Ford Plugs~~

but this —— $1.75 for the SPLITDORF FORD SPECIAL

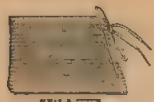
Splitdorf Spark Plugs for Fords are the only high-grade plugs retailing at $1.75 for a set of four and giving the dealer a MAXIMUM profit on every set.

SPLITDORF ELECTRICAL COMPANY
392 High Street Newark, N. J.
Subsidiary of
Splitdorf-Bethlehem Electrical Company

SPLITDORF
HALF DOLLAR
SPARK PLUGS
a type for every engine

$1.75
for the set a real money maker for the dealer

BOOT RECOIL PADS



Hibbard

Genuine, bordered calf skin leather pad, of extra fine quality, with a grooved base of moulded sponge rubber, cemented firmly within the pad. The color is a dark cherry red to blend with the color of gun stocks. End-laced. W't per doz. 1¼ lbs.

No. C61S—Small size, 4¾×1⅝ in., per dozen $33.35

No. C61M—Medium size, 5⅜×1⅝ in. . . . . per dozen $33.35

No. C61L—Large size, 5¾×1⅝ in., per dozen $33 35

CRUSO

A good quality, tan colored, calf skin pad, with a sponge rubber base, firmly cemented within it. End-laced. Excellent workmanship. W't per doz. 1¾ lbs.

No. C71S—Small size, 4¾×1⅝ in., per dozen $20.55

No. C71M—Medium size, 5⅜×1⅝ in. .....per dozen $20.55

No. C71L—Large size, 5¾×1⅝ in., per dozen $20.55

REX

Similar in construction to the Cruso Pad but made of a waterproof cow leather, of a deep, cherry red color. A durable pad at a low price End laced. W't per doz 1¾ lbs

No. C72S—Small size, 4¾×1⅝ in., per dozen $14 90

No. C72M—Medium size, 5⅜×1⅝ in. ....per dozen $14 90

No. C72L—Large size, 5¾×1⅝ in., per dozen $14.90

AKRON

Moulded, sponge rubber cushion cemented within a highest quality, tan colored, sheep skin pad.

Easily slips over the butt end of the gun stock and is end laced to give a perfect fit. W't per doz. 1¾ lbs.

No. C91S—Small size, 4¾×1⅝ in., per dozen $37 30

No. C91M—Medium size, 5⅜×1⅝ in. .... per dozen $37 30

No. C91L—Large size, 5¾×1⅝ in., per dozen $37.30

ALL ABOVE, ONE DOZEN IN A CARTON

SPORTSMEN'S ENCYCLOPEDIA

It is a 544 page book full of instructions, 1000 illustrations by Buzzacott, the standard authority for camping and camp outfits, hunting and hunting outfits, angling and angling outfits, big game hunters, trappers, guides.

No. C12—Complete, 6⅝×4⅝ in., handsomely bound in good quality cloth cover, stamped in gold..each $2.00

STAKE-OUT FOLDING FIBRE-BOARD GOOSE DECOYS

Photographic reproductions of Canada geese with spreading bodies, held open by inserting triangle frame attached to heavy wire stake. Made from heavier waterproofed fiber-board than that used in paper duck decoys. For land shooting; will not float.

No. C40—Complete sets, one dozen assorted—¼ hens, ¾ drakes, w't per doz. 12 lbs.....per dozen $17.75

ONE DOZEN IN A CANVAS BAG

OUR MOTTO

Our Very Best for Fifty Years Has Stood the Test

STAKE-OUT FOLDING FIBRE-BOARD DUCK DECOYS

Photographic reproduction of ducks, printed in natural colors on tough jute fiber-board thoroughly waterproofed. **They Do Not Float,** but are held open, by triangular metal frames attached to wire stakes, to be shoved into the ground, for shooting over shallow water or fields.

MALLARDS

No. C36—Complete set, one dozen assorted, ⅓ hens, ⅔ drakes, w't per doz. 4 lbs. .....per dozen $6.65

BLUE BILLS

No. C37—Complete sets, one dozen assorted—⅓ hens, ⅔ drakes, w't per doz. 4 lbs. .....per dozen $6.65

CANVAS BACKS

No. C38—Complete sets, one dozen assorted—⅓ hens, ⅔ drakes, w't per doz. 4 lbs. .....per dozen $6.65

PIN TAILS

No. C39—Complete sets, one dozen assorted—⅓ hens, ⅔ drakes, w't per doz. 4 lbs. .....per dozen $6.65

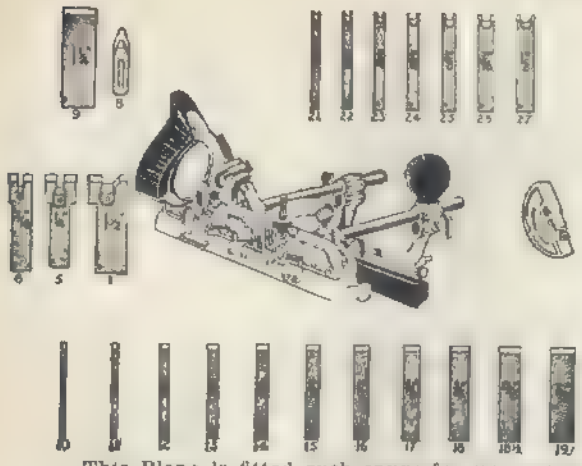
ONE DOZEN IN A CANVAS BAG

Hibbard
Hardware for Hard-Wear

A HOUSE ORGAN COVER IN FOUR COLORS

Printed by INDEPENDENT PRESSROOM, *San Francisco*
Engraved by AMERICAN ENGRAVING AND COLOR PLATE CO., INC., *San Francisco*

COMBINATION PLANES



STANLEY PLOW, BEADING, RABBET AND MATCHING

Seven Tools in One, in Compact and Practical Form

Each

No. 45—10 in. Long, Nickel Plated Stock and Fence, Rosewood Handle and Knob, Complete with 23 Cutters as Described Below, Weight Each 9½ Lbs. . . . $15.50

One in a Neat Steel Box, Complete with Cutters.

This Plane embraces in a compact and practical form (1) Beading and Center Beading Plane, (2) Plow, (3) Dado, (4) Rabbet and Filletster, (5) Match Plane, (6) Sash Plane, (7) Slitting Plane.

Each Plane is accompanied by seven Beading Tools (⅛, 3/16, ¼, 5/16, ⅜, 7/16 and ½ in.); Eleven Plow and Dado Bits (⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞ and ⅞ in.); One 1¼ in. Filletster, One Slitting, One ⅜ in. Match Tool, One ¼ in. Match Tool, and One 1⅛ in. Sash Tool; Twenty-three Tools in all.

This Plane is fitted with spurs for use across the grain, etc., and can be used either right or left hand

For beading at a distance from the edge of a board attach Cam Rest (see cut at right of plane) to the front arm between the sliding section and fence to prevent the fence sagging. In certain work attach the same to the rear arm to prevent the plane from rocking.

STANLEY ALUMINUM PLOW, BEADING, RABBET AND MATCHING

Similar in Design to the Regular No. 45 Plane. Being Made of Aluminum it is an Exceptionally Light Weight Tool that Will Not Rust

Each

No. A45—Aluminum, with 23 Cutters, Weight Each 7¾ Lbs. $18.50

STANLEY HOLLOWS AND ROUNDS

For Use on No. 45 Plane Only and Not Included in Price of Plane

Sold in Sets, Each Set Comprises One Hollow, One Round and Two Cutters.

Nos.	6	8	10	12
Cutter, Inches	½	⅝	¾	1
Works Circles, Inches	¾	1	1¼	1½
Per Set	$2 30	$2 30	$2 50	$2 50

STANLEY NOSING TOOL

For Use on No. 45 Plane Only and Not Included in Price of Plane

This is a specially formed bottom. The tool and its cutter will form what might be called an exaggerated round as in shaping the edges of stair treads.

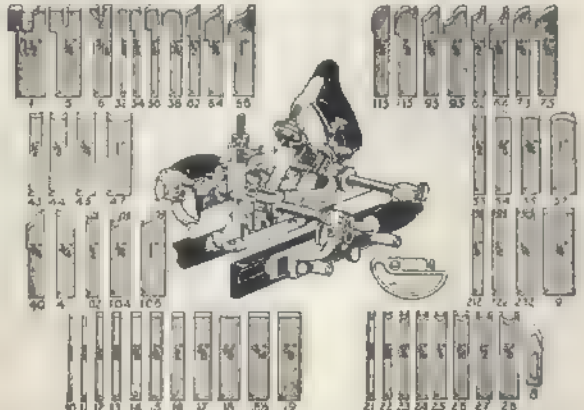
Each

No. 5—Nosing Tool with One Cutter $1.75

STANLEY PATENT UNIVERSAL COMBINATION

All metal parts of the planes are nickel plated. The handles and fence are made of selected rosewood, and every part is finished.

All parts are interchangeable.



This tool, in addition to being a Beading Plane, a Plow, Dado, Rabbet Filletster, Match Plane, Sash Plane and a Slitting Plane, is also a Superior Moulding Plane and will accommodate cutters of almost any shape and size.

Each

No. 55—10 in. Long, Nickel Plated, Rosewood Handles and Fences, Complete with 55 Cutters as Described Below, Weight Each 15¼ Lbs. $28 00

One in a Neat Steel Box, Complete with Cutters.

The Following Cutters are Furnished with Each Plane

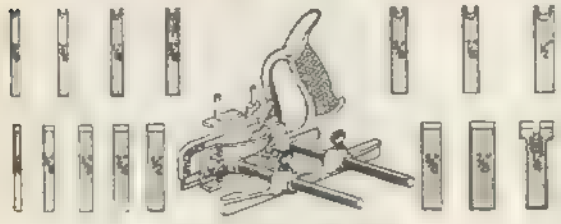
One 1½ in. Sash Tool, one ¼ in. Match Tool; one ⅜ in. Match Tool, one Slitting Tool; one 1¼ in. Filletster; twelve Plow and Dado Tools (⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞ and ⅞ in.), nine Beading Tools (⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝ and ¾ in.), four Fluting Tools, (¼, ⅜, ½ and ¾ in.), four Hollows (½, ⅝, ¾ and 1 in.), four Rounds (½, ⅝, ¾ and 1 in.), two Quarter Hollows (½ and ¾ in.), two Quarter Rounds (⅝ and ⅞ in.); three Reverse Ogees (½, ¾ and 1 in.), two Roman Ogees (⅝ and ¾ in.), three Grecian Ogees (½, ¾ and 1 in.), two Quarter Rounds with Bead (⅝ and ⅞ in.); three Reeding Tools with two Beads (⅛, 3/16 and ¼ in.), one ¾ in Right Hand and one ¾ in. Left Hand Chamfers.

The Plane is fitted with spurs for working across the grain and a special cam rest to be located on the front arm when working at a distance from the edge of the board, to keep the fence from sagging, or on the rear arm on certain work to prevent the possibility of the plane rocking. All parts are interchangeable.

Note—Catalog and Prices of Extra and Special Cutters for Nos. 45 and 55 Planes Furnished on Request.

ADJUSTABLE IRON PLANES

STANLEY COMBINED PLOW, BEADING AND MATCHING



Complete with 13 Cutters

A small combination plane for light work Adapted for Plow, Beading, Matching and Rabbet work. Fitted with spurs, depth gauge, and a fence with a 5 in. adjustment.

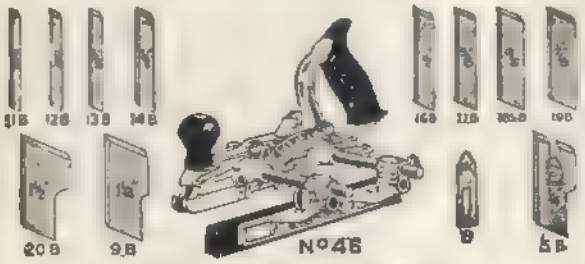
Each

No. 50—9 ¼ in. Long, Nickel Plated Stock and Fence, Weight Each 3 ½ Lbs.....$8.50

The cutters comprise 7 plow and dado bits, one each ¼, ⅜, ½, ⅝ and ¾ in., 7 beading tools, one each ⅛, ¾, ⅛, ⅜, ⅛ and ½ in. and a ⅛ in tonguing tool.

One in a Box

STANLEY SKEW CUTTER COMBINATION



Complete with 12 Cutters

Nickel Plated Stock and Fence, Rosewood Handle and Knob

For Plow, Dado, Filletster, Matching and Rabbet work Fitted with spurs, a depth gauge and a fence with Rosewood face

Each

No. 46—10 ½ in. Long, Weight Each 5¾ Lbs.....$10.95

The cutters comprise 9 plow and dado bits, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞ and 1 ¼ in.; a 1 ½ in. filletster cutter, a ⅛ in. tonguing tool, and a splitting cutter.

Each

No. 47—Without Fence, with ⅜, ½, ⅝, ¾, ⅞, 1 ¼ in. Dado and Slitting Cutter, Otherwise Same as No 46, Weight Each 3¾ Lbs.....$8.65

One in a Box

ELECTRIC PLANES

ALTA

Ten Times Faster than a Jack Plane

Aluminum Frame, High Speed Steel Blades, Dust-Proof Bearings, Indicator Dial on Front, Adjusting Screw Shows Depth of Cut, Equipped with Universal Motor, Fits Any Light Socket.

Each

No. 1A—Capacity 2 ½ in. Wide, Adjustable Cut, 0 to ⅛ in., Weight Each 13 Lbs $125 00

SCRAPER PLANES

STANLEY DOUBLE HANDLE VENEER

For Scraping Veneer or for Cabinet Work

The handles are of rosewood with a double grip, and, being placed across the center of the tool, give it a good balance. The blade is adjustable endwise and for angle, and can be firmly locked in position desired.

Each

No. 12—6 ⅛ in. Long, 2⅞ in. Cutter, Weight Each 3⅜ Lbs $4 90

Extra Blades .50

One in a Box.

With Rosewood Bottom

Japanned Iron Frame, Rosewood Handles, Endwise Adjustment. The Blades can be locked at any angle

Each

No. 12½—6¼ in. Long, 2⅞ in. Cutter, Weight Each 4 Lbs. $0.65

Extra Blades .50

Extra Rosewood Bottom .45

This wood bottom is especially adapted for use on very fine work, as it renders less liable the possibility of marring or scratching the surface being worked upon. This bottom is detachable, and, when worn, can be readily removed and a new one substituted.

One in a Box

STANLEY SINGLE HANDLE

Rosewood Handle and Knob

This Plane has the same form as the regular Bailey Plane and is preferred by some users to the double handle Scraper Plane. The blade is adjustable endwise and for angle, and can be firmly locked in position desired

Each

No. 112—9 in. Long, 2⅞ in. Cutter, Weight 4 Lbs. $4.30

Extra Blades .50

One in a Box.

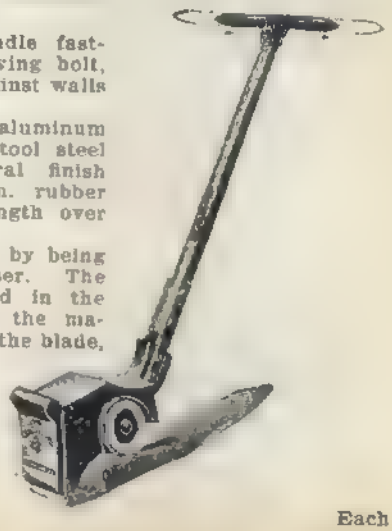
FLOOR SCRAPERS

STEARNS

Adjustable cross handle fastened with clamp and wing bolt, allowing user to get against walls and into corners.

6 in. cast iron frame, aluminum finish, 6 in. tempered tool steel blade, 38 ½ in. natural finish hardwood handle, 5 in. rubber tired wheels, 56 in. length over all.

This machine is used by being drawn towards the user. The blade is firmly clamped in the scraper, the weight of the machine, resting mostly on the blade, prevents vibration or clatter, and thus eliminates wavy effects on floor.



Each

No. 10—Weight 135 Lbs.....$20 00

METALLIC PLUMBS AND LEVELS

STANLEY ADJUSTABLE

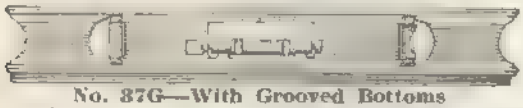
No. 36G—With Grooved Bottoms

Japanned Body, Nickel Trimmings, Adjustable, Prooved Glasses. Groove in Bottom Permits Use of the Level on Shafting in addition to its use as a Regular Level.

Length, Inches	6	9	12	18	24
Weight Each, Lbs.	⅞	1⅛	1⅜	3	4⅛
Each	$1 90	2 30	2 75	3 30	3 70

One in a Box

STANLEY IMPROVED ADJUSTABLE



No. 37G—With Grooved Bottoms

Nickel Plated Iron Body, Nickel Trimmings, Adjustable Ground Glasses, Eclipse Case Cover, Two Plumbs.

Length, Inches	12	18	24
Weight Each, Lbs.	1⅞	3	4¼
Each	$3 70	4.45	5 15

Groove in bottom permits use of the level on shafting in addition to its use as a regular level

The Eclipse Cover is an outer shell or tube fitting over the level case, which can be turned either to expose the level glass when in use, or to protect it when not in use.

One in a Box

STARRETT

No. 132—With Double Plumb

Grooved Bottoms, Graduated Vials, Black Enamel Finish. The 4 to 12 in. have Square Ends. The 18 and 24 in. Sizes are Furnished with Concave Ends

Length, Inches	4	6	9	12	18	24
Weight Each, Lbs.	¾	⅞	1¼	1¾	2¾	4
Each	$1 65	1 80	2 00	2.10	3.00	3.50

One in a Box

STARRETT ENGINEERS AND PLUMBERS

With Grooved Bottom

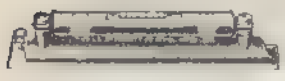
The Hinged Tube inside the frame contains a level glass and is adjusted to a graduated scale and shows any incline by 32nds (or less) to 2 inches to the foot. A fixed level and plumb in addition makes this a practical tool for all class of work

	Plain Vial		Ground Vial	
Nos.	133A	133B	133C	133D
Length, Inches	10	15	10	15
Weight Each, Lbs.	1⅞	2⅝	1⅞	2⅝
Each	$3 75	4.00	7.00	7.25

One in a Box

IRON BENCH LEVELS

STARRETT IMPROVED ADJUSTABLE



Style of 6 and 8 inch.

Style of 12 inch

For Testing Shafting

Japanned Iron Base, Nickel Plated Trimmings.

No. 97—With Plain Vial

Length, Inches	6	8	12	*18
Each	$2.25	2.75	4 00	6 00

No. 98—With Ground Vial

Length, Inches	6	8	12	*18
Each	$4 25	5.00	7.00	10 00

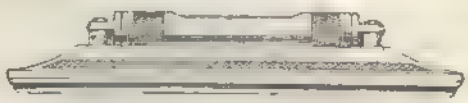
*The 18 inch size is furnished with double plumbs.

In addition to the regular parallel vial, the bases have a cross level which enables one to place or hold the base on a shaft level in its cross section, not canted sidewise, for the shape of a level glass is such that though true as adjusted on a flat surface, it will not be reliable when canted sidewise.

One in a Box.

LEVELS

STANLEY ECLIPSE ADJUSTABLE MACHINISTS



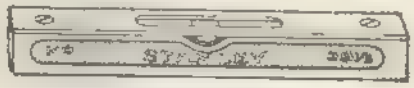
No. 34G—With Grooved Bottoms

For Work on Shafting, Piping, etc. Iron Base, Nickel Plated, Ground Glass, Revolving Glass Protector.

Length, Inches	6	8	10
Weight Each, Lbs.	¾	1⅛	1¾
Each	$2.10	2.80	3.10

One in a Box

STANLEY MACHINISTS IRON



Nickel Plated

Iron Case, Proved Level Glasses.

Nos.	38½	39½
Length, Inches	4	6
Weight Each, Oz.	2¼	4¾
Each	$0.75	.95

Six in a Box.

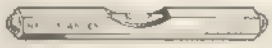
STARRETT POCKET

Japanned Iron Base, Proved Glass

	Each
No. 180—3½ in. Long, Weight Each ¾ Lb.	$0 60

One in a Box

STANLEY HEXAGON POCKET



No. 31—Nickel Plated

Metal Case, Proved Level Glass

Length, Inches	2	2½	3	3½
Weight Each, Oz.	¾	⅞	1¼	1¾
Each	$0 45	.50	.60	.75

Six in a Box

STANLEY STRAIGHT EDGE

Brass Top Plate

Japanned Iron, Proved Glass.

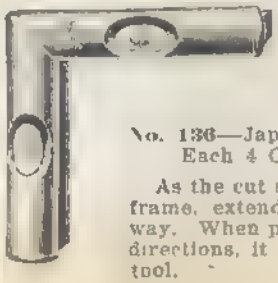
	Each
No. 41—3½ in. Long, Weight Each 2 Oz.	$0.25

Can be attached to any straight edge or carpenters' square.

Twelve in a Box.

CROSS TEST LEVELS

STARRETT



Levels in Both Directions

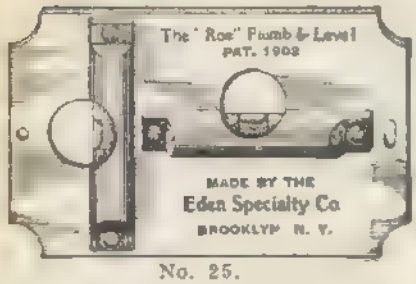
	Each
No. 136—Japanned, Size 2¾ in., Weight Each 4 Oz.	$0 90

As the cut shows, two levels are united in one frame, extending at right angles 2¾ in. each way. When placed on work to be leveled in both directions, it will not be necessary to move the tool.

One in a Box.

STRAIGHT EDGE LEVELS

ROE



No. 25.

Aluminized Steel

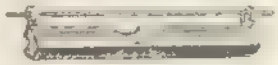
Quickly Detachable and Adjustable to Any Straight Edge. Especially Adapted for Masons, Carpenters or Plumbers Use. Fitted with Colored Level Glasses.

	Per Dozen
No. 25—Plumb and Level 5⅝x3¼ in. with 3 Glasses	$24 00
No. 01—Level Only 3½x2½ in. with 1 Glass	12.00

One in a Box

LINE LEVELS

STARRETT ALUMINUM

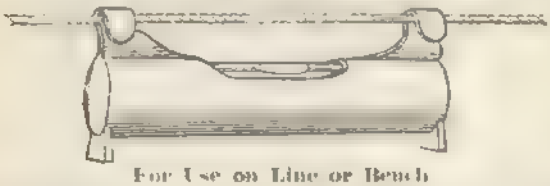


For Laying Foundations, Road Building, Etc.

	Each
No. 108—3 in. Long, ⅝ in. Diameter, Weight ½ Oz.	$0 60

One in a Box.

SIMPLEX



For Use on Line or Bench

Stamped from Sheet Aluminum, Weighs Only One-Quarter Ounce. The Extension Lugs are Ground to Permit Level to be Used on Flat Surfaces.

	Per Dozen
No. 201—2¼ in. Long, Weight Each ¼ Oz.	$6 00

One Dozen on Display Card

LEVEL GLASSES

STANLEY PROVED

Extra Thick Tubing

Marked at Crowning Point by Two Indelible Lines.

Length, Inches	1	1¼	1½	1¾
Weight Dozen, Lbs.	⅛	¼	⅛	¼
Per Dozen	$1.20	1 20	1.20	1.20
Length, Inches	2	2½	3	3½
Weight Dozen, Lbs.	⅜	½	⅝	⅝
Per Dozen	$1 20	1.20	1 80	1 80

One Dozen in a Box

LEVEL SIGHTS

STANLEY

Iron, Gun Metal Finish

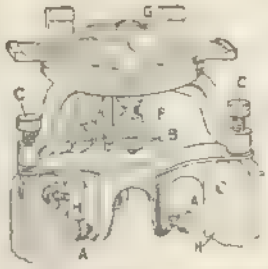
For Sighting Level for One Given Point to Another a Distance Away.

	Per Pair
No. 1—For Wood Levels, Weight Per Pair 4 Oz.	$1 25
No. 2—For Iron Levels, Weight Per Pair 4 Oz.	1.25

One Pair in a Box

LEVELING STANDS

STANLEY



For Holding Level with Sights Attached

Consists of Base and Rotating Level Carrier. Attached by Set Screw (A) to one stake. Base is provided with 3 Wings (H) for attaching to Tripod Legs. The Adjusting Screws (C) provide Adjustment when Base is used on Flat Surfaces. The Swivel may be locked by Knurled Screw (F) under Center Screw (G) holds Level on the Swivel. All parts of the Stand are made of Metal, Nickel Plated.

	Each
No. 38—For Metal Levels, Weight Each 2⅝ Lbs.	$3.15
No. 48—For Wood Levels, Weight Each 2⅛ Lbs.	3.15

One in a Box.

PLUMB BOBS

IRON

Japanned Iron, Adjusted Top

Nos.	1	1¼	1½	3
Wt. Each, Oz.	9	18	24	44
Diameter, Inches	1½	1¾	2	2½
Per Dozen	$2 40	4 50	5.70	6.30

No. 1, One Dozen; Balance, One-half Dozen in a Box.

SARGENT

Nickel Plated Iron, Adjusted Top

Nos.	N28	N30	N31
Weight Each, Oz.	6	12	18
Each	$0.36	.48	.57

No. N28, Ten in a Box; Nos. N30 and N31, Five in a Box.

STARRETT MERCURY

No. 87—Nickel Plated

Knurled Steel Body, Filled with Mercury, Hardened Point, Complete with Braided Silk Line

Length, Inches	4	5	5½	6
Weight Each, Oz.	3½	6	12	16
Diameter, Inches	½	⅝	⅞	1
Each	$1.80	2 40	3 00	3 60

Fitted with a patented device for fastening the string.

One in a Box

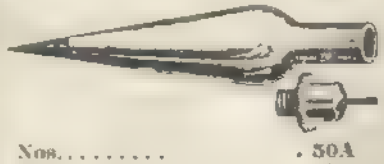
BRASS

With Screw Top

Cast Brass, Lead Filled, Steel Point.

Nos.	6	8
Weight Each, Oz.	11½	16
Each	$1.25	1.40

Five in a Box.



SURVEYORS

Adjustable Top

Machined from Solid Brass Bar, Steel Point Screwed in. Lacquered Finish.

Nos.	50A	50B	50C	50D	50F
Weight Each, Oz.	4	8	12	16	24
Each	$1 00	1 55	2.10	2 80	4 20

One in a Box

HEXAGON

Steel, Brass Plated

Adjusted Top, Hexagon Shape, Prevents Rolling.

Nos.	180	1200
Weight Each, Oz.	[illegible]	1-
Size, Inches	[illegible]	1×1
Per Dozen	$1 00	5 00

One Half Dozen in a Box

ADJUSTABLE IRON PLANES

STANLEY RABBET

With Adjustable Depth Gauge

Japanned Iron Stock, 8 in. Long, with Spur for Working Across Grain

Nos.	190	191	192
Cutter, Inches	1½	1¼	1
Weight Each, Lbs.	2½	2¼	2
Each	$2 95	2.80	2.60

These Planes will lie perfectly flat on either side and can be used with right or left hand while planing into corners or up against perpendicular surfaces They are fitted with a spur and a detachable depth gauge

One in a Box

STANLEY IMPROVED RABBET AND FILLETSTER

Japanned Iron Stock, Two Spurs and Adjustable Depth Gauge

This Plane will lie perfectly flat on either side and has an adjustable fence for regulating width of cut

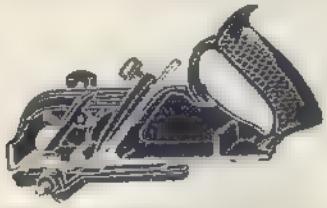
It is fitted with two spurs and an adjustable depth gauge.

The front part of the plane can be detached for bull nose work. The cutter is adjustable endwise. Each

No. 278—6¾ in. Long, 1 in. Cutter, Weight Each 2 Lbs. $3.20

One in a Box.

STANLEY DUPLEX, FILLETSTER AND RABBET



With Adjustable Depth Gauge

Japanned Iron Frame, Adjustable Fence, Detachable Depth Gauge Each

No. 78—8½ in. Long, 1⅛ in. Cutter, Weight Each 3 Lbs. $3.20

These Planes have two seats for the cutters, one for regular work and the other where a bull nose is required The adjustable fence can be used on either side and slides under the bottom, regulating the width of the cut. To work same as a rabbet plane, remove fence and arm.

One in a Box.

STANLEY ALUMINUM DUPLEX FILLETSTER AND RABBET

With Adjustable Depth Gauge

Similar in design to the Regular No 78 Stanley Iron Plane. Being made of Aluminum it is exceptionally light and will not rust. Each

No. A78—8½ in. Long, 1½ in. Cutter, Weight Each 1¼ Lbs. $4.20

One in a Box

ADJUSTABLE IRON PLANES

STANLEY HANDLED IRON DADO

With Adjustable Depth Gauge

Japanned Iron Stock, 8 in Long, with Skew Cutters and Two Adjustable Spurs.

Nos.	39¼	39⅜	39½	39⅝
Length, Inches	8	8	8	8
Width, Inches	¼	⅜	½	⅝
Weight Each, Lbs.	1¾	1¾	1¾	2
Each	$2 90	3.10	3.30	3 45
Nos.		39¾	39⅞	391
Length, Inches		8	8	8
Width, Inches		¾	⅞	1
Weight Each, Lbs.		2	2¼	2¼
Each		$3.60	3.80	3.95

One in a Box

STANLEY SCRUB

Round Edge Bit

Japanned Iron Frame, Beechwood Handle and Knob. Each

No. 40—8½ in. Long, 1⅛ in Cutter, Weight Each 2½ Lbs. $2 45

No. 40½—10½ in. Long, 1½ in. Cutter, Weight Each 2½ Lbs. 3 25

For planing down to a rough dimension any board that is too wide to conveniently rip with a hand saw. Thas is made possible by reason of the peculiar shape of the extra heavy cutter.

One in a Box

STANLEY EDGE TRIMMING

Japanned Iron Body, English Steel Cutter Each

No. 95—6 in. Long, ⅞ in Cutter, Weight Each 1¼ Lbs. $1.90

For trimming or smoothing the edge of boards for a square or close fit. The cutter works on a skew Wood blocks of various bevels may be attached enabling the user to make a slanting cut

One in a Box

STANLEY BELT MAKERS

With Adjustable Throat

Japanned Iron Body, Hardwood Handle, Cutter Adjustable Endwise. Each

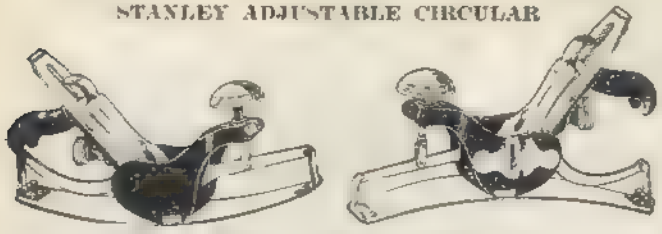
No. 11—5¾ in. Long, 2⅜ in. Cutter, Weight Each 3½ Lbs. $4 30

This Plane is used for chamfering down the ends of belts before fastening them together

One in a Box.

ADJUSTABLE IRON PLANES

STANLEY ADJUSTABLE CIRCULAR



With Graduated Scale for Setting Face

Japanned Iron Frame, Nickel Plated Trimmings. Each

No. 113—10 in. Long, 1¾ in. Cutter, Weight Each 3½ Lbs. **$7.45**

This plane has a flexible steel face which can be accurately adjusted for planing the inside or outside of circles.

The face is fastened at its center to the plane body, and adjusted at the ends by means of a screw and levers.

One in a Box

VICTOR ADJUSTABLE

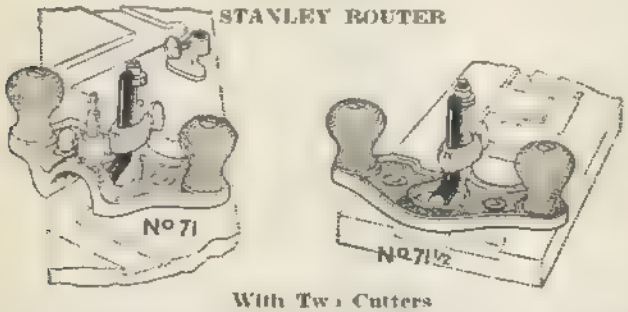
For Inside or Outside Circles

Black Japanned Finish, Cutters adjustable endwise and sidewise. Center Screw Adjustment with Stop. Each

No. 20—10 in Long 1¾ in. Cutter, Weight Each 4 Lbs. **$9 15**

One in a Box

STANLEY ROUTER



With Two Cutters

For surfacing the bottom of grooves or other depressions parallel with the surface of the work. A wooden bottom of any size can be attached, enabling the user to router on large openings. A ¼ and ½ in. cutter and a patented smoothing cutter furnished with each plane. Each

No. 71—Open Throat, 7½ in. Long, Nickel Plated Beech Handles with Cutters and Attachments for Closing Throat on Narrow Surfaces and Regulating Depth of Cut, Weight Each 2⅝ Lbs **$4 10**

No. 71½—Closed Throat, 7½ in. Long, Nickel Plated Complete with Cutters, Weight Each 2⅛ Lbs.. **3.20**

One in a Box.

STANLEY CORE BOX
With One Pair of Sections

Nickel Plated Iron Frame, Beechwood Handle and Knob

For making Circular Core Boxes either Straight or Tapered. The Sides of the Plane are at right angles, consequently the point of the Plane will always cut on the circumference of the circle when the sides rest on the edges of the cut

Adapted for large Core Boxes, working Semi-circles from 1 to 2½ in. diameter, and with extra sizes up to 5 in. diameter. Each

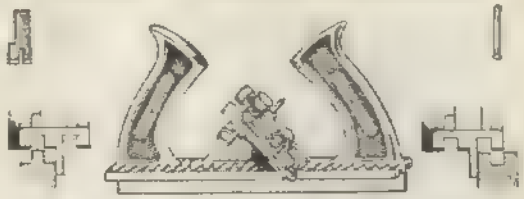
No. 57—10 in Long, ⅞ in. Cutter, Weight Each 6¾ Lbs. **$8 65**

Per Pair

Additional Sides—Each Pair Adding 2½ in. to Diameter of Semi-circle..... **$1 90**

ADJUSTABLE IRON PLANES

STANLEY DOUBLE END MATCHING



Nickel Plated Iron Handles and Body

These Planes have two cutters, a plow, and a tongue tool, both governed by one permanent fence. The tongue tool has one edge wider than the other, which overhangs one side when tonguing on center. Both tongue and groove are cut by working the tool in the same direction, by merely reversing it end for end

Each

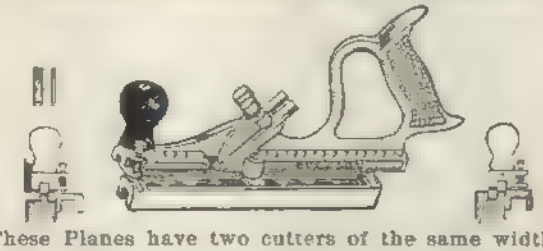
No. 146—Cuts ⅛ in Groove on ⅜ to ½ in. Boards, Centers on ⅜ in., Weight Each 1½ Lbs **$4 00**

No. 147—Cuts ¼ in. Groove on ½ to ⅝ in. Boards, Centers on ⅝ in., Weight Each 1⅞ Lbs **4 25**

No. 148—Cuts ½ in. Groove on ¾ to 1 in. Boards, Centers on ⅞ in., Weight Each 2⅜ Lbs..... **4.50**

One in a Box.

STANLEY SWINGING FENCE MATCHING



These Planes have two cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is used when cutting the tongue.

Each

No. 48—Cuts ⅜ in. Groove on Boards ¾ to 1¾ in., Centers on ⅞ in., Weight Each 3¾ Lbs..... **$5 30**

No. 49—Cuts ⅛ in. Groove on Boards ⅛ to ¾ in Centers on ½ in., Weight Each 2⅜ Lbs..... **5.30**

One in a Box.

STANLEY DOVETAIL TONGUE AND GROOVE

The Only Plane Manufactured That Will Cut a Dovetail.

Each

No. 444—9 in Long, Nickel Plated, Wt. Each 6 Lbs..**$10.95**

It will cut any size grooves and tongues to fit with sides at flare of 20 degrees, where the width of the neck is more than one-quarter of an inch and the depth of groove not more than three-quarters of an inch. The tongue and groove are cut separately and can be made with parallel or tapering sides

Its compactness is shown in the illustration, where the cut on the left shows the plane assembled for cutting the tongue, and that on the right for cutting the groove. A circular containing complete instructions for assembling and operating is packed with each tool.

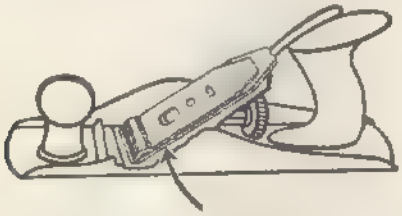
One in a Box

READY EDGE PLANE BLADES

STANLEY

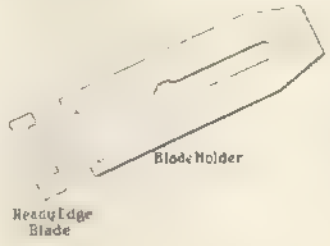
These Blades assure a sharp cutting edge. Whenever an old blade becomes dull a new one can be quickly substituted.

Stanley Ready Edge Blades are furnished with Special Double Plane Irons in the 1¾, 2 and 2⅜ in. sizes for use on the regular Stanley Bailey, Bed Rock and Aluminum Planes



Ready Edge Blade and Double Iron in Position.

Stanley Ready Edge Blades are attached by screws to specially constructed blade holders. A plane iron cap of special design fits over this and is held in place by a cap screw. Thus assembled it can be applied for use in the Regular Stanley Bailey, Bed Rock and Aluminum Planes.



Display Carton

Size 6½ in. Long, 7 in Wide. Contains 6 Individual Boxes Four of 2 in. Size, One Each 1¾ in. and 2⅜ in. Sizes.

Individual Box (2 in Size), 6 in. Long, 2⅛ in. Wide.
Contains 1 Double Iron Blade and 5 Small Cutters

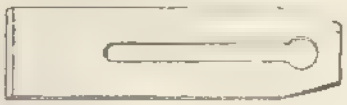
Small Package of 5 Blades Contained in Each Ready Edge Double Iron Box.

	Each
Display Carton—Containing 6 Blades and 6 Sets of Ready Edges	$12.00
	Per Set
Individual Boxes—Containing 1 Blade and 1 Set of Ready Edges, Furnished 1¾, 2 or 2⅜ in. Wide for Use on Regular Stanley or Bed Rock Planes	$2.00
Ready Edge Blades—5 Edges for Use with Patent Blade Holder, Furnished 1¾, 2 or 2⅜ in. Wide.	.85

These Ready Edge Plane Bits save time and money for the mechanic. A sharp edge is always ready for use.

PLANE IRONS

BAILEY SINGLE



For "Bed Rock" and "Bailey" Iron and Wood Planes

Width, Inches	1¼	1⅝	1¾	2
Each	$0.45	.55	.60	.65
Width, Inches	**2⅛**	**2¼**	**2⅜**	**2⅝**
Each	$0.70	.75	.80	.80

Numbers of Planes Each Plane Iron Will Fit

1¼ in. for Plane No. 1
1⅝ in. for Plane Nos. 2, 2C, 602, 602C
1¾ in. for Plane Nos. 3, 3C, 5¼, 5¼C, 20, 22, 25, 113, 603, 603C.
2 in. for Plane Nos. 4, 4C, 5, 5C, 9, 24, 26, 35, 604, 604C, 605, 605C
2⅛ in. for Plane Nos. 10, 10¼, 10½
2¼ in. for Plane Nos. 5½, 5½C, 27½, 605½, 605½C.
2⅜ in. for Plane Nos. 4½, 4½C, 6, 6C, 7, 7C, 11, 28, 31, 36, 604½, 604½C, 606, 606C, 607, 607C.
2⅝ in. for Plane Nos. 8, 8C, 32, 37, 608, 608C.

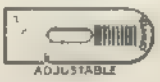
BAILEY DOUBLE

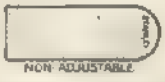
For "Bed Rock" and "Bailey" Iron and Wood Planes

Width, In...	1¼	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Each	$0.80	.90	1.00	1 10	1.15	1 20	1.25	1 30

All Above, Six in a Box.

STANLEY AND BAILEY BLOCK

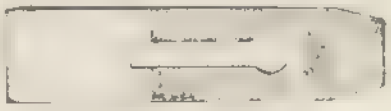




For Plane Nos.	100	101	102	103	110	120	220
Width, Inches..	1	1	1⅜	1⅜	1⅝	1⅜	1⅝
Each	$0 12	.12	20	20	30	45	45
For Plane Nos.	**130**	**131**	**140**	**9½**	**15**	**16**	**17**
Width, Inches..	1⅝	1⅝	1¾	1⅝	1⅝	1⅝	1⅝
Each	$0 20	.20	50	45	45	45	45
For Plane Nos.		**18**	**19**	**60**	**60½**	**65**	**65½**
Width, Inches		1⅜	1⅝	1⅜	1⅜	1⅝	1⅝
Each		$0 45	45	45	45	.45	.45

CUT PLANE IRONS

BUCK BROS. SINGLE



No. 30—Forged from Highest Grade Cast Steel

Width, In...	1¾	2	2⅛	2¼	2⅜	2½	2⅝
Per Dozen ..	$6.65	7.65	8 00	9 00	10 00	10 60	12 00

BUCK BROS. DOUBLE

No. 60—Forged from Highest Grade Cast Steel

Width, In..	1¾	2	2⅛	2¼	2⅜	2½	2⅝
Per Dozen..	$12 60	14 00	14 60	16 00	17.60	18 70	20 50

PLANE IRONS

SIEGLEY SINGLE

Cast Steel, Polished, for Siegley Iron Planes

Width, Inches	2	2¼	2⅜	2½
Each	$1.00	1.10	1.20	1.25

Six in a Box.

BUCK BROTHERS TOOTH

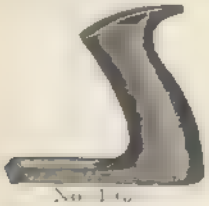
Forged from Highest Grade Cast Steel

Made in three Cuts, Fine, Medium and Coarse.

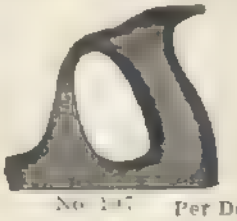
Width, Inches	2	2¾
Per Dozen	$12.00	13.50

Note—Always state Cut required when ordering.

COMMON WOOD PLANE HANDLES



No. 196



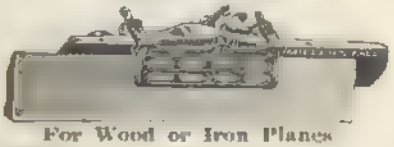
No. 197

	Per Dozen
No. 195—Jack	$1 90
No. 197—Fore	3.36

One Dozen in a Box

JOINTER GAUGES

MILLERS FALLS



For Wood or Iron Planes

Black Enameled Iron, Flat Surface Nickel Plated

Each

No. 88—9 in. Long, Weight Each 2¼ Lbs. $2 30

Adjustable to any bevel. Can be attached to any wood or iron Jack, Fore or Jointer Plane, and enables the operator to accurately plane bevels of any desired angle or to make even joints without using a Try Square or Bevel

One in a Box

STANLEY

Enables the workman to plane bevels of any angle between 30 and 90 degrees or to square up the edges of boards with extreme accuracy. A Hole is bored in each end of the Gauge so that a Wood Face of any desired size may be attached, thus providing a bearing surface longer or wider than the face of the gauge itself

Each

No. 386—For Iron Planes, Iron and Steel Construction, Nickel Plated, Weight Each 2¼ Lbs. $2 35

One in a Box

CHISEL GRINDERS

STANLEY

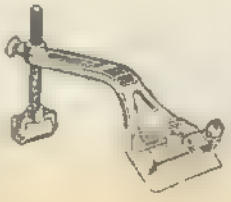
For Grinding Cutters and Chisels

Tools may be ground to any desired bevel. The tool to be sharpened is rigidly held in the grinder by thumb screws.

Each

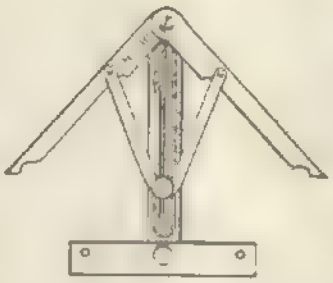
No. 200 — All Metal, Nickel Plated, Weight Each 1⅝ Lbs. $1 60

One in a Box



ANGLE DIVIDERS

STANLEY



Iron Body, Pressed Steel Arms, Full Nickel Plated

Each

No. 30—Length Over All 7⅝ in., Length of Arms 6 in., Length of T Head 4 in., Weight Each 1½ Lbs $2.20

Designed for bisecting or dividing any angle, and for fitting mouldings or other woodwork into odd angles.

One in a Box

SLIDING T BEVELS

STANLEY WOOD HANDLE

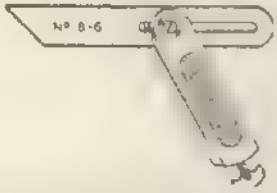
No. 25—Rosewood Handle

Blued Steel Blade, Brass Tipped Handle, Flush Brass Lever Adjustment

Length Blade, In.	6	8	10	12	14
Length Handle, In	4¾	7⅛	7⅜	8⅛	10¼
Weight Dozen, Lbs	2½	3½	4½	5¾	7
Per Dozen	$7.20	8 40	8 40	9 60	10 20

One-half Dozen in a Box.

STANLEY METAL HANDLE



No. 18—Nickel Plated Handle and Blade

Thumb Screw Adjustment, Prevents Slipping.

Length of Blade, Inches	6	8	10
Length of Handle, Inches	4⅛	5⅛	6¼
Weight Per Dozen, Lbs.	4¾	6¾	7
Per Dozen	$10 80	13 80	15 00

One-half Dozen in a Box

STAIR GAUGE FIXTURES

STARRETT

For Use with Carpenters Steel Squares

A pair of these fixtures can be readily clamped to a carpenter's steel square to form a gauge for various uses. Sketch A shows the gauge as applied for laying out a stair stringer; Sketch B, laying off hexagon angles; Sketch C as used as a Center Gauge or in quartering a circle. These fixtures are light, neat, efficient and low priced.

Per Pair

No. 111—Fixtures $0 90

One Pair in a Box.

GREAT AMERICAN NAIL HAMMER

Octagon Head and Handle

Full Polished, Octagon Face and Neck with Full Octagon Handle Forged of very High Grade Steel, with Tempered Claws, Filed so that they will Pull from the Smallest Brad to the Largest Nail that will Fit in the Claw. Selected all White Octagon Hickory Handles.

Per Dozen

No. GA—Size 1½..... .

Packed Individually. One in a Box.

MAYDOLE HAMMERS
Nail

Solid Crucible Cast Steel; Perfectly Tempered; Polished, Selected Second Growth Hickory Handle.

Plain Poll and Face

Regular Claw, Adze Eye. Select Polished Hickory Handle.

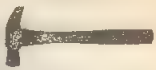
Nos.	Weight Without Handle	Per Dozen
1	1 lb. 4 oz.	
1½	1 lb.	
2	13 oz.	

Round Neck and Poll, Bell Face

Regular Claw, Adze Eye. Select Polished Hickory Handle.

Nos.	Weight Without Handle	Per Dozen
11	1 lb. 3 oz.	
11½	1 lb.	
12	5 oz.	
12½	10 oz.	
13	7 oz.	

Ripping or Straight Claw, Polished

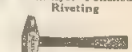


Select Polished Hickory Handle

Nos.	Weight Without Handle	Per Dozen
701	1 lb. 4 oz.	
701½	1 lb.	

Nos.	Weight Without Handle	Per Dozen
711	1 lb. 3 oz.	
711½	1 lb.	
712	12 oz.	

Plain Eye. Polished Riveting



Extra Quality, Solid Crucible Steel. Fine Finish. Hickory Handles.

No.	Weight	Per Dozen
M41	1 lb. 2 oz.	

STANLEY NAIL HAMMERS
With the Red Neck

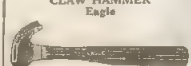
Made of a Special Steel, Carefully Forged, Hardened and Tempered. The Handles are of Selected Second Growth White Hickory, Beautifully Polished, with Red Octagon Neck. Round Poll, Curved Claw and Bell Face, Size 1½ 13 Inches Over All

Each

No. 18

One in a box. Weight each, about 16 ozs

Special CLAW HAMMER Eagle



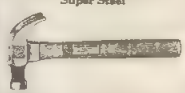
Cast Steel Polished Face Claw and Sides All Wire Handle Length over All 11 Ins. Weight 5 Ozs.

Per Dozen

No. E5

One dozen in a box

NAIL HAMMER
Vaughan and Bushnell Super Steel



Vaughan and Bushnell Super-Steel Nail Hammer. Drop Forged of Refined Super-Steel, Tempered Face and Claws. Claws Filed to Prevent Slipping When Pulling Nails. Polished Black Enameled Poll and Eye. Claws Two Toned Second Growth Hickory Handle

Size	Weight	Per Dozen
1	16 ozs.	

No. S51 1¼

Six in a box, six dozen in a case

We Want Your Mail Orders

STANLEY HAMMER ASSORTMENTS

Back View

Front View

HAMMERS

An Assortment of One Dozen Stanley Hammers and Stained Wood Display Stand with Rack for Holding Hammers on Both Sides

Stanley Hammers in this Assortment are made of Special Steel, Carefully Forged, Hardened and Tempered. Handles are Selected Second Growth White Hickory

Assortment Contains

2—No. 61 24 Oz. Bricklayers Hammers.
2—No. 147— 9 Oz. Riveting Hammers.
2—No. 147— 7 Oz. Riveting Hammers.
3—No. 36—16 Oz. Ball Pein Hammers.
3—No. 35—12 Oz. Ball Pein Hammers.
3—No. 35— 8 Oz. Ball Pein Hammers.

Per Assortment

No. R. . . . . .

Back View

Front View

NAIL HAMMERS

An Assortment of One-Half Dozen Stanley Nail Hammers and Stained Wood Display Board with Rack for Holding Hammers on Both Sides

Stanley Nail Hammers in this Assortment are Made from Special Steel, Carefully Forged, Hardened and Tempered. Handles are Selected Second Growth White Hickory

Assortment Contains

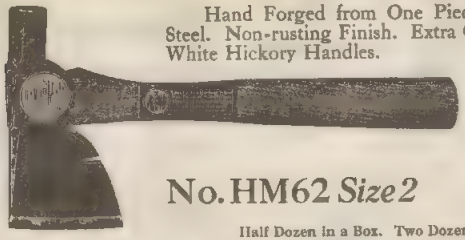
2—No. 12 16 Oz. Hammers.
1—No. 13—13 Oz. Hammers.
1—No. 22 10 Oz. Hammers.

Per Assortment

No. P. . . . . .

A Hand Forged Hatchet of Special Merit

Non-Rusting Finish



Hand Made Half Hatchets

Hand Forged from One Piece of Solid Too Steel. Non-rusting Finish. Extra Quality. Selected White Hickory Handles.

Per Dozen

No. HM62 *Size 2*

Half Dozen in a Box. Two Dozen in a Case.

Great American House and Boy's Handled Axes

Heads DROP FORGED from Special Analysis Steel (Not Cast). Guaranteed Quality. Black Rustless Finish, with Polished Cutting Edge. Selected Handles, Stained Forest Green, Gloss Finish. Attractively Labelled "Great American".

HOUSE AXE

Per Dozen

No. GA22 *Handle 19 Inches Long—Head Weighs 2 lbs.*

BOY'S HANDLED AXE

Heads DROP FORGED from Special Analysis Steel (Not Cast). Guaranteed Quality. Black Rustless Finish, with Polished Cutting Edge. Selected Handles, Stained Forest Green, Gloss Finish. Attractively Labelled "Great American".

Each Per Dozen

No. GA2 *Handle 28 Inches Long—Head Weighs 2 lbs.*

STANLEY TOOL CABINETS, CHESTS AND BOXES

Cabinet No. 850

Cabinet is Made of Oak with a Rich Dark Stain, and Well Varnished. Drawer at Base of Cabinet.

8¼ Inches Deep, 29 Inches High, and 25 Inches Wide. Weight 72 Lbs.

Contains 50 Tools as Follows

1 Hammer 13 Oz., No. 14
1 Hammer 4 Oz., No. 147
1 Saw Hand, 22 In.
1 Saw Rip, 22 In.
1 Saw Buck, 10 In., No. 4
1 Saw Keyhole, No. 95
1 Saw (Coping, with 6 Extra Blades, No. 301)
1 Screw Driver 4 In., No. 30
1 Screw Driver 4 In., No. 40
1 Screw Driver 8 In., No. 50
1 Screw Driver, 3 In., No. 121
1 Screw Driver, 1¾ In., No. 21
1 Rule (Zig Zag), 6 Ft., No. 108
1 Rule (Caliper), 6 In., No. 36
1 Plane (Bench), 11½ In., No. 8½
1 Plane (Block), 6 In., No. 15
1 Bit Brace, 8 In., No. 921
1 Expansive Bit, (Clark's)
1 Auger Bit, ¼ In.
1 Auger Bit, ⅜ In.
1 Auger Bit, ½ In.
1 Gimlet Bit No. 4
1 Gimlet Bit No. 6
1 Screw Driver Bit, ¼ In., No. 35
1 Screw Driver Bit, ⅜ In. No. 36
1 Countersink, No. 34
1 Bit Gauge No. 40
1 Chisel, ¼ In., No. 40
1 Chisel, ½ In., No. 40
1 Chisel, ¾ In., No. 40
1 Chisel, 1 In., No. 40
1 Cold Chisel, ½ x 6 In., No. 1A
1 Cold Chisel, ½ x 6 In., No. 1A
1 Vise, 1¾ In Jaws, No. 741
1 Combination Square, 8 In., No. 21
1 Bevel, 6 In., No. 18
1 Gauge (Marking & Mortise) No. 98
1 Spoke Shave No. 151
1 Plumb & Level, 10 In., No. 36G
1 Nail Set, 1/32 In. No. 1
1 Center Punch, 4 In. No. 10
1 Hand Drill No. 3
1 Hollow Handle Tool Set No. 305
Contains one each—Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and Six Brad Awls Assorted
1 Cornering Tool, Flat, No. 28
1 Cornering Tool, Half Round, No. 29
1 Pair Pliers No. 66
1 Pair Pliers No. 9
1 Adjustable Wrench, 6½ In., No. 6
1 Oil Can No. 66
1 Oil Stone No. 26

Each

No. 850—Cabinet and Tools

Cabinet No. 851

This Cabinet is Made of Oak with a Rich Dark Stain, and Well Varnished. Drawer at Bottom.

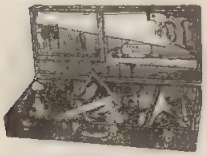
8 Inches Deep, 28½ Inches High, and 19½ Inches Wide. Weight 52 Lbs.

Contains 35 Tools as Follows

1 Hammer 13 Oz., No. 14
1 Hammer 4 Oz., No. 4
1 Saw (Hand, 20 In.
1 Saw Buck, 10 In. No. 4
1 Saw Keyhole, No. 1
1 Saw (Coping, with 12 Extra Blades, No. 15)
1 Screw Driver 3 In., No. 20
1 Screw Driver 4 In., No. 40
1 Screw Driver 8 In., No. 50
1 Rule (Zig Zag, 5 Ft. No. 5
1 Plane (Bench, 11½ In., No. 8½
1 Plane (Block, 6 In., No. 60
1 Scraper No. 80
1 Bit Brace, 8 In. No. 915
1 Auger Bit, ¼ In.
1 Auger Bit, ⅜ In.
1 Auger Bit, ½ In.
1 Gimlet Bit No. 6
1 Screw Driver Bit, ⅜ In. No. 2
1 Bit Gauge No. 40
1 Chisel, ¼ In., No. 40
1 Chisel, ½ In., No. 40
1 Chisel, 1 In., No. 40
1 Cold Chisel, ½ x 6 In., No. 1A
1 Vise, 1¾ In. Jaws, No. 741
1 Gauge (Marking and Mortise) No. 98
1 Combination Square, 8 In., No. 21
1 Level, 6 In., No. 18
1 Spoke Shave No. 151
1 Plumb & Level, 10 In., No. 36G
1 Nail Set, 1/32 In. No. 1
1 Center Punch, 4 In. No. 10
1 Hollow Handle Tool Set No. 305
Contains one each—Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and Six Brad Awls Assorted
1 Pair Pliers No. 66
1 Oil Stone No. 26

Each

No. 851—Cabinet and Tools



Chest No. 902

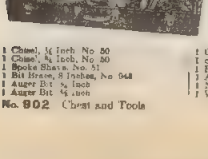
Made of Hardwood, Finished in a Dark Stain and Varnished.

10½ Inches Wide, 4¾ Inches Deep, 9½ Inches Long. Weight 20 Lbs.

Contains 20 Tools as Follows

1 Hammer 13 Ounces, No. 12
1 Screw Driver, 3 Inches No. 20
1 Screw Driver, 3 Inches No. 50
1 Rule (Zig Zag, 4 Feet, No. 74
1 Saw (Hand), 20 Inches
1 Try and Mitre Square, 7½ Inches, No. 2
1 Marking Gauge No. 82
1 Plane (Bench, 8 Inches, No. 3
1 Gimlet Bit, No. 6
1 Screw Driver Bit, ⅜ Inch, No. 36
1 Pair Pliers
1 Awl No. 1
1 Nail Set No. 11
1 Vise No. 741

Each



1 Chisel, ¼ Inch, No. 50
1 Chisel, ½ Inch, No. 50
1 Spoke Shave, No. 51
1 Bit Brace, 8 Inches, No. 948
1 Auger Bit, ¼ Inch
1 Auger Bit, ⅜ Inch

No. 902—Chest and Tools

Cabinet No. 852

Made in Oak, Finished in a Dark Stain and Varnished. Sides Set In Joints Nailed and Glued. There are Three Hinges, a Lock and a Carrying Handle.

14 Inches Wide, 6½ Inches Deep, 22 Inches High. Weight 22 Lbs.

Contains 30 Tools as Follows

1 Hammer, 13 Ounces, No. 12
1 Screw Driver, 6 Inches, No. 20
1 Screw Driver, 3 Inches, No. 50
1 Rule (Zig Zag), 4 Feet, No. 04
1 Saw Hand, 18 Inches
1 Plane (Bench), 8 Inches, No. 3
1 Chisel, ¼ Inch, No. 40
1 Chisel, ½ Inch, No. 40
1 Spoke Shave No. 5
1 Bit Brace, 8 Inches, No. 945
1 Auger Bit, ¼ Inch
1 Auger Bit, ⅜ Inch
1 Auger Bit, ½ Inch
1 Gimlet Bit No. 6
1 Screw Driver Bit, ⅜ Inch, No. 26
1 Try and Mitre Square, 6 Inches, No. 21
1 Nail Set, 1/32 Inch, No. 11
1 Pair Pliers
1 Hollow Handle Tool Set No. 308
Contains One Each—Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and six Brad Awls Assorted.
1 Vise No. 741

Each

No. 852—Cabinet and Tools

1 Chisel, ¾ Inch, No. 50
1 Bit Brace, 8 Inches, No. 948
1 Auger Bit, ¼ Inch
1 Auger Bit, ½ Inch

No. 903—Chest and Tools

Chest No. 903

Made of Hardwood, Finished in a Dark Stain and Varnished. Tops and Bottoms Set In. Joints Nailed and Glued. There are Three Hinges, Two Catches and a Carrying Handle.

11¾ Inches Wide, 4 Inches Deep, 21 Inches Long. Weight 16 Lbs.

Contains 17 Tools as Follows:

1 Hammer, 3 Ounces, No. 48
1 Screw Driver, 3 Inches, No. 20
1 Screw Driver, 3 Inches, No. 50
1 Rule (Zig Zag), 4 Feet, No. 74
1 Saw Hand, 16 Inches
1 Try and Mitre Square, 7½ Inches, No. 2
1 Marking Gauge No. 82
1 Plane (Block), 7 Inches, No. 220
1 Chisel, ½ Inch, No. 50
1 Gimlet Bit, No. 6
1 Screw Driver Bit, ⅜ Inch, No. 36
1 Awl No. 1
1 Vise No. 741

Each

No. 903—Chest and Tools

Chest No. 904

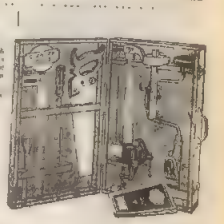
Made of Hardwood, Finished in a Dark Stain and Varnished. Tops and Bottoms Set In. Joints Nailed and Glued. There are Three Hinges, Two Catches and a Carrying Handle.

11¾ Inches Wide, 4 Inches Deep, 19½ Inches Long. Weight 15 Lbs.

Contains 12 Tools as Follows

1 Hammer, 10 Ounces, No. 12
1 Screw Driver, 4 Inches, No. 72
1 Rule, 6 Feet No. 66A
1 Saw (Hand), 16 Inches
1 Try Square, 4½ Inches, No. 20
1 Marking Gauge No. 82
1 Plane (Block), 6 Inches, No. 102
1 Gimlet, 2½ Inch No. 50
1 Bit Brace, 8 Inches, No. 920
1 Auger Bit, ¼ Inch
1 Auger Bit, ½ Inch
1 Vise No. 741

Each



No. 904—Chest and Tools

GREEN LINE OF TOOL CHESTS

Each Chest has the Best of Material and Workmanship.

Carpenter's Shoulder Chest.

Wood-lined, covered with Olive Green Baked Enamel Steel. Edges Bound with Extra-Heavy-Gauge Steel Angle, in Same Finish Extra-Heavy Lock and Draw Bolts. All Hardware is Heavy Material, Brassed. Heavy Leather Ring Handle. Sturdy Construction Throughout. Saw Bracket in Lid for 3 Saws. Size 8 x 8 x22 Inches.

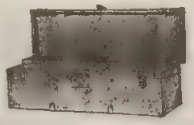
Each

No. 80-32 . . . . . .

One in a Carton
Net Weight, 12 Lbs.

Householder's General Tool Case.

Wood-Lined, Covered with Olive Green Baked Enamel Steel. Edges Bound with Extra-Heavy Gauge Steel Angle in Same Finish. Has Extra-Heavy Lock and Hardware, Brass-Finished, and Heavy Leather Ring Handle. Accommodates a 20 Inch Saw and All the Tools and Tinkering Equipment the Householder Needs. Has Tray for Bolts Nuts, Washers, Screws Nails and Other Miscellaneous Pieces so Frequently Needed and Seldom at Hand Size 8 x 8 x 25 Inches.



Each

No. 70-25. . . . . .

One in a Carton
Net Weight, 11 Lbs

General Mechanic's Case.

An Extremely Sturdy and Practical Case for Any General Use. Wood-Lined, Covered with Olive Green Baked Enamel Steel, Bound on All Edges with Extra-Heavy-Gauge Steel Angle in Same Finish. Extra Heavy Lock and Hardware—Brass-Finished Steel Hinges. Heavy Leather Ring Handle. Convenient Tray. Size 8 x 8 x 20 Inches.

Each

No. 70-20 . . . . . .

One in a Carton
Net Weight, 8¼ Lbs.

Machinist's and Pattern Maker's Case.

Side-Opening. Lid Slides Into Bottom of Case when Open. Has 5 Drawers with Cloth-lined Bottoms. Case is Wood-lined, Covered with Olive Green Baked Enamel Steel. Edges Bound with Extra-Heavy Lock and Bolts—Brass Finished. Heavy Leather Ring Handle. Sturdy Construction Throughout. Size 12½ x 8 x 20 Inches.

Each

No. 130-20 . . . . . .

One in a Carton
Net Weight, 16 Lbs.

Carpenter's Suit Case Chest.

Side-Opening, Wood-Lined, Covered with Olive Green Baked Enamel Steel Edges Bound with Extra-Heavy-Gauge Steel Angle, in Same Finish Extra-Heavy Lock and Hardware-Brass-Finished Heavy Leather Ring Handle Sturdily Built Throughout. Has Brackets for Level and Saws Convement Tray. Room for Square and All Tools a Carpenter or Pattern Maker Needs. Size 16¾ x 6¾ x 32 Inches

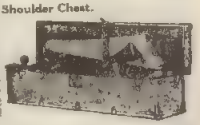
Each

No. 90-32 . . . . . .

One in a Carton
Net Weight, 18½ Lbs.

Carpenter's Shoulder Chest.

An Exceptionally Sturdy, Practical Case Made to Meet the Popular Demand for an Inexpensive Tool Case. Wood-Lined, Covered with Olive Green Baked Enamel Steel. Edges Bound with Extra-Heavy-Gauge Steel Angle in Same Finish. Same as No. 80-32 Except it has Lighter Lock and Bolts. Size 8 x 8 x 22 Inches.



Each

No. 85-32 . . . . . .

One in a Carton
Net Weight, 11¾ Lbs.

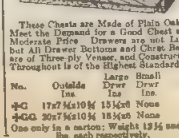
TOOL CHESTS
Union

Machinist's Tool Chest

Made of Thoroughly Seasoned and Properly Kiln Dried Selected Quartered White Oak and Has Paneled Back and Front. The Till and Till Cover are Lined with Dark Green Felt and all Drawers are Lined, Bottoms Only. The Tul. Top Has Oval Mirror in Metal Frame. All Drawer Bottoms are of 3-Ply Veneer.

No.	Outside Ins.	Large Drwr Ins.	Small Drwrs Ins.	Each
✣S	17x8x12⅝	15⅜x6 7	x6	
✣SS	20x8x12⅝	18⅜x6	8¼x6	

One only in a carton. Weight 15¼ and 17¼ lbs. each respectively



These Chests are Made of Plain Oak to Meet the Demand for a Good Chest at a Moderate Price Drawers are not Lined but All Drawer Bottoms and Chest Bases are of Three-ply Veneer, and Construction Throughout is of the Highest Standard.

No.	Outside Ins	Large Drwr Ins	Small Drwr Ins	Ea.
✣G	17x7¾x10⅝	15¼x6	None	
✣GG	20x7¾x10⅝	18¼x6	None	

One only in a carton; Weight 13¼ and 14 lbs. each respectively.

✣For shipment from factory only.

TOOL CHESTS
Union

Machinist's Tool Chest

Made of Quartered White Oak. All Drawers are Lined with Good Felt, and Have 3-Ply Veneer Bottoms.

No.	Outside Ins.	Lg. Drw. Dr. Ins.	Sm. Drw. Dr. Ins.	Each
✣DD	17x7¾x10⅝	15¼x6	7x6	

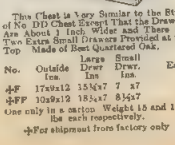
This Chest is Also Made in Leatherette Covered and is Known as:

Each

✣No. DDL . . . . . .

One only in a carton weighing about 18 lbs. each

Machinist's Tool Chest



This Chest is Very Similar to the Style of No DD Chest Except That the Drawers Are About 1 Inch Wider and There are Two Extra Small Drawers Provided at the Top Made of Best Quartered Oak.

No.	Outside Ins	Large Drwr Ins	Small Drwr. Ins.	Each
✣F	17x9x12	15¼x7	7 x7	
✣FF	10x9x12	18¼x7	8¼x7	

One only in a carton Weight 15 and 16½ lbs each respectively.

✣For shipment from factory only

TOOL CABINETS

STANLEY

Equipped with Stanley High Grade Tools

Each

No. 851—Contains 35 Stanley Tools, Put Up in Rich Dark Stained Oak Cabinet 26½ in. High, 19½ in. Wide, and 8 in. Deep, with Paneled Doors Hung on Brass Hinges and with Brass Lock, Drawer in Base for Holding Small Tools, Nails, etc., Weight 52 Lbs **$65 00**

Contents of No. 851 Cabinet

1 Hammer, 13 oz., No. 15.
1 Hammer, 4 oz., No. 147.
1 Saw (Hand), 20 in.
1 Saw (Back), 10 in., No. 4.
1 Saw (Keyhole), No. 1.
1 Saw (Coping), with 12 Blades.
1 Screw Driver, 5 in., No. 20
1 Screw Driver, 4 in., No. 40.
1 Screw Driver, 3 in. No. 50.
1 Rule (Zig Zag), 5 ft. No. 105.
1 Plane (Bench), 11½ in., No. 5½.
1 Plane (Block), 6 in., No. 60.
1 Scraper, No. 80.
1 Bit Brace, 8 in., No. 915.
1 Auger Bit, ¼ in.
1 Auger Bit, ⅜ in.
1 Auger Bit, ½ in.
1 Gimlet Bit, No 6.
1 Screw Driver Bit, ⅞ in. No. 26.
1 Bit Gauge, No. 49.
1 Chisel, ¾ in., No. 40.
1 Chisel, ½ in., No. 40.
1 Chisel, 1 in., No. 40.
1 Cold Chisel, ½x6 in., No. 1A.
1 Vise, 1½ in. Jaws, No. 741.
1 Gauge (Marking and Mortise), No 98.
1 Combination Square, 9 in., No. 21.
1 Level, 5 in., No 25
1 Spoke Shave, No 151.
1 Plumb and Level, 18 in., No 36G.
1 Nail Set, 2/32 in., No. 11.
1 Hollow Handle Tool Set, No 305, Contains One Each, Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and Six Brad Awls Assorted.
1 Pair Pliers No. 66.
1 Oil Stone No. 29.

1 Package Corrugated Fasteners.

Equipped with Stanley High Grade Tools

Each

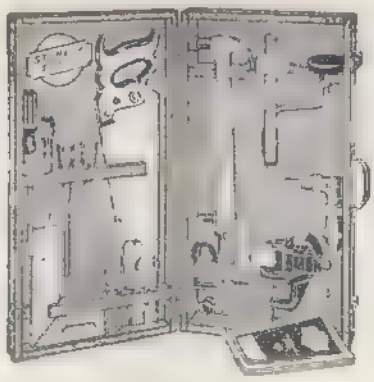
No. 862—Contains 20 Stanley Tools, Put Up in 14 in. Wide, 6¼ in. Deep, 22 in. Long Oak Cabinet, Finished in a Dark Stain and Varnished, Sides Set in, Joints Nailed and Glued, 3 Hinges, Lock and Carrying Handle, Weight Each 23 Lbs . **$35 00**

Contents of No. 862 Cabinet

1 Hammer, 13 oz., No. 13.
1 Screw Driver, 5 in., No 20.
1 Screw Driver 3 in. No. 50.
1 Rule (Zig Zag), 4 ft. No. 94.
1 Saw (Hand), 18 in
1 Plane (Bench), 8 in., No 3.
1 Chisel, ½ in., No. 40
1 Chisel ¾ in., No. 40
1 Spoke Shave, No 151
1 Bit Brace, 8 in., No. 945.
1 Auger Bit, ¼ in.
1 Auger Bit, ⅜ in.
1 Auger Bit, ½ in.
1 Gimlet Bit, No 6
1 Screw Driver Bit, ⅞ in., No. 26.
1 Pair Pliers.
1 Hollow Handle Tool Set, No 306, Contains One Each Chisel, Reamer, Scratch Awl, Screw Driver, Tack Puller, Belt Awl and Six Brad Awls Assorted.
1 Vise No. 741
1 Combination Square, 9 in., No 21
1 Nail Set, 2/32 in., No. 11

1 Package Corrugated Fasteners

TOOL CABINETS



STANLEY

Equipped with Stanley High Grade Tools

Each

No. 903—Contains 17 Stanley Tools, in Stained Oak Cabinet 21 in. Long, 11¼ in. Wide and 4 in. Deep, Tops and Bottom Set In, Joints Nailed and Glued, 3 Hinges, 2 Catches and Carrying Handle, Weight 16 Lbs. **$20.00**

Contents of No. 903 Cabinet

1 Hammer, 13 oz., No. 13.
1 Screw Driver, 5 in. No. 20.
1 Screw Driver, 3 in., No. 50.
1 Rule (Zig Zag), 4 ft., No. 94.
1 Saw (Hand) 16 in.
1 Try and Mitre Square, 7½ in., No. 2.
1 Marking Gauge, No. 62
1 Plane (Block), 7 in., No. 220.
1 Chisel, ¾ in., No. 50.
1 Chisel, ⅝ in., No 50.
1 Bit Brace, 8 in., No. 945.
1 Auger Bit, ¼ in.
1 Auger Bit, ⅜ in.
1 Gimlet Bit No 6
1 Screw Driver Bit, ⅞ in., No 26
1 Awl, No. 1.
1 Vise, No. 741.

1 Package Corrugated Fasteners

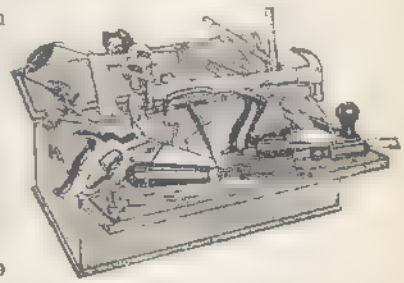
TOOL CHESTS

STANLEY

Equipped with Stanley High Grade Tools

Each

No. 888B — Contains 18 Stanley Tools in Stained Oak Chest, 20 in. Long, 10½ in. Wide, 8 in. Deep with Hinged Cover and Brass Carrying Handle. A Sliding Drawer Inside for Small Tools, Nails Etc., Weight 19 Lbs. **$15 00**



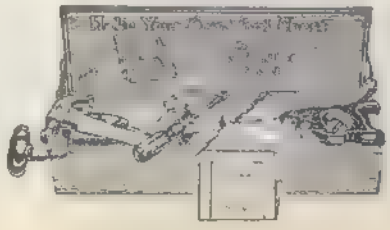
Contents of No. 888B Chest

1 Hammer, 13 oz., No. 13.
1 Saw Panel, 16 in.,
1 Saw (Coping) with 12 Extra Blades, No. 100.
1 Screw, Driver, 4 in., No. 20.
1 Rule (Zig Zag), 4 ft., No. 94.
1 Plane (Bench), 8 in., No. 3.
1 Bit Brace, 8 in. No. 945
1 Auger Bit, ¼ in
1 Auger Bit, ⅜ in.
1 Gimlet Bit, No 6.
1 Chisel ¾ in., No. 40
1 Cold Chisel, ½x6 in., No. 1A.
1 Carpenters Steel Square, 12 in., No 10
1 Hollow Handle Tool Set, No. 302, Contains One Each Gimlet, File, Saw, Chisel, Reamer, Screw Driver, 2 Brad Awls and with Extra 6½ in Saw.
1 Adjustable Pipe Wrench, 10 in
1 Pair Pliers.
1 Glass Cutter, No. 300
1 Sharpening Stone.

1 Package Corrugated Fasteners.

STANLEY TOOL ASSORTMENTS

Make Your Own Tool Chest

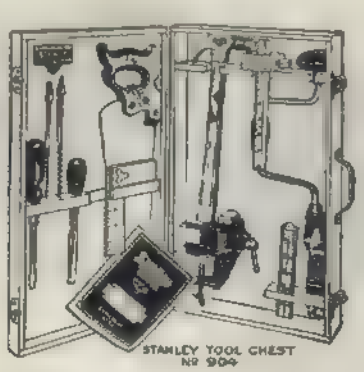


Each

No. 907—Assortment, 7 Tools in Cardboard Box, 1 Each 10 oz. Nail Hammer, 2 ft. Rule, 4 in. Screw Driver, 14 in. Hand Saw, 8 in. Bit Brace, ⅜ in. Auger Bit and Marking Gauge, Weight 4 Lbs. . **$3.00**

STANLEY TOOL CHESTS.

These Chests are made of wood, finished in dark mission stain They are sturdily constructed with three hinges and two clasps and a carrying handle All tools are held in place in wooden pockets or by especially constructed steel clips.



Net Each

Chest No. 904 ..... **$18.10**

Size 11¼ inches wide, 4 inches deep, 19¼ inches long. Weight, 12 lbs.

Contains the following 12 Stanley Tools:

1 Hammer	10 ounces	No.	13B
1 Screw Driver	4 inches	No.	70
1 Rule	2 feet	No.	68A
1 Saw	14 inches		
1 Try Square	4½ inches	No.	20
1 Marking Gauge		No.	61
1 Plane		No.	102
1 Chisel	½ inch	No.	50
1 Bit Brace	8 inches	No.	966
1 Auger Bit	⅜ inch		
1 Auger Bit	½ inch		
1 Vise		No.	741

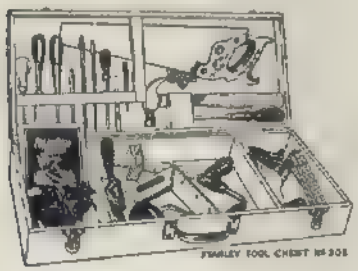
Net Each

Chest No. 908 ..... **$26.80**

Size 11¼ inches wide, 4 inches deep, 19¼ inches long. Weight, 14 lbs.

Contains the following 17 Stanley Tools:

1 Hammer	13 ounces	No	12
1 Screw Driver	5 inches	No.	20
1 Screw Driver	3 inches	No	50
1 Rule, Zig Zag	4 feet	No	04
1 Saw	14 inches		
1 Try and Mitre Square	7½ inches	No	2
1 Marking Gauge		No.	62
1 Plane		No.	220
1 Chisel	¾ inch	No	50
1 Chisel	½ inch	No	50
1 Bit Brace	8 inches	No.	945
1 Auger Bit	⅝ inch		
1 Auger Bit	¼ inch		
1 Gimlet Bit			
1 Screw Driver Bit	⅛ inch	No	26
1 Awl		No.	1
1 Vise		No.	741



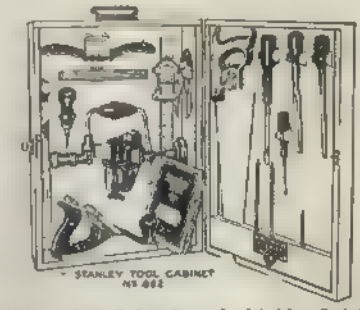
Net Each

Chest No. 902 ..... **$33.20**

Size 10½ inches wide, 4¼ inches deep, 24¾ inches long. Weight, 18 lbs.

Contains the following 20 Stanley Tools:

1 Hammer	13 ounces	No.	13
1 Screw Driver	5 inches	No.	20
1 Screw Driver	3 inches	No.	50
1 Rule, Zig Zag	4 feet	No.	04
1 Saw	16 inches		
1 Try and Mitre Square	7½ inches	No.	2
1 Marking Gauge		No.	62
1 Plane		No.	3
1 Chisel	¾ inch	No.	50
1 Chisel	½ inch	No.	50
1 Spoke Shave		No.	51
1 Bit Brace	8 inches	No.	945
1 Auger Bit	⅜ inch		
1 Auger Bit	½ inch		
1 Gimlet Bit			
1 Screw Driver Bit	⅛ inch	No.	26
1 Pair of Pliers			
1 Awl		No.	1
1 Nail Set		No.	11
1 Vise		No.	741



This Chest is made of hardwood, highly finished mission oak, equipped with a lock, three hinges and carrying handle.

Net Each

Chest No. 903 ..... **$42.10**

Size 14 inches wide, 6½ inches deep, 20 inches long. Weight, 19 lbs.

Contains the following 17 Stanley Tools:

1 Hammer	13 ounces	No.	12
1 Screw Driver	5 inches	No	20
1 Screw Driver	3 inches	No	50
1 Rule, Zig Zag	4 feet	No.	04
1 Saw	16 inches		
1 Plane		No.	3
1 Chisel	¾ inch	No.	40
1 Chisel	¼ inch	No.	40
1 Spoke Shave		No	151
1 Bit Brace	8 inches	No	945
1 Auger Bit	⅜ inch		
1 Auger Bit	¼ inch		
1 Gimlet Bit			
1 Pair of Pliers			
1 Hollow Handle Tool Set		No	306
1 Vise		No.	741
1 Odd Job		No.	1

STANLEY TOOL ASSORTMENTS.

The main idea in these assortments is to have something for the boy who is interested in making his own tool box and work bench

No. 906.

This assortment consists of 12 tools in a heavy attractive-appearing blue and white cardboard display box.

All of the tools are guaranteed best grade. In addition to the tools 3 sets of plans are furnished free of charge, instructing the boy as to how to make a large or small tool chest and work bench.

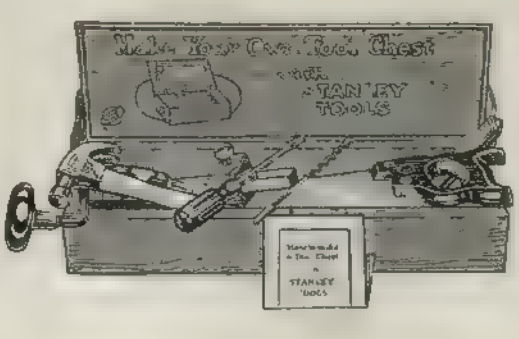
The assortment contains the following 12 tools:

1 Hammer, 13 oz., No. 12.
1 Rule, 2 ft., No. 68A.
1 Screw Driver, 4-in., No. 70.
1 Chisel, ⅜-in. socket, No. 440
1 Chisel, ¾-in. socket, No. 440.
1 Hand Saw, 14 in.
1 Block Plane, 7-in., No. 220.
1 Try Square, 4½-in., No. 20.
1 Marking Gauge, No. 61.
1 Bit Brace, 8 in., No. 965M.
1 Auger Bit, ¼-in.
1 Auger Bit, ⅜-in.
1 pkg. Wiggle Nails.
1 pair Stanley Hinges with screws.

Net per Assortment

NO. 906—Stanley Tool Assortment. Weight each, 6 lbs. $13.10

The display box is 18½ in. long, 7½ in. wide and 3 in. deep and is packed in a corrugated board container for protection in handling and shipping.



No. 907.

This assortment consists of seven tools in a heavy, attractive-appearing blue and white cardboard display box.

All the tools are guaranteed best grade. In addition to the tools three sets of plans are furnished free of charge, showing the boy how to make a large or small tool chest and work bench.

The assortment contains the following seven tools:

1 Hammer, 10-oz., No. 12.
1 Rule, 2-ft., No. 68A.
1 Screw Driver, 4-in., No. 70.
1 Bit Brace, 8-in., No. 966.
1 Auger Bit, ⅜-in
1 Marking Gauge, No. 61.
1 pkg. Stanley Wiggle Nails.
1 pair Stanley Hinges with screws.

Net per Assortment

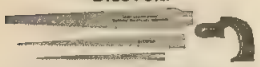
NO. 907—Stanley Tool Assortment. Weight each, 4 lbs.....$6.40

The display box is 18½ in. long, 7½ in. wide, 3 in deep and is packed in a corrugated board for protection and shipping

We commend to your special consideration Prairie Poultry and Field Fencing, an outstanding product of the American Steel & Wire Co.

NESTS OF SAWS.

DISSTON.



Consists of handle, tightener, and three blades—16 in. compass blade, 14 in. plumbers' blade for cutting wood in which nails may be embedded, lead pipe, etc., and 10 in. keyhole blade.

No. 7 Nest Complete. Wt. doz., 10 lbs. .....Dozen **$24 00**

One-third dozen in a box.

Extras.

Handle and tightener	Dozen	**$4 00**
Plumbers' blade, 14 in.	Dozen	**7 00**
Compass blade, 16 in.	Dozen	**6 00**
Compass blade, 14 in.	Dozen	**9 00**
Compass blade, 10 in.	Dozen	**4 00**
Compass blade, 12 in.	Dozen	**5 00**
Keyhole blade, 10 in.	Dozen	**4 00**

ATKINS.

Metal Cutting Blade.

No. 3. Adjustable handle; 12 in. keyhole blade, 14 in. compass blade and 18 in. nail cutting blade. Wt. doz., 14 lbs. .....Dozen **$36 00**

Extras.

18 in. Nail Cutting Blade.	Dozen	**$21 00**
12 in. Keyhole Blade.	Dozen	**5 00**
14 in. Compass Blade.	Dozen	**6 00**

One-third dozen in a box.

COPING SAWS.

No. 100. Nickel plated spring steel wire frame and handle; 6 inch blade; depth of cut, 4 inches. Complete with 13 blades. Wt. doz., 4 lbs. Dozen **$3 60**

Extra Blades. Wt. gro., 5 ozs. .....Gross **$2 50**

Saws complete, half dozen in a box.
Extra blades, one gro. in a box

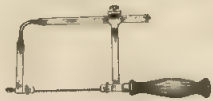
Cold drawn steel, highly finished frame; hardwood handle; blade adjustable to any angle. Blades made from imported band saw steel, 1/16 in. wide, 6½ in. long, tempered to cut light metal; can be refiled and set.

No. F.P.M. Complete with two blades. Wt. doz., 9 lbs.....Dozen **$10 50**

Extra Blades. Wt. gro., 4 ozs. .....Gross **$7 00**

Saws complete, one-third dozen in a box.
Extra blades, one gross in a box.

JEWELERS' SAWS.



For Silversmiths, Workers in Arts and Crafts, Etc.

Stiff spring steel frame; stained and polished hardwood handle, made to fit the hand and with end shaped to rest against the body while adjusting blades.

No. 381. Depth, 5 inches. Wt. doz., 6½ lbs. .....Dozen **$21 00**

One-third dozen in a box.

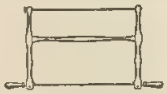
JEWELERS' SAW BLADES.

Blades 5 inches long for use in Jewelers' Frames.

Nos. 0, 1 and 1½.....Gross **$4 00**

One gross in a bundle

TURNING SAWS.



Birchwood frame, ebonized handles. An index on each handle shows operator just how far to turn. Friction regulated by screws.

For manual training use, also carpenters', for cornice, grills, etc.

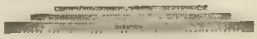
Frame and Blade Complete. 14 in. frame. Wt. per doz., 17 lbs..Doz **$21 00**

Extra Blades, 14 in.....Doz. **4 50**

Saws complete, packed one in a box.

Blades loose.

TURNING OR CHAIR WEBS.



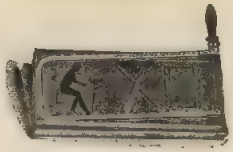
Length, ins.	8	10	12
Width, ins.	3/16	3/16	3/16
Doz.	$3 00	3 25	3 50

Length, ins.	14	16	18
Width, ins.	3/16	¼	¼, 5/16
Doz.	$3 75	4 25	4 50

Packed as wanted.

FRET SAWS.

MILLER'S FALLS.



These sets contain one Fret saw, 5x12 inch frame, twelve saw blades, one awl, three sheets of designs of a great variety of fancy and useful articles and one sheet of impression paper.

Set No. 2. Frame polished and nickel plated; patent clamp for holding saw blades; hardwood handle. Wt. doz., 13 lbs. .....Dozen **$18 00**

One set complete in a box.

STAR.

A well-balanced, easy-running machine with heavy drive wheel giving it power, and two balance wheels, one each of iron and emery, adding steadiness to the motion. The arms are hung in the middle of their supporting casting to give free action, and are adjustable so they may be kept parallel. Equipped with drilling attachment, japanned tilting saw table, automatic dust blower, adjustable lever saw clamps, and adjustable saw guide. Also furnished with each machine are twelve saw blades, one wrench, three sheets of designs, impression paper and three drill points. Frame of iron castings, japanned black with ornamental red stripes; arbors of steel. Can be equipped for use with ⅓ h. p. motor if desired, by using a ¼ inch belt running from motor to small pulley. Height, 37 inches overall. Capacity up to ⅜ inch wood.

No. 387. Star. Net weight, 40 lbs. Shipping wt., 60 lbs.....Each **$18 00**

ELECTRIC FANS.

STAR-RITE STATIONARY.

Individually mounted blades with each blade riveted to the fork; the gauge and pitch of every blade accurate to 1/1000 of an inch and balanced against each other, eliminates noise and reduces friction; operates on both alternating and direct current; sturdy Universal motor; heavy blade guards; polished nickel finish all over.

8 Inch Stationary. Height overall, 11 inches. Wt. each, 8 lbs..Each **$10 00**

STAR-RITE OSCILLATING.

Sturdy oscillating mechanism with oscillating gears accurate to 1/1000 inch; vibration eliminated; smooth oscillation at any angle; fan with 10 inch blades; polished nickel finish all over; Universal motor; 3 speed control switch, cord, plug, heavy blade guards, felt padded drawn steel base; operates on both alternating and direct current.

10 Inch Oscillating. Height overall, 14⅛ ins. Wt. each, 10 lbs..Each **$15 00**

WAGNER.

Induction type motor, well insulated and ventilated; cast iron base provides solid and well balanced support; dull black satin "Duco" finish; with blades of polished brass; oscillation release automatically stops fan operation when fan strikes obstruction; gear case cover die cast, sealed in place with screws; worm gears of bronze, shafts of steel makes for small wear and long life; oscillating adjustment permits changing arc of oscillation; oscillation arm gives uniform and jerkless oscillation and oscillation collar permits changing air paths; tilting clamp permits choice of breeze elevation; 8 ft. cord made to rigid specifications and designed for long life; insulated bushing protects cord from sharp edges; rugged guard supports with outside end openings, guard easily removed; front bearings made of bronze; fan blades deliver large volume of air with minimum of buzz or wind noise; 3 speeds, controlled by convenient lever switch in base; tilts backward or forward or converted to wall mounting position; can be rotated 90 degrees at bracket joint.

Alternating Current, 110 Volt, 60 Cycle, Oscillating, Three-Speed.

Size, inches	12	16
Shipping wt. each, lbs.	37	42
Each	$30 00	35 00

Direct Current, 110 Volt, 60 Cycle Oscillating, Three-Speed.

Size, inches	12	16
Shipping wt. each, lbs.	37	42
Each	$30 00	35 00

WAGNER VENTILATING.

Alternating or Direct Current, 110 Volt.

For removing smoke, dust, or odors; mount in wall or partition, exhausting to outside air. Complete, ready to fasten wherever the necessary opening can be made; standard speed motors; 4 blades.

12 Inch Size. Ring diameter inside, 13 inches, outside 15¼ inches; bolt circle 14½ inches. Shipping wt. each, 38 lbs. .....Each **$30 00**

16 Inch Size. Ring diameter inside, 17 inches, outside 19¼ inches; bolt circle 18½ inches. Shipping wt. each, 44 lbs. .....Each **$33 00**

WAGNER CEILING.

Alternating or Direct Current. 110 Volt. Three Speeds.

For theaters, restaurants, stores and offices; blades adjustable to throw air upward or downward; standard finish black enamel with mahogany blades.

56 Inch. Shipping wt. each, 90 lbs. .....Each **$52 00**

Recent Additions

To Our Extensive Lines of Popular Toilet Accessories

"CUTEX" MANICURE PREPARATIONS
Trial Sizes

"Cutex" Cuticle Remover—Complete with orange stick and cotton. Y4300—3 doz. pkgs. in carton Doz 95c
6 doz. or more, " 92c

"Cutex" Nail White Y4303—3 doz. in carton Doz 95c
6 doz. or more, Doz 92c

"Cutex" Cake Polish Y4301 Doz 95c
6 doz. or more, Doz 92c

"Cutex" Liquid Polish Y4302 Doz 95c
6 doz. or more, Doz 92c

"PETER PAN" FACE POWDERS
Opal Hue

Petite Size—2 doz. in carton.
Y6315—White
Y6316—Flesh
Doz 89c

Debutante Size—2 doz. in carton.
Y6318—White
Y6319—Flesh
Doz $1.00

"GOLDEN PEACOCK" TOILET PREPARATIONS

Toilet Face Powder—½ doz. in carton
Y6185 White
Y6186 Flesh
Y6187—Both tints, Doz $1.00

Bleach Cream—
Y6189—½ doz. in carton Doz $1.00

IMPORTED PERFUME NOVELTIES

Y6025—3 styles, assorted swan, clown and cat, hand blown glass, hand painted in colors, containing imported odors, 3 sizes, 1 doz. in box. Assorted odors. 1 doz. in box. Doz $1.98

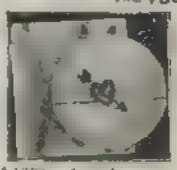
Y5982 — Assorted frogs, clowns, dogs, goats, etc., hand painted in colors, assorted odors, each in box. Assorted. 1 doz. in carton. Doz 72c

ANN PENNINGTON "BLACK BOTTOM" CONCENTRATED EXTRACTION PERFUME
In Acorn Goliath Container

Y5210—Super concentrated solidified perfume free from alcohol and liquids, in acorn shape glass container, with black bottom and assorted color tops. 1 doz. in box. Doz $4.00

POWDER PUFFS

Y—Round puffs, 3½ in. diameter, assorted color fancy rubber pouches, 1 doz. in box. Doz 75c



Y5280—Cupid design, velour seal fingertip, 1 satin bow, 1 silk ribbon rosette, heart and arrow pin, 6 to carton. Doz 75c

"DAME NATURE" COMPLEXION CREAM

Skin Improver Cream—1 oz. bottle
Y6115—1 doz. in carton Doz $2.80

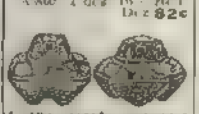
"SQUIBBS" DENTAL CREAM

Y6110—Large tube, 1 doz. in box Doz $3.20

INCENSE BURNERS AND INCENSE

INCENSE BURNERS

Y5496—Assorted Egyptian pottery designs in colors, 1 doz. in box. Assorted 1 doz. in pkg. Doz $2.25



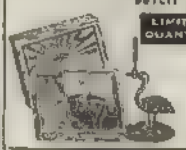
Y5494—Assorted Egyptian pottery designs in colors, 1 doz. in box. Assorted 1 doz. in pkg. Doz $1.75

INCENSE

Y5495—Breath of the Forest assorted incense sticks, 1 doz. boxes in carton. Doz boxes 78c

Y5282—Assorted incense sticks and cone, with burner and incense, 1 doz. boxes in carton. Doz boxes 87c

INCENSE BURNER With Incense



LIMITED QUANTITY

Y5197—Egyptian design, assorted colors, with ½ gross incense cones, 1 doz. in box. Doz 72c

CELLULOID TEETHING RINGS

Y5885—Enameled beads in bright colors, attached to rattle. Assorted. 1 doz. in carton Doz 75c

MORE PRICE TICKETS SELL MORE GOODS

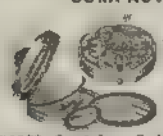
LIMITED LOTS

Bargains in small lots. Prices good only while present stocks last. First come, first served. Order at once!

"DJER-KISS" FACE POWDER

Y4723—1 dozen new style metal box with mirror, puff, parchment guard, in box. ½ doz. in pkg. Doz $1.75

DOUBLE COMPACTS



Y5302—2 styles, 3 in. metal case with Roman finish, lid has hinged cover containing mirror, flesh powder, medium rouge, each in separate sections. Assorted tints. ½ doz. in pkg. Doz $7.75

LACQUERED BOX For Face Powder

Y5932—3¼ x 1⅞ in., round, in pastel lacquered finish, with contrasting color top, in assorted colors. Assorted in carton. Doz 45c

POWDER JAR IN CASE

Y5980—3¼ in. crystal powder jar, velour puff with shirred silk back & bow, octagon shape silk lined case, hinged cover with mirror, snap fastening. ½ doz. in carton Doz $6.00

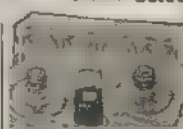
TOILET WATER

Y5218—6 oz. bottle, assorted, 6 colors, clear silk frosted, assorted tops, fragrance of violet, rose, lilac, carnation, jasmine and new mown hay. Assorted in box. Assorted, 1 doz. in carton Doz $2.00

COMBINATION TOILET SETS

Y5778—"Juliette," 3 pieces, two-tone basket of petunias, assorted shades, puff, atomizer and talkers, and 1 box FLESH face powder. 1 doz. sets in carton. Doz sets $2.15

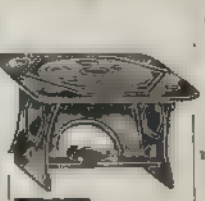
Y5774—"Juliette" 5 pieces, basket of petunias, assorted shades, puff, atomizer and talkers, and 1 box FLESH face powder. 1 doz. sets in carton. Doz sets $3.95



Y5408—3 pieces, assorted in attractive boxes with assorted color stoppers and 1 purse vial. Assorted in carton. Doz sets $4.00

"STERNO" HEAT AND STOVES

"Sterno" Canned Heat display box Y4008—3 oz. 90c
Y4088—8 oz. $2.10



LIMITED QUANTITY

Y38—Blue steel stove. Without heat. 2 doz. in carton Doz 78c

Y46—Double burner cook stove, heavy blued steel, takes large or small size heat, each in display carton. ½ doz. in pkg. Doz $3.75

Y31—3 pc. set, consisting of stove, pie rack and cover, small size, stove takes regular size heat, each in display box. 1 doz. sets in carton Doz sets $2.00

Y50—4 pc. set, aluminum, stove, pie rack, cover and boiler, each in separate box. 1 doz. sets in carton Doz sets $4.00

"STERNO" ASSORTMENT

Y74—"Sterno" assortment of the following:
Y1005—"Sterno" Canned Heat
Y4008—"Sterno" Canned Heat
Y38—Stove
Y46—Stove
$4.25

NOTE—½ doz. cans "Sterno" Heat Free with each asst.

THERMOMETERS

HOUSEHOLD THERMOMETERS

Y8108

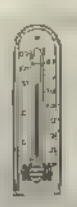
Y8149

Y8135—8 in., round, colored dial, assorted red, white and blue, registers 30 below to 120 above zero. 1 doz. in box. Doz $1.20

Y8108—3 styles, 3 to 10 in., round or oval, metal and brass case, colors, registers 0 below to 120 above zero. 6 up display card of 1 doz. Assorted. 1 doz. in carton. Doz $1.85

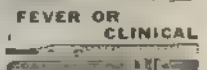
Y8149—3 styles, 6 to 8½ in., enameled hardwood blocks, assorted colors, registers 30 below to 120 above zero. 1 doz. in display box. Doz $3.75

OUTDOOR



Y8137—6 in., round, metal back, white dial, 2 pieces, assorted colors, registers 0 to 120 above zero, satisfying guarantee with each thermometer. ½ doz. in box. Doz $4.15

FEVER OR CLINICAL



Guaranteed, each in Lard rubber pocket case in wood box

Y8124—1 minute. Each 55c
6 or more, Each 50c

Y8123—½ minute. Each
6 or more, Each 48c

JULIETTE *Toilet Preparations*

A line that stands out in any comparison as—the Aristocrats of the Popular Priced Class

STARTER ASST.

Includes all the best sellers in the line. The ideal way to carry variety at a small investment

Y5797—Small quantities that give you a representative variety of items you can quickly sell. Consists of the following:

½ doz. Hand cream
" " Cold cream
" " Vanishing cream
" " Powder puff
" " Honey & almond lotion
" " Glycerine & rose water
" " Lemon cream
" " Lemon lotion
" " Massage cream
" " Rose cold cream

Assrtd. 4 doz. in carton, 25 lbs. Doz **84c**

TALCUM
In Frosted Glass Bottle

Y5780—Fancy frosted glass container, excellent quality talc in narcissus, clopre and jasmine perfume. Assrtd. 3 doz. in carton. Doz **85c**

"Orange Blossom" Talc

Y5791—Pure white talc, orange blossom odor. 1 doz. in box. Doz **82c**

Talcum Powder Assortment

A big variety for a small investment

Y5790—6 styles, extra fine quality talcum, assrtd. odors, assrtd. tall round, oval and square, tall flat oval and squat oval style cans, high grade litho designs, sprinkler tops, brass caps; has the pantry and garage of 25c value—and look at the variety we pack into a size as pictured. Assrtd. 3 doz. in carton. Doz **82c**

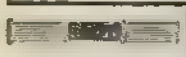
FACE POWDER
In Cellophane Drum Box

Best quality powder, bouquet perfume, red box with cellophane drum. 1 doz. boxes in pkg.

Y5781—White.
Y5782—Flesh.
Y5786—Garden.

Doz boxes **84c**

Gro **$9.80**



Eyebrow Pencils

Delicately perfumed, soft wax cream, highly polished nickel container. 1 doz. in box

Y5854—Black
Y5853—Brown.

Doz **80c**

Lipsticks

Delicately perfumed, soft wax cream, metal slide tube with label. 1 doz. in box

Shade

Y5855A—Light
Y5856—Dark
Y5857—Med.

Doz **80c**

For Juliette Powder Puffs and Toilet Soaps see nearby pages

Complexion Creams

2 oz., finest ingredients, hexagon shape clear glass jar, pebbled effect, red metal screw cap, litho label. 1 doz. in box

Y5785—Cold cream.
Y5789—Vanishing cream.
Y5786—Peroxide cream.

Doz **84c**

Complexion Creams

2 oz., finest quality fancy frosted glass jar, red metal screw cap, litho label. 1 doz. in box

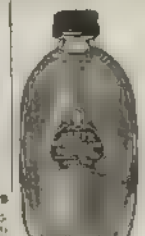
Y5792—Lemon cream
Y5791—Massage cream
Y5795—Vanishing

Doz **84c**

"Julietina" for the Hair

Y5797—2 oz. jar, for straightening and beautifying. 2 doz. in carton

Doz **84c**



Lotions

2 oz., bottle red metal screw cap, litho label. 1 doz. in box

Y5778—Cucumber lotion
Y5785—Lemon lotion
Y5788—Honey & almond
Y5794—Glycerine & rose water
Y5779—Witch hazel lotion
Y5784—Bay rum

Doz **84c**

Lotion Assortment

Y5709—Assrt. includes all the above lotions in the right proportion. Assrtd. as follows

1 doz. Honey & Almond lotion.
" Lemon Lotion.
" Bay Rum
" Cucumber Cream.
" Glycerine & rose water.
" Witch Hazel

Assrtd. 3 doz. in carton ... Doz **84c**

Lilac Vegetal

Y5787—2 oz. for the toilet and bath, also excellent after shaving and talcum, sprinkler top. 1 doz. in box.

Doz **84c**

Shampoo

Y5793—8 oz. bottle coconut oil shampoo, lathers freely leaves hair soft and fluffy. 1 doz. in box.

Doz **84c**

Toilet Water

Y5783—2 oz. fancy frosted cut glass bottle, fancy triple snap label, pebbled white frosted cap stopper. Assrtd. 1 doz. in box

Doz **84c**

POWDER PUFFS

Your profit on this fast selling line depends on buying right—compare.

VELOUR POWDER PUFFS

Dimensions on these puffs are all full size—measured after they are sewed—unless we state die cut in description

A new improved line—splendid values that will win sales and profits for you. All we ask is that you compare.

Superior quality, high pile velour die cut sizes, machine sewed ribbon strap with "Juliette" imprint, in cellophane env.

2½ IN. 2 doz. in box.
Y5169 White
Y5173 Tangerine
Y5172 Flesh
Y5175—Coral

4 IN. 1 doz. in box
Y5171 White
Y5177 Tangerine
Y5174 Flesh
Y5180—Coral

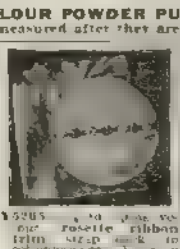
Doz **42c**

3½ IN—1 doz. in box
Y5170—White
Y5176—Tangerine
Y5173—Flesh
Y5178—Coral

Doz **72c**

ASSORTMENT—
Y5880 Full 3 in. assrtd. coral white canary, orchid honeydew and flesh shades. 2 doz. in easel back display stand.

Doz **80c**

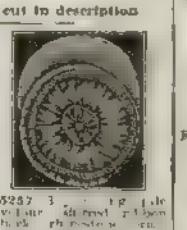


Y5265—3 in. heavy velour puff, rose velour bow top in cellophane env. 1 doz. in box.

Doz **75c**

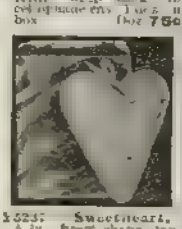
Y5269—Dresden Lady, in assorted colors with flounder skirt, in cellophane env. 1 doz. in box.

Doz **78c**



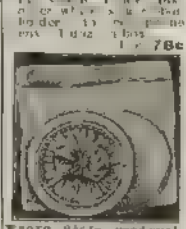
Y5257—3 in. velour puff, velour ribbon bow top, in assrtd. shades in cellophane top box. 1 doz. in carton.

Doz **$1.95**



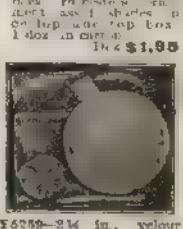
Y5237—Sweetheart, 4 in., heart shape, taffeta ribbon bow top in cellophane env. 1 doz. in box.

Doz **78c**



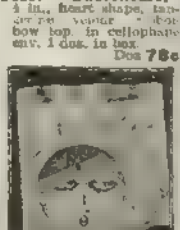
Y5256—2½ in. good quality velour puff, velour ribbon bow top in cellophane env. 1 doz. in box.

Doz **78c**



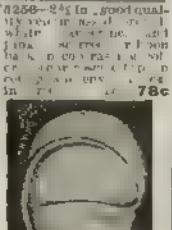
Y5259—2¼ in., velour rhinestone ornament loop ribbon in assrtd. color rayon (artificial silk) bag, in cellophane top box. 1 doz. in box.

Doz **$2.00**



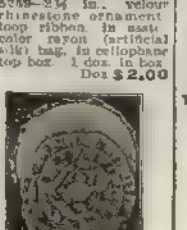
Y5270—"Flapper" die cut 3 in., taffeta velour silk top fluffed with flapper head ribbon strap in cellophane env. 1 doz. in box.

Doz **78c**



Y5260—Cut bath puff, velour back, ribbon strap, rose, white, pink and honeydew. 1 doz. in carton.

Doz **80c**



Y5258—3 in. velour assrtd. shades, contrasting color shirred ribbon back, ribbon rosette, in cellophane top box. 1 doz. in carton.

Doz **$2.00**

Y5869—"Juliette" Duo Puff, 3 in. bag, grade A velour, with silk loop ribbon, assrtd. shades, flesh, white, canary, orchid and honeydew combinations in cellophane env. Assrtd. 3 doz. on part nested easel.

Doz **80c**

"Dainties" Asst.

Y5139—3 and 4½ in. full size, extra quality velour assrtd. white pink, maize, blue, green, peach and green shades, some with imprint. Assrtd. 4 doz. in box.

Doz **80c**

Note 5% discount on orders for 1 gro. of above number

Open Stock

Full size, superior quality velour, silk ribbon holders, in cellophane env. 1 doz. in display box.

White—	Diam	Doz
Y5151	3½ in	$2.00
Y5152	4 "	2.80

Pink	Diam	Doz
Y5154	3½ in	$2.00
Y5155	4 "	2.80

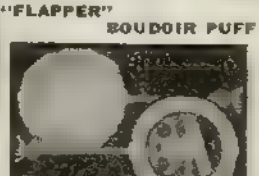
Cornli (Coral)	Diam	Doz
Y5156	3½ in	$1.20
Y5157	3½ "	1.60
Y5158	4 "	2.00

Pearl—	Diam	Doz
Y5159	3½ in	$0.80
Y5160	3½ "	2.00
Y5161	3½ "	2.80

Love Bird (2 green birds)	Diam	Doz
Y5162	3½ in	$1.20
Y5163	4 "	1.60
Y5164	4½ "	2.00

NOTE 5% discount on orders for ½ gro. of the above numbers, either 1 kind or assrtd.

"FLAPPER" BOUDOIR PUFF



Y5206—3½ in. velour puff, assrtd. shades, mounted on fine hard fiber easel with lace and ribbon edge, ribbon wound handle, assrtd. white, pink, tangerine and coral, each in cellophane topped box. 1 doz. in carton.

Doz **$2.00**

VANITY MIRROR

Y5203—3 in. round, embossed and assrtd. metal backs, assrtd. colors to match 1 doz. in box.

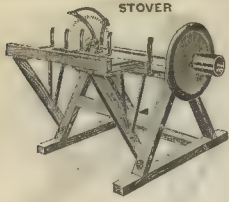
Doz **80c**

LONG HANDLE BOUDOIR PUFF

Y5865—3 in. puff, full size, superior quality velour, assrtd. white flesh, honeydew and orchid, on flexible handle, mounted on gift box, contrasting shades. Assrtd. 3 doz. in box.

Doz **87c**

WOOD SAWING MACHINES



Wood Frame With Tilting Table.

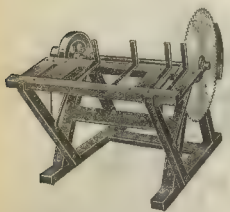
Seasoned hardwood frame, mortised, bolted and firmly braced. Lathe turned steel mandrel, 4 feet, 4 inches long and 1½ inches diameter. 1⅜ inches for the saw blade and to 1⅞ inches for the balance wheel, pulley and boxes, ball and socket type boxes, babbitted, dust proof, non-heating and self adjusting. Tilting table has roller at one end to accomodate long poles. Interchangeable balance wheel and pulley. Frame equipped with a saw guard.

Frame is arranged to receive blade to left of operator, but if so ordered it can be arranged without extra charge to receive the blade to the right of the operator.

Each

No. 2—Without blade; takes blades from 20 to 30 ins diam; pulley 6x6 ins; speed 1000 to 1500 R. P. M.; electric motor; distance between balance wheel and blade 3 ft., 6 ins **$79 50**

Shipping wt 274 lbs.



Hardwood frame, uprights and swinging table, painted red; 1 7/16 inch cold rolled steel mandrel 49 inches long fitted for saw with 1⅝ inch arbor. Accurately machined and balanced, fly wheel 15½ inches in diameter. Self aligning bearings, lubricated by hard oilers inner sleeves lined with high grade babbitt. Frame equipped with four pole and and one saw guide.

Standard size pulley 6x6 inches.

Each

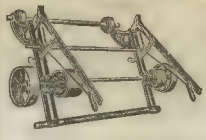
No. 700—Without Saw; floor space required 46x49 ins; height frame 31 ins **$61 50**

Crated, K. D.; wt each 250 lbs.

Note—For circular saw blades see Dept. 1.

Wood sawing machines are wonderful labor saving devices, especially on the Farm. Sell them to your trade from this catalog.

LAY PORTA POWER



An implement which transforms any make of automobile into a portable power plant. Most commonly used on Ford cars, developing 6 or 7 horse power. Attachment for operating wood saw, grinding mill, hay press, pump, corn sheller, etc.

After car is backed into suitable position. Lay Porta Power is pushed beneath rear of car as shown in illustration (Fig 1), one foot resting on base.

(Fig. 1)

(Fig 2)

Hand clasps control quadrant, and handles pushed down. This jacks the car up and pulls it back until tires make contact with rollers. It is locked in this position. (See Fig. 2)

Rear of car is now off the ground, axle resting securely in pockets on the end of each handle of attachment (See Fig. 3). Everything is firmly held in place and outfit now ready for belt application.

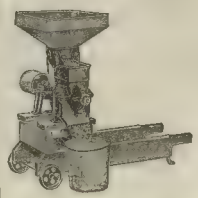
(Fig. 3)

Each

No. LP100—Size pulleys 6x4 and 10x6 ins ..... ✤**$76 50**

Shipping wt each 180 lbs.

MILLS



Designed to run with Lay Porta Power. Duplex type, having two sets of 6 inch burrs, with genuine shear cutting construction. Normal speed 600 revolutions per minute. Complete with necessary belting.

Each

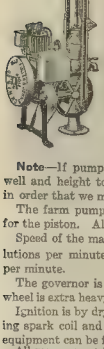
No. PM20—Capacity 20 to 25 bushels of ground grain per hour; 6x6 in. pulley ..... ✤**$76 50**

Shipping wt each 275 lbs.

✤**F. O. B. Indiana Factory Only.**

FARM PUMP ENGINES

FULLER & JOHNSON



Complete equipment consists of clamps, gearing, steel connecting rods and cross head for connecting to the ordianry windmill pump standard. Includes steel battery box, batteries, coil switch and connecting wires, wrench, oiler, grease cups and accessories (**no pulley**).

No.	500
Revoliutions per min. engine shaft	500
Speed of intermediate shaft	150
Pump strokes per minute	35
Length stroke, ins	5,7½,10
Shipping wt, lbs	335
Each	✣$210 00

Crated.

Note—If pump is ordered with engine, specify depth of well and height to which water is to be lifted above pump, in order that we may determine size of cylinder required.

The farm pumping engine has an automatic oiling system for the piston. All bearings are lubricated with hard oil.

Speed of the main shaft is adjustable from 500 to 600 revolutions per minute. Speed of jack shaft is 31 to 35 strokes per minute.

The governor is on the inside of the fly-wheel and the fly-wheel is extra heavy turned and then carefully balanced.

Ignition is by dry cells working through a high grade vibrating spark coil and regular automobile spark plug. Magneto equipment can be furnished if desired.

All gears except the two operating the pump rod are machine cut and mesh perfectly and are enclosed in the crank case. The stroke of the pump can be 5, 7½ or 10 inches.

The pump can be used in winter or summer out of doors. The engine is air cooled and cannot freeze.

Pumping Capacity. The farm pump engine will pump any ordinary well as follows: Total head and corresponding size and capacity of pump cylinders at 35, 5 inch strokes per minute.

Total lift of water, Ft	Diam of Cylinder Ins	Water deliver-ed, Gal. Per Hour
500	1⅜	65
400	1¾	95
275	2½	170
200	2¾	240
175	3	290
125	3½	400
100	4	550
65	5	800
45	6	1150

If the water in the well is not as far from the surface or is not to be raised as high, so that the total lift is less than given in table, a stroke longer than 5 in. may be used, and the amount of water will be correspondingly increased, provided the work done is within the capacity of the engine. For exampie, if the cylinder used is 4 inch diameter and the total lift only 50 ft., the 10 inch stroke may be used and the capacity would be increased to 1100 gallon per hour.

Pulleys. If pulley is desired, give size and specify whether flat or crown face is wanted.

Flat belt pulley for intermediate or slow speed shaft, ins.	These pulleys fit on in place of the cap on outside of fly-wheel.	
	Flat belt pulley, ins	Round belt pulley, Diam, ins
3x2¼	3x3	2
4x2¼	4x3	4
5x2¼	5x3	6
6x2¼	6x3	8
	8x3	

✣F. O. B. Wisconsin Factory Only.

WOOD SAWING MACHINES

STOVER

Wood Frame with Sliding Table.

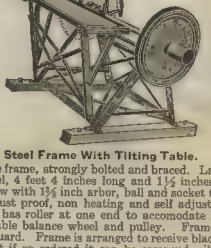
Seasoned hardwood frame, mortised, bolted and braced. The saw arbor or shaft is a piece of lathe turned steel 4ft. 4 in. long and 1½ inches diameter. It is turned down to 1⅝ inches for the saw blade, and to 1⅞ inches for the balance wheel pulley and boxes. Boxes are swivel type, well babbitted, dust proof, non-heating, self-adjusting to compensate for wear or shrinkage, and have large oil chambers.

The table has anti-friction iron rollers on the under side, which permit it to slide easily and with minimum friction over a metal track that is bolted to the frame. A roller at one end of the table is a great help in handling long poles. Frame equipped with a saw guard. Each

No. 7—Without blade, takes blades from 20 to 30 ins in diam; pulley 5x6 ins; speed 1000 to 1500 R. P. M., power required to operate 2 H. P. gasoline engine or electric motor; distance between balance wheel and blade 3 ft 6 ins ✣$85 05

Shipping wt each 851 lbs.

APPLETON



Steel Frame With Tilting Table.

Steel angle frame, strongly bolted and braced. Lathe turned steel mandrel, 4 feet 4 inches long and 1⅝ inches diameter. Fitted for saw with 1⅝ inch arbor, ball and socket type boxes, babbitted, dust proof, non heating and self adjusting. The tilting table has roller at one end to accomodate long poles. Interchangeable balance wheel and pulley. Frame equipped with a saw guard. Frame is arranged to receive blade to left of operator, but if so ordered it can be arranged without extra charge to receive blade to right of operator. Each

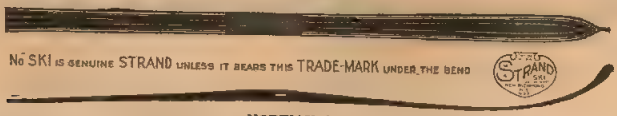
No. 1—Without blade; takes blades from 20 to 30; ins diam; pulley 5x6 ins; speed 1000 to 1500 R. P. M. power required to operate 2 H. P. gasoline engine or electric motor; distance between balance wheel and blade 3 ft. 6 ins $84 00

Shipping wt each 265 lbs.

Note—For circular saw blades see Dept. 1.

✣F. O. B. Illinois Factory Only.

SKIS



NORWAY PINE

These Skis are made of the best quality selected stock, Norway and Yellow Pine, finished in natural wood with several coats of waterproof varnish and have fancy stripes. They are supplied with leather toe strap and rubber foot rests and are made in both boys' and men's sizes.

BOYS' AND GIRLS'

No. C4P—4 feet long .....per pair $1.45
No. C5P—5 feet long.....per pair 2 35
No. C6P—6 feet long.....per pair 3.20
No. C66P—6½ feet long.....per pair 3.90

LADIES' AND MEN'S

No. C7P—7 feet long.....per pair $4.00
No. C76P—7½ feet long.....per pair 4.65
No. C8P—8 feet long.....per pair 4.90

MAHOGANY FINISH MAGNOLIA

These are made of the best quality selected Magnolia, in a beautiful Mahogany finish, with fancy grooved white stripes. Equipped with leather toe strap and corrugated rubber foot rests.

BOYS' AND GIRLS'

No. C4MM—4 feet long..... .... per pair $2.00
No. C5MM—5 feet long... .....per pair 3.45
No. C6MM—6 feet long.....per pair 4.90
No. C66MM—6½ feet long.....per pair 5.90

LADIES' AND MEN'S

No. C7MM—7 feet long ....per pair $6.35
No. C76MM—7½ feet long.....per pair 6.90
No. C8MM—8 feet long.....per pair 7.55

QUARTER-SAWED WHITE ASH-BROWN FINISH

These are made of the very best selected quality edge grain Northern White Ash. Cut out of small tough trees. Finished in black with fancy grooved white stripes. Equipped with leather toe straps and corrugated rubber foot rests.

BOYS' AND GIRLS'

No. C5AB—5 feet long.. .....per pair $4.55
No. C6AB—6 feet long.. .....per pair 6 45
No. C66AB—6½ feet long.....per pair 7.10

LADIES' AND MEN'S

No. C7AB—7 feet long..... .....per pair $8.35
No. C76AB—7½ feet long.....per pair 9.35
No. C8AB—8 feet long.....per pair 10.00

LOOSE

SKI BINDINGS

These are made of steel and leather, the steel forming a side iron and the leather being adjustable, to the size of the wearer's foot.

No. C1—Cowhide, 1¼ lbs.....per pair $4.35
No. C2—Leather, 1¼ lbs.....per pair 3.65

LOOSE

SKI POLES

No. C10—Men's, hardwood with rigid washer, 4 ft. 8 in. long, w't each 11 oz.....each $1.45

No. C11—Men's, bamboo pole with flexible washer, 4 ft. 6 in. long, w't each 6½ oz.....each $2.00

No. C12—Boy's, hardwood, with rigid washer, 4 ft. long, w't each ¼ lb..... .....each $0.75

LOOSE

STRAND TOBOGGANS

Made of hardwood, finished in natural wood with one coat of shellac on top. Middle two and outside slats are thicker than other four. This adds strength, and as it decreases running surface on an iced slide, it will increase speed and also makes it easier to steer in snow. Furnished with heavy rope, fastened with leather loops.

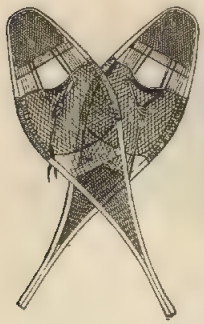
No. C6—6 foot .....each $12.20
No. C8—8 foot .....each 16.10

HOCKEY STICKS

No. C30—Standard second growth ash, blade 1¾ in. wide, finished in a very superior manner, w't per doz. 9 lbs., per dozen $8.35

No. C26—Boys, second growth ash, blade 1¼ in. wide, an exceptional value at the price, w't per doz. 8 lbs., per dozen .. .. ..

SNOW SHOES.



Style H2.

Style K2.

STYLE H2.

Heavy weight white ash frame; selected stock and short turn at toe, closely woven mesh with an extra rawhide stay at heel; shellaced bows; worsted tufts; a shoe for hard service.

Style H2. Size, 12x42 Inches. Wt. pair, 4 lbs...Pair $9 00

Style H2. Size, 12x44 Inches. Wt. pair, 4½ lbs..Pair 9 00

Style H2. Size, 14x44 Inches. Wt. pair, 5 lbs...Pair 10 00

Style H2. Size, 16x44 Inches. Wt. pair, 6 lbs...Pair 12 50

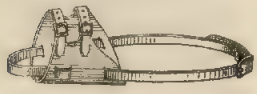
BEAR PAW.

STYLE K2.

Style used in mountains of the Northwest; shoe designed to stand the hardest tests of service.

Style K2, Bear Paw. Size, 15x24 inches. Wt. pair, 3⅝ lbs. .....Pair $8 50

SNOW SHOE BINDINGS.



Made of black harness leather with buckle strap for adjustment. This is the best snow shoe binding on the market. Wt. pair, ¾ lb. .....Pair $2 75

SKIS.

STRAND.

NORWAY PINE.

Made from best quality selected stock Norway pine, finished in natural wood with several coats of waterproof varnish and fancy stripes; supplied with leather straps. Conway buckles, and rubber foot rests.

No. 4P. 4 feet long. Wt. pair, 3 lbs.....Pair $1 75

No. 5P. 5 feet long. Wt. pair, 3½ lbs.....Pair 2 15

EDGE GRAIN YELLOW PINE.

Made of the best quality selected quarter-sawed Yellow Pine, finished in natural wood with several coats of waterproof varnish, and have fancy stripes; supplied with leather straps with Conway buckles, and rubber foot rests.

No. 6EP. 6 feet long. Wt. pair, 4 lbs.....Pair $2 90

No. 66EP. 6½ feet long. Wt. pair, 4¾ lbs.....Pair 3 25

No. 7EP. 7 feet long. Wt. pair, 5½ lbs.....Pair 3 65

No. 76EP. 7½ feet long. Wt. pair, 7½ lbs.....Pair 4 25

MAGNOLIA.

Made of the best quality selected hardwood stock in a beautiful mahogany finish, with fancy grooved white stripes; supplied with leather straps with Conway buckles, and with corrugated rubber foot rests.

No. 66MM. 6½ feet long. Wt. pair, 8½ lbs.....Pair $4 75

No. 7MM. 7 feet long. Wt. pair, 7⅝ lbs.....Pair 5 00

No. 76MM. 7½ feet long. Wt. pair, 9¼ lbs.....Pair 5 50

QUARTER-SAWED WHITE ASH.

Made of the very best selected quality edge grain white ash, cut especially out of small, tough trees; finished in a rich brown color, with fancy grooved white stripes; supplied with leather straps with Conway buckles, and corrugated rubber foot rests.

No. 7AB. 7 feet long. Wt. pair, 7¾ lbs.....Pair $6 00

No. 76AB. 7½ feet long. Wt. pair, 10 lbs.....Pair 6 85

SECOND GROWTH HICKORY.

Made of the very best quality straight grained second growth hickory, finished in a rich brown color with fancy grooved white stripes; supplied with leather straps with Conway buckles, and with corrugated rubber foot rests.

No. 7HB. 7 feet long. Wt. pair, 7½ lbs.....Pair $6 50

No. 76HB. 7½ feet long. Wt. pair, 10¼ lbs....Pair 7 50

SKI POLES.

Bamboo. Very substantial and light; made with silverite flexible washer. Wt. each, 12 ozs.....Each $1 50

SKI BINDINGS.

Strand.

No. A Adjustable. Best leather re-enforced with rawhide, double stitched. Interlocking teeth on side irons. Binding adjustable to any ski boot. Tightening clamp on heel quickly fastens or unfastens binding, a very desirable feature. Illustration shows view of side iron adjustment. Wt. pair, 2½ lbs. .....Pair $3 50

No. 1. Has been used extensively abroad and in this country for years. Best quality leather strengthened by double-stitched rawhide re-enforcing. Side irons held by bolts through mortise in ski. Tightening clamp on heel strap by which binding is quickly fastened or unfastened. Wt. pair, 2 lbs. .....Pair $3 10

No. 2. Made of black harness leather, with three buckles for adjustment, and side irons with bolts. Wt. pair, 1½ lbs. .....Pair $2 50

SKI WAX.

A tube of ski wax should always be in your pocket when skiing. By applying it to the running surface it will stop soft snow from sticking.

Ski Wax. Wt. doz., 1 lb.....Each $0 35

TOBOGGANS.

STRAND.

Natural Color.

Made of hardwood, finished in natural wood with one coat of shellac on top. As the cross section above the toboggan cut shows, the middle and two outside slats are thicker than the other four. This adds greatly to the strength of the toboggan, and as it decreases the running surface on an iced slide, it will increase the speed and also make it a great deal easier to steer in the snow. Note the long graceful bend, which enables it to take a bump without a jar and also makes it run easy in deep snow. They are supplied with heavy rope, fastened with leather loops.

6 Foot. Wt. each, 16 lbs.....Each $10 50
7 Foot. Wt. each, 18 lbs. .....Each 12 00
8 Foot. Wt. each, 20 lbs. .....Each 13 50

CROQUET SETS.

No. 00—Maple, Polished, Four Ball Set. All turned by hand, highly finished with genuine white shellac and lathe polished; mallets eight inches long; short handle; large black bands in center of mallet; select fancy striped balls; two large beaded four colored stakes, with heavy galvanized arches. Wt. set, 19 lbs.....Set **$7 50**

No. 00X—Eight Ball Set. Same as above. Varnished box with nickel plated handle. Wt. set, 36½ lbs..Set **$12 50**

No. 2—Professional Four Ball Set. Turned by hand; neatly painted, eight-inch long mallets, finely striped; short maple handles, selected; polished three striped balls; two large beaded eight color stakes; heavy galvanized arches. This set is much preferred by professional players. Wt. set, 18½ lbs.....Set **$7 00**

No. 2X—Eight Ball Set. Same as above. Wt. set, 29 lbs. .....Set **$8 50**

No. 5—Four Ball Set. Cheap professional; full varnished and striped balls, handles and stakes; eight-inch long mallets and short handles painted and striped; galvanized arches. Wt. set, 17 lbs.....Set **$4 75**

No. 5½—Six Ball Set. Otherwise same as No. 5. Wt. set, 22¼ lbs. .....Set **$6 50**

No. 5X—Eight Ball Set. Otherwise same as No. 5. Wt. set, 27½ lbs. .....Set **$7 50**

No. XA—Eight Ball Set. All parts varnished; mallets painted; two eight color stakes; ten polished arches. Wt. set, 20 lbs.....Set **$5 50**

No. 6—Four Ball Set. Rock maple balls and stakes painted and varnished; plain beaded mallets, with handles painted; ten polished iron arches, and small dove-tailed box with hinged cover. Wt. set, 12½ lbs.....Set **$3 50**

No. 7—Six Ball Set. Same quality goods as in No. 6. Wt. set, 17½ lbs.....Set **$4 25**

No. 8—Eight Ball Set. Same quality goods as in No. 6. Wt. set, 20 lbs.....Set **$4 75**

All croquet sets packed one set in a box. Book of instructions included

Courtesy of The Studebaker Corporation of America

Prepared by the Roche Advertising Company, Chicago

FROM A FOUR-PAGE LETTER

Four-Color process—133-line screen—made from water color
Engraved by ROGERS ENGRAVING COMPANY, Chicago

This modern building is proof of the profit in making New Orleans a Studebaker town

$1000 Capital Grew to $600,000 Business in 11 Studebaker Years

IN 1915, the Capital City Auto Company, Studebaker dealer in Baton Rouge, opened another Studebaker business in New Orleans with $1000 capital. Only 2700 feet of floor space was needed for salesroom, parts and service.

In 1927, the Capital City Auto Company fills 75,000 square feet with a busy Studebaker-Erskine business, conservatively valued at $600,000!

Fred Perkins, president, says, "I hope our profitable experience will convince any dealer who is slow to change his business or cautious in selecting another line. The results we obtained by using business judgment and following the factory's progressive policy will be duplicated in any city or, relatively, in any small community with the now doubly valuable Studebaker-Erskine franchise."

This valuable Studebaker-Erskine franchise may be inadequately represented in your territory—or not at all. Wire or write *today* for complete and confidential information. Address Department 53, The Studebaker Corporation of America, South Bend, Indiana.

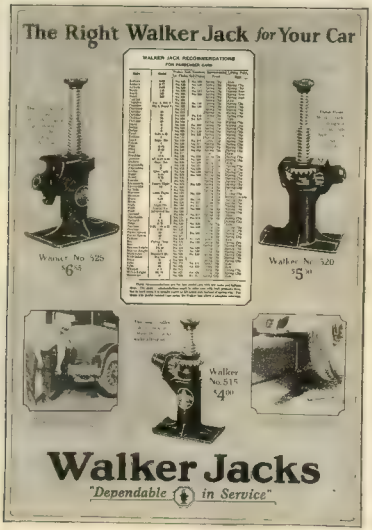
In 1915, the Capital City Auto Company learned the quickest way of proving Studebaker goodness was to get a prospect at the wheel

STUDEBAKER

ERSKINE SIX

Two franchises in one—offering cars from $895 to $2250

This Chart on Your Wall Will Put New Life in Your Jack Sales! It's The Biggest Thing That Ever Happened for Balloon Tire Jacks!



THIS Recommendation Chart, printed in colors and in wall hanger size, is packed with a striking Counter Card in every Walker Sampler—the new carton containing one each of the three Walker balloon tire jacks that will service every car. The Chart takes all guess work out of jack selling and the Sampler gives you a complete stock at an investment of only a few dollars. This combination is making money for dealers everywhere. Phone your jobber to send out a Walker Sampler.

WALKER MANUFACTURING COMPANY, Racine, Wisconsin

Why Safety Glass "all around"

MOTOR CARS - motor cars. Millions of motor cars scurrying over the roads of the country. Millions of drivers at their wheels—careful drivers reckless drivers—sometimes drunken drivers. Responsible owners and irresponsible owners. Sensible men and show-offs.

Amongst them, your car, your family, you. Precious lives. Exposed, despite your watchfulness, to the incompetence, the carelessness, the foolhardiness of others.

Is it right to withhold from them and from yourself any available protection, any procurable security?

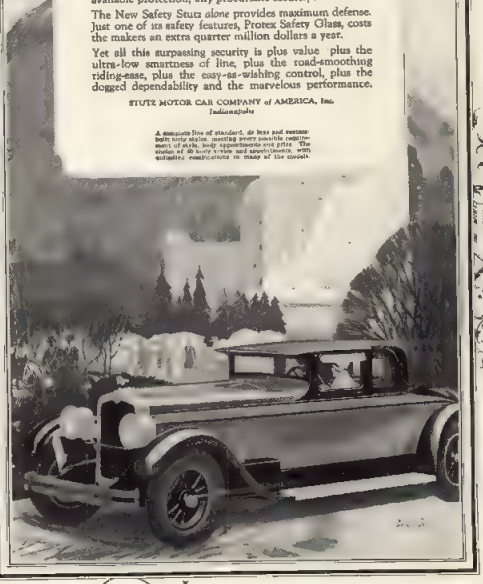
The New Safety Stutz *alone* provides maximum defense. Just one of its safety features, Protex Safety Glass, costs the makers an extra quarter million dollars a year.

Yet all this surpassing security is plus value plus the ultra-low smartness of line, plus the road-smoothing riding-ease, plus the easy-as-wishing control, plus the dogged dependability and the marvelous performance.

STUTZ MOTOR CAR COMPANY of AMERICA, Inc.
Indianapolis

A complete line of standard, de luxe and custom-built body styles, meeting every possible requirement of style, body appointments and price. The choice of 40 lively colors and upholstery combinations in many of the models.

THE SYMBOL OF SAFETY



The Improved New

SAFETY STUTZ

133 Combination Line and Halftone Plate

A NATIONAL MAGAZINE ADVERTISEMENT

Reproduced from Pen drawing of border, proof of type and Wash drawing of illustration, all Stripped into Position. Tint around lettering in bottom line is Halftone negative with Lettering surprinted

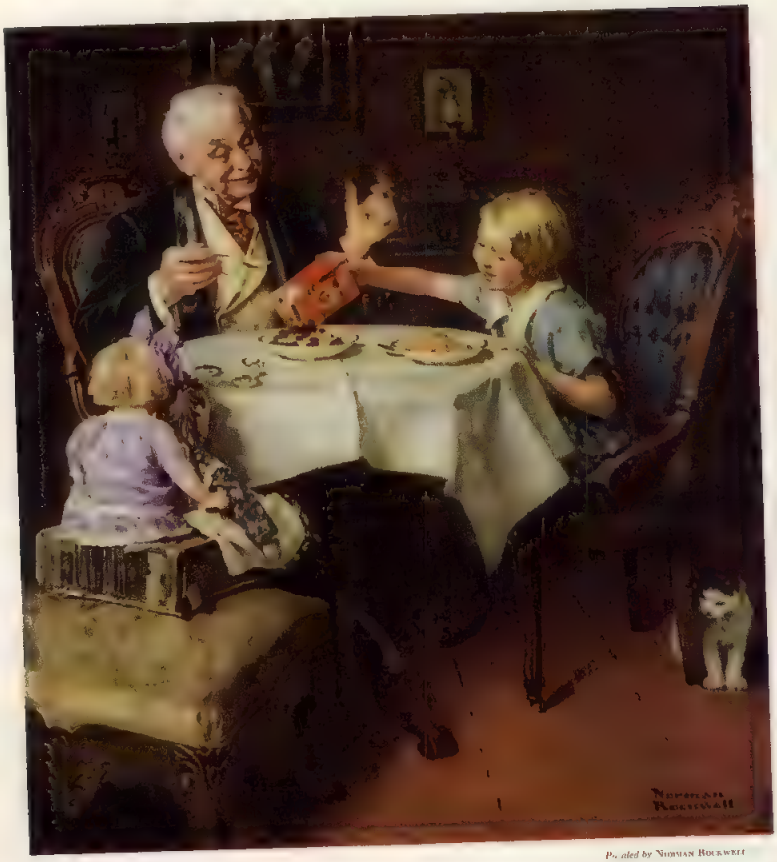
Engraved by PHOTO-CHROMOTYPE ENGRAVING COMPANY, PHILADELPHIA

133 Screen Halftone and Line Key and Three Bender Color Plates on Zinc

ST. LOUIS MUNICIPAL OPERA

Reproduced from Unretouched photo and Pen drawing of border

Designed and Engraved by HARRISON COMPANY ENGRAVERS, ST. LOUIS

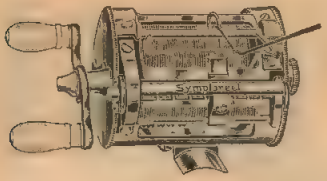


Courtesy NUTLANE NUT CO-OPERATIVE ASSOCIATION *Painted by* NORMAN ROCKWELL

A MAGAZINE ADVERTISEMENT

Engraved by STERLING ENGRAVING COMPANY SAN FRANCISCO *Printed by* SUNSET PRESS

FISHING REELS

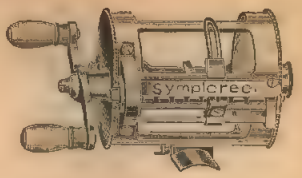


SYMPLOREEL

ANTI-BACK LASH LEVEL WINDING

Non Back Lash, Level Winder, double handle. A casting reel that combines simplicity and strength with the swift, silent running qualities of the plain reel. The only level winding reel with adjustable reciprocating shaft bearing, improved adjustable Non-Back-Lash feature, which prevents a snarled reel and makes it especially desirable for night fishing, the simplest take down reel made, quadruple nickel plated frame, nickel silver spool, phosphor bronze bearings with capillary oil well lubrication, balanced double handle. All beautifully finished and packed in special anti-tarnish jeweler's bag.

No. C257—Capacity 100 yards.....each *$12.50*



SYMPLOREEL

LEVEL WINDING

The light, smooth delicate action of this reel will please the most sensitive touch; its sturdy simple construction will withstand the roughest usage.

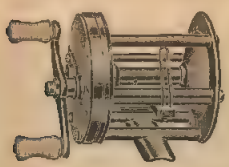
The frame is made of special hard drawn metal; quadruple nickel plate; spool flanges of nickel silver are accurately turned and the spool trued to a perfect balance. Phosphor bronze bearings with capillary oil well lubrication eliminates wear; the rear plate end bearing is adjustable; click spring is made of high-grade tool steel.

The level winding feature is well and strongly designed and of positive operation.

No. C252—Capacity 100 yards.....,each *$10.00*

ONE IN AN INDIVIDUAL ANTI-TARNISH JEWELERS' BAG

WINDRITE LEVEL WINDING



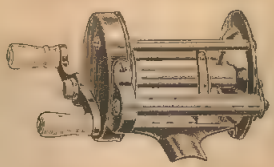
No. C1050—A level-winding quadruple multiplying reel of 100 yard line cap., with double ivoroid grips and improved standard rod clip, spool diameter 1⅞ in., width 1⅛ in., highly polished nickel finish, w't 8 ozs., packed in imitaation chamois bag with screw-driver and extra pawl .....each *$7.00*

ONE IN A BAG

OYB

Our Very Best for Fifty Years Has Stood the Test

"CHICAGO" LEVEL WINDING



Popular priced **Level Winding** Reel, 80 yard capacity, quadruple multiplying with steel level wind attachment, bronze pawl, perfectly balanced, double grip handle, highly polished nickel plate finish.

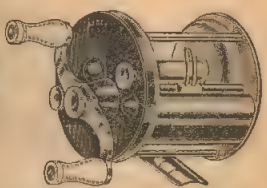
No. C180—Spool diameter 1⅜ in., spool width 1⅛ in., each $4.45

ONE IN A BOX

OYB

Our Very Best Is The Very Best

BRONSON "PEERLESS" TAKE-DOWN LEVEL WINDING



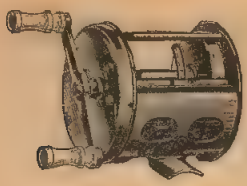
Transverse screw of phosphor bronze and line carriage of special alloy to give best service. All bushings are a nickel silver alloy—the same as used in the highest priced reels. Special design of double crank ivoroid handles. Both click and drag combined in one member of extraordinary durability. Slightly more than quadruple multiplying. Capacity, 100 yards of average size silk casting line.

Length of pool 1⅞ in., diameter of spool 1⅛ in., w't 7¼ oz.

No. C700—Each *$6.00*

PACKED ONE IN A DISPLAY BOX

REELS



THE BRONSON "MODERN" LEVEL WINDING REEL

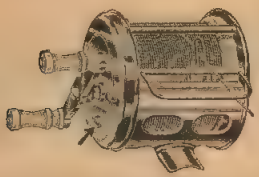
There are no irregular and unsightly attachments, and by including many parts into one or two pieces, a stronger reel of more pleasing proportions has been designed. Fewer parts make less chance for trouble; Finest tempered gears, transverse screw and pawl of a special alloy to give best service, bushings of both screw and spool of same material used in the most expensive reels, perfectly balanced crank handle with ivoroid grips, slightly more than quadruple multiplying. Radiant Nickel finish.

Simplicity in any mechanical device means fewer parts to get out of order and consequently less trouble. The "Modern" reel is the last word in this respect. There are only four loose parts when the reel is entirely taken apart. The removal of two screws accomplishes this result and makes every part available for oiling and cleaning. It cannot—It will not—go wrong.

Guaranteed to the fullest extent as to design, material and workmanship.

No. C100—Capacity 100 yds., diam. 2¼ in., pillar 1⅝ in., w't each 8 oz. ..... each *$3.50*

ONE IN A BOX

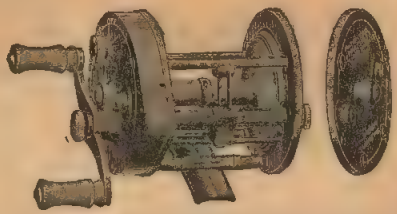


BRONSON "MODERN" LEVEL WINDING ANTI-BACK LASH

Nickel finish with scribed panels in head and tail plates. Equipped with perfectly balanced crank handle with two ivoroid grips, tempered gears, transverse screw and line carriage of special alloy to give best service, bushings of both screw and spool made of metals best suited for this purpose and generally used in much higher priced reels. A. B. L. drag lever made of nickel silver alloy to afford strength and prevent rusting and corrosion. A. B. L. drag lever adjusting spring is of the finest tempered bronze to withstand corrosion and maintain quick and reliable action in the A. B. L. mechanism. Click and drag combined in one member.

No. C500 A. B. L.—Capacity 100 yds. of average size silk casting line. Length of spool 1⅝ in., diam. of spool 1¾ in., w't each 7¼ oz. ..... each *$5.00*

ONE IN A DISPLAY BOX



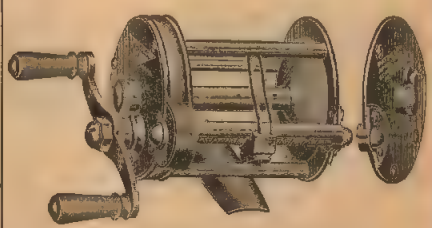
PLUEGER SUPREME LEVEL WINDING ANTIBACK-LASH FISHING REEL QUADRUPLE MULTIPLYING

Made of Nickalum, a metal very light in weight and strong as steel.

Generated Spiral Tooth Gears
Steel Pivots, Tempered and Polished
Phosphor Bronze Bearings
Adjustable Back Sliding Click

No. C1573—Satin Nickalum, 1⅞ in., pillar 2¼ in. plates, will hold from 60 to 100 yards, according to size of line used ..... each *$25.00*

EACH REEL IS WRAPPED IN SILVER TISSUE PAPER AND PACKED IN A CHAMOIS LEATHER BAG, ONE REEL IN A FANCY CARD BOX



PLUEGER AKRON LEVEL WINDING

No. C1893—Quadruple multiplying, will hold from 60 to 100 yards, according to size of line used, double handle, steel pivots and steel pinion. Finished in a combination satin and polished nickel. 1⅝ in. pillar, 2 in. plate, each *$6.00*

Each reel is wrapped in a silver tissue and anti-tarnish paper.

ONE IN A CARDBOARD BOX

Four Color Benday Plates on Zinc

Engraved by the GLOBE ENGRAVING & ELECTROTYPE COMPANY, CHICAGO

The Public Steps in— with a demand that is irresistible

This dominating Advertising is at once a CAUSE *and an* EFFECT *of an overwhelming preference*

Courtesy of The Gabriel Snubber Mfg Co

Designed by the House of Hubbell, Inc. Drawings by Faun Art Studio
120 Screen Color Combination Line and Halftone and Three Benday Plates

A DEALER'S BROADSIDE

Reproduced from Outline Pen drawing and photo of magazines. Color plates etched on zinc

Engraved by THE CENTRAL ENGRAVING COMPANY, CLEVELAND

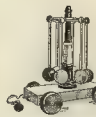
Go Toys

Circusgo

Per doz.

N74834—CIRCUSGO. Another Go Toy sensation. Realistic clowns doing flip-flops around a circus ring. Plenty of color. Burning never showed a better trick. Foolproof. Height 10 inches. Packed one in a carton ... 16.00

Whirlygo



Per doz.

N74825—WHIRLYGO. A beautiful toy improved. This number was our last year's foremost creation. Additions have been made to decoration and coloring. The top is now done in a stronger. Bodied effect, and the figure is painted identically, representing a soldier across. Standing height, 9 inches. Packed one in a carton ... 16.00

Ferrygo

Per doz.

N74836—FERRYGO. The old, fascinating ocean life. Splendid in color, full of action. Paddle wheels and wheels, mast trimmed with colored enameled beads, all simultaneously into action when toy is pulled over a surface. A foremost creation. Length, 11 inches. Packed one in a carton ... 16.00

Merrygo

Per doz.

N74837—MERRYGO TWIN. The original Go Toy has become a twin. Two rotors having enameled bodied arms revolve rapidly in opposite directions when pulled along. Smiling heads of solid birch. Very sturdy throughout. Height 10 inches. Packed one in a carton ... 16.00

Chimes

Per doz.

N74838—MUSICAL ROLLER CHIME. Two wooden disc wheels, eight wooden spacers with colored beads and steel wire inside strands. Wood handle with two colored beads. Length, 8¾ inches. Length over all, 25 inches. Packed one in a carton ... 16.00

Windmill

Per doz.

N74778—OLD DUTCH WINDMILL. The mill turns as the toy is pulled along. Base, 4 x 4¾ inches. Packed each in an attractively decorated box ... 8.00

Alphabet Toy

Per doz.

N74776—ALPHABET TOY. A platform on four wheels, holds a hub around which are fastened eight colored toy blocks on the end of spokes. As the toy is drawn along the blocks revolve. Height, 19 inches ... 16.00

Bouncing Bunny

Per doz.

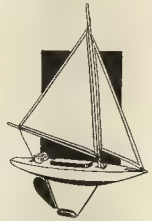
N74755—BOUNCING BUNNY. Made of wood, attractively painted. When pulled along the bunny bounces in a life like manner. Length, 9 inches ... 10.00

Ted Toylers

Per asst.

N75024—SPECIAL TED TOY ASSORTMENT. Consists of twenty-two toys, including Marvelous soldier on prancing horse, walking sailor teddy bear, no-stop roaring racer locomotive, two white shutter dolls, two blue roller dolls, two clown dolls, two teddy bear dolls, two rubber dolls, two jingle bunnies, and three toy comfort dolls. 24 toys packed in a carton. Complete assortment one carton, net weight ... 23.32

N74279—TEDDY BLUE SAILOR DOLL. An attractive toy. Has flexible arms and legs. Polished in durable bright colors. Height 7½ inches. Packed each in a carton. Per doz. 9.00



Each

N74285—TEDDY SAILBOAT. A real racing model. It will sail in open water with good speed and hold its course well. Finished in bright colors. Length, 21½ inches. Packed one in a carton ... 2.00

Each

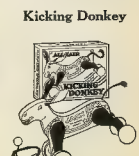
N74284—TEDDY SEA SCOOTER. A combination sailboat that is a novel attractive and a practical water toy. Equipped with a rudder which will hold it to its course. Finished in bright colors. Length, 12¾ inches. Packed each in a carton ... 1.00

Buster Circus Bear

Per doz.

N74785—BRUNO, THE CIRCUS BEAR. Made of wood, attractively painted. Mounted on wheels, with pull cord attached. Bruno pulls across floor he walks in a bouncing manner. Height, 7¾ inches. Packed one in a lithographed display carton ... 16.00

Kicking Donkey



Per doz.

N74783—KICKING DONKEY. Made of wood attractively painted. When pulled along the donkey lays his ears flat and kicks with his hind legs in a realistic manner. Length, 9½ inches. Packed one in a lithographed carton ... 16.00

Toy Kraft Toys

Toy Assortment

N74195—TOY ASSORTMENT. Hand painted figures in bright flaster colors. Mounted on four black stained wooden wheels with grey cord attached. These toys come in the following shapes, duck, rabbit, dog, elephant, rooster and hen. The heads are all movable with the except on of the elephant which has a movable trunk. Average a he or figures. 7 inches long and 6 inches in height. Packed one dozen in a carton, not broken 4.00

Merry Whirler

N74226—MERRY WHIRLER—A four cornered revolving stand on which are mounted a duck, rooster, chick and rabbit. In the center is a Charleston clown. All the figures are fastened to springs. The stand is centered on a 3 wheeled platform. One wheel touches the bottom of the stand and rotates it as the toy is pulled along, giving the figures amusing action. The toy is about 12 inches square and 7 inches high. Packed one in a carton..... 10.00

Mr. Bunny Hiker

N74128—MR. BUNNY HIKER. Another famous hiker toy and an all year favorite besides being especially appropriate for Easter. Dressed in forms, wear, tall hat, cutaway coat and wire collar. Decorated in smooth Finish enamel colors red, black, blue, yellow and white. The front wheels are mounted on axial pintorn so that it follows easily when pulled. Length, 7 inches. Packed one in a carton. 8.00

N74184—MRS. BUNNY HIKER—In full Easter regalia. A bouquet in her hands and a new hat on her head. Brightly colored in blue, yellow, green and black with a smooth finish enamel. Height, 9½ inches. Length, 7 inches. Packed one in a carton 9.00

Krafty Jack

N74205—KRAFTY JACK MULE—Made of wood and painted in black and red and white finish. Mounted on wheels. The head, ears, legs and tail are all movable and due to the construction of the springs used, they will stay at whatever point they are placed. Performs many amusing stunts. Size, 9⅝x3⅝ inches. Packed one in a carton..... 8.00

Lion on Wheels

N74222—LION ON WHEELS—Made of wood. Pull cord attached. Hand painted in orange color with red, white and black trim. Size, 7x10 in. One in a box 5.00

Donkey Rider

N74224—DONKEY RIDER—Made entirely of wood finished in bright cheery colors. A donkey mounted on four wheels with pull cord attached to roll easily, making him prance, sidestep, when pulled along. On his back a rider is perched on a spring and bobs up and down as though in real action. Height, 7 inches, length, 12 inches. Packed one in a carton 5.00

Mother Goose

N74199—MOTHER GOOSE—Made of wood, mounted on wheels, with pull cord. Head has forward and backward movement. Hand painted in bright colors. Size, 7½x10 inches 3.00

Rooster on Wheels

N74221—ROOSTER—Made of wood and painted in bright red, yellow and green. Moves on small wheels. Height, 8½ inches. Length, 8½ inches 3.00

Goosy Gander

N74219—GOOSY GANDER—Made of wood, mounted on wheels, with pull cord. Very durable. Head will move forward and backward. Hand painted in bright colors. Size, 7½x10 inches 3.00

Elephant on Wheels

N74220—ELEPHANT WHEELS—Made of wood, mounted on wheels, with pull cord. Has movable trunk. Hand painted in bright colors. Size, 8x7 inches 3.00

Pup on Wheels

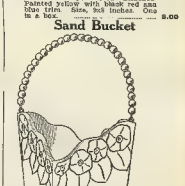
N74223—PUP ON WHEELS—Made of wood with pull cord attached. Painted yellow with black red ears blue trim. Size, 9x8 inches. One in a box 3.00

Mr. Duckie Hiker

N74196—MR. DUCKIE HIKER—Decorated in bright flaster colors, red yellow, dark green and black. Mounted on four wheels. The two front ones are fastened to a turntable to which the pull cord is attached. This allows the toy to turn and follow in any direction. Height, 9 inches. Length, 7 inches. Packed one in a carton 8.00

N74197—MRS. DUCKIE HIKER—In the full as we her husband. Constructed in the same manner as N74196. Hand decorated in blue, red, yellow and black. Complete with pull cord. Height, 9½ inches. Length, 7 inches. Packed one in a carton 9.00

Sand Bucket

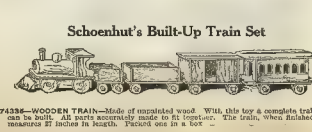


N74228—SAND BUCKET—Made of wood, hand painted, with wooden bead handle and metal shovel. Size 5½x8⅝ 10.00

Horse on Wheels

N74198—HORSE ON WHEELS—Made of wood with pull cord attached. Black and white, black and red. Size, 7x8 inches. One in a box 8.00

Schoenhut's Built-Up Village



N74336—BUILT-UP-VILLAGE—A new wooden construction toy. With this toy a child can build a whole village. Made of nice clean wood. The windows, doors, etc., are printed on a white sheet of gummed paper which the children can cut out and paste on the buildings. Size, 6¼x4¼x3 inches. Packed one in a box 10.00

Schoenhut's Built-Up Train Set

N74336—WOODEN TRAIN—Made of unpainted wood. With this toy a complete train can be built. All parts accurately made to fit together. The train, when finished, measures 37 inches in length. Packed one in a box 15.00

Ted Ray Wood Clubs

Steel Shaft

Drivers—Brassies—Spoons

Ted Ray, the famous British professional winner of the British Open in 1912 and the American Open in 1920, needs no introduction to golfers. His tour of America in 1920 has made him a firm favorite.

Ted Ray drivers, brassies and spoons are clubs built to meet the demand for popular priced steel shafted clubs

These clubs are made with plain face and Wilson bell top tapered calfskin grips. The Union Hardware Company patented seamless steel shafts are made from drawn steel which has no joints or seams to open, producing a far more durable shaft. Made in men's right and left hand and women's left hand models.

No. 11R274. Driver. Each **4.00**
No. 11R275. Brassie. Each **4.00**
No. 11R276. Spoon. Each **4.00**

Macdonald Smith

Steel Shaft

Drivers, Brassies, Spoons

Macdonald Smith, considered one of the world's most brilliant players, has made two sensational bids for the British Open Championship, won the Metropolitan Open in 1924 and 1926 and tied with his brother for the U. S. Open in 1910.

Macdonald Smith Autographed Drivers, Brassies and Spoons are the exact duplicates of this Champion's own clubs. They have broad, deep faces with slight bulge and fairly large heads. Hammered steel driving face. Bell top, link olive green grips. Made with the improved new Union Hardware Co patented seamless shafts. Made of drawn steel these new shafts have no joints to open, insure greater strength and perfect uniformity giving the club just the right feel and balance.

Steel Shaft

No. 11R266. Driver. Each **7.15**
No. 11R268. Brassie. Each **7.15**
No. 11R270. Spoon. Each **7.15**

If left handed models are wanted put an X after catalog number.

Thus: 11R266X.

Walker Cup Golf Clubs

Steel Shaft Drivers, Brassies, Spoons

Walker Cup models are exclusive Wilson creations possessing several features of design which have made these clubs an international choice. They are complete in every detail.

Walker Cup Drivers, Brassies and Spoons are perfectly matched as to weight —balance—feel—lie—torsion—and resilience. Head especially designed, fairly large and slightly bulged, natural wood finish. Fancy metal lock screw face. Cannot chip or crack from climatic conditions. Face colors differ on driver, brassie and spoon. Alumo metal backs, combination alumo and brass sole plate. Bell top link treated leather grips.

All woods registered. May be purchased singly, in pairs, or matched sets of three. Finest hickory or bamboo finished steel shafts. For men or women

No.		Each
11R277.	Driver...	10.00
11R278.	Brassie..	10.00
11R279.	Spoon ...	10.00

The Wilson Sharpshooter Putter is considered one of the most attractive putters made. The head of this model is of highly polished Alumo Metal and the dual faces are inlaid with solid brass. Great accuracy is made possible through the use of this club as it is constructed on the center shafted principle which makes for perfect balance. Can be used by right or left hand player.

No. 11R271. Sharpshooter (Hickory Shaft). Each..... 4.25

The Amby-Dex Putter is a center-shafted wood head club with dual faces of brass. It is exceptionally well balanced. Can be used by right or left hand player.

No. 11R272. Each..... 4.75

The Kelley-Klub is ideal for putting. It has a "feel"—an indefinable balance which inspires confidence in sinking the long as well as the short ones. This club has achieved unusual popularity. Can be supplied in right hand model only.

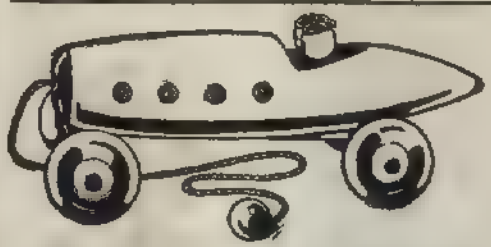
No. 11R273. Each..... 4.75

Tinker Toys and Ted Toylers

A Wise and Winsome Steed who can stand on front or hind legs or only on one at front or back. He also turns his head to look at you. Colored attractively and is 5⅛ in. long. Packed each in box.
No. 39N232. Per dozen 4.70

TINKER TOY—THE WONDER BUILDER

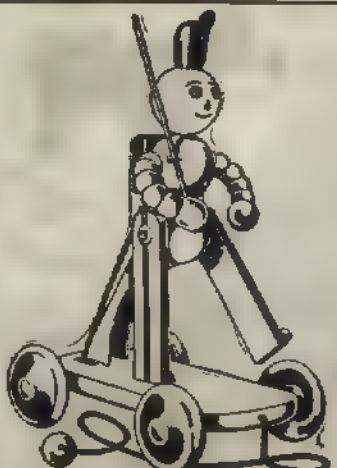
Made entirely of smooth white birch rods and connecting hubs that can be assembled in a thousand and one different ways. Direction book packed with each set, showing many models. A second or third set can be added to build models of larger size. Each complete set in metal end screw top container, that can be mailed.
No. 39N105. Per dozen. 5.88



A Dazzling Shiny Yellow Speedster that gives forth a realistic roar as it is drawn across the floor. Has the driver and mechanic in the seat and thrills the child who sees it. Brightly colored with high enamel finish. Is 9¼ inches long. Packed each in box.
No. 39N236. Per dozen. 7.84

Horse gallops madly along the street and his feet can be turned down to clatter just like a real horse on cobblestones. Brightly colored wood in high finish. Stands 7½ in. high. Packed each in box.
No. 39N233.

Per dozen. 7.84



Gorgeous in his Uniform of Red and Yellow, with knapsack on his back and rifle on his shoulder he marches forward with the goose step fascinating the youngsters who watch him. Brightly colored with brilliant enamel finish. 10¾ inches high. Packed each in box.
No. 39N234. Per dozen . . . 7.84

A Jolly Tar, just in from a long cruise and with sea roll still in his legs. Body, head and hands and feet made of wood of bright colors and has brilliant enamel finish. Arms and legs made of fancy colored rope. Mounted on green metal with red wheels. 9½ inches high. Packed each in box.
No. 39N235. Per dozen . . . 7.84

This Happy Clown turns back and front somersaults as you pull him along. Has wire arms and rope legs and wooden body, head, hands and feet are brightly colored with high finish. Is 10¼ in. in height. Packed each in box.
No. 39N237. Per doz. 7.84

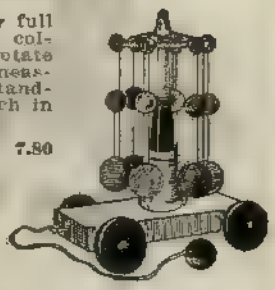
Go and Hustler Wood Toys

TIP-TOE

A Cute Little Dancer full of life and color. The skirt spreads out in real dancing fashion as the body revolves. Heavy gauge metal base. Each packed in attractive box. Height 7¼ inches.

No. 39N106. Per dozen.... **3.90**

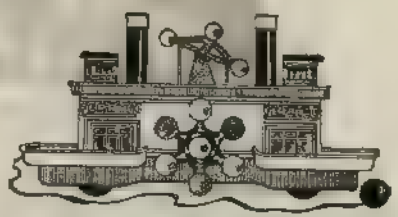
WHIRLY-GO



A Wonderful Little Toy full of action and beautifully colored. Beaded pendants rotate and fly out horizontally, measuring 14 inches across. Standing height, 9 inches. Each in attractive box

No. 39N194. Per dozen... **7.80**

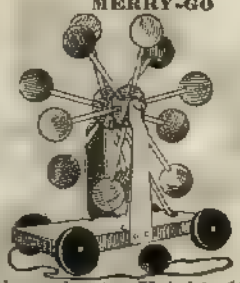
FERRY-GO



The Old Ferryboat has taken on new life. Brilliant in color, full of action. Paddle wheels and walking beam trimmed with colored enameled beads go simultaneously into action when toy is pulled over a surface. A foremost creation. Length 11 inches. Each in attractive box.

No. 39N190. Per dozen... ..... **7.80**

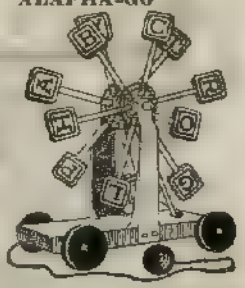
MERRY-GO



The Original Go-Toy has become a twin. Two rotors having enameled ball ended arms revolve rapidly in opposite directions when pulled forming rainbow bands of color. Built Go-Toy fashion, sturdy throughout. Height 16 inches. Packed each in attractive box

No. 39N191. Per dozen..... **7.80**

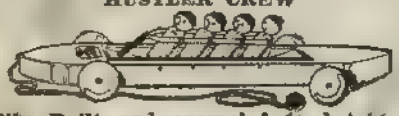
ALAPHA-GO



Two Rotors of colored embossed blocks, revolving in opposite directions. Educational, colorful. Built Go-Toy fashion. Substantially constructed. Height 10 inches. Packed each in attractive box.

No. 39N192. Per doz... **7.80**

HUSTLER CREW



Sturdily Built and enameled in bright colors. Made of wood and metal. Figures move backward and forward when toy is pulled across floor. 3 inches high by 1¼ inches long. Each in carton.

No. 39N154. Per dozen..... .... **7.84**

HUSTLER PUP

Life-Like Looking, neatly finished. Dog and wheels made of wood and enameled in black and white. Frame of steel; finished in red enamel. Toy runs and barks. 8 inches high by 8 inches long. Each in attractive carton.

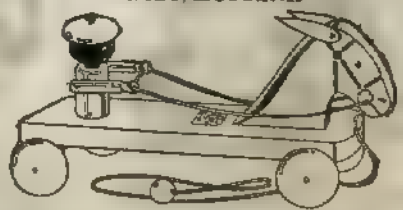
No. 39N151. Per doz. **7.84**

LARRY HUSTLER

Larry Hustler. His horse and wheels are made of wood and finished in bright enameled colors. Frame and axles are of steel. 8⅞ inches long, 8⅛ inches high. A toy with lots of action. Each in neat carton.

No. 39N153. Per doz. **7.84**

SAMBO HUSTLER



Sambo Hustler the mule driver. Made of wood and finished in bright and attractive colored enamel. When pulled by string, he jerks the lines continually to make the mule go. 12 inches long and 5¾ inches high. Each in carton

No. 39N155. Per dozen.. ... ... **7.84**

Games

Ten Pin Games

Per doz.

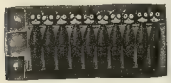
G6630—TEN PINS—Enameled high grade finish in bright colors, each set in an attractive lithographed box. The dimensions of the pins are 1x4 inches, and the balls are 1⅛ inches in diameter. One in a box 4x11 inches. **4.00**

Per doz.

G6681—TEN PINS—The same grade and finish as those shown in G6630, only a little bit larger in size. The pins are 1¼x5 inches, the balls 1⅜ inches in diameter. Packed one in a box, 5¼x13½ inches ... **8.00**

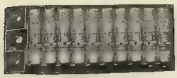
Per doz.

G6723 TEN PIN SET—Consists of two lacquered wood pins with painted stripes and three balls, length of pins 5 inches. Packed in a partitioned box. Size 3x13 inches. **8.00**



Per doz.

G6724 TEN PIN SET—Black enameled Foltz character, each set consisting of ten pins, length 5 inches, and three painted balls. Packed in a partitioned box, size 6x14 inches. **12.00**



Per doz.

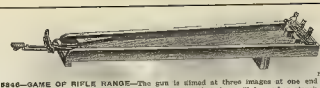
G6725—TEN PIN SET—Soldier figures painted in attractive colors, consisting of ten pins and three colored balls. Length of pins 5½ inches. Packed in a partitioned box, size 6½x14¼ inches ... **16.00**

Per doz.

G6523—TEN PINS—Enameled high grade finish in bright colors. Size of pins 1¾x6 inches, ball 1½ inches in diameter. Each set in an attractive lithographed box. Size 6x14 inches ... **16.00**

Per doz.

G6524—TEN PINS—Same as No. G6523 except size. Pins 1 1/7x7 inches, balls 1⅞ inches in diameter. Packed each in a lithographed box. Size 7x21 inches ... **24.00**



Per doz.

G6846—GAME OF RIFLE RANGE—The gun is timed at three images at one end of the wedge shaped board. These are pivoted so that they will drop when struck by a marble from the gun. Board is made of clear hardwood stained and finished attractively. Images made from iron, nicely nickeled. The gun is fool-proof and practically indestructible. Extreme length, 25 inches ... **12.00**

Per doz.

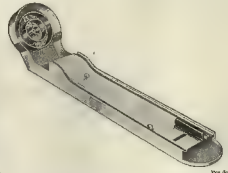
G5875—BOWLING ALLEY—Made of hard wood, size 2x28 inches. The ball is delivered by a spring and trip arrangement, which can be adjusted to any angle. The game is finished in three colors and packed ¼ dozen in a carton, not broken. **12.00**

Each

G5810—BOWLING ALLEY—Strongly made of first-class hardwood and is finished in high grade varnish. The delivery of the ball is by a spring and trigger arrangement. Size of board 40 inches long and 7¼ inches wide. A book of score sheets and a card of instructions comes packed with each in a carton **2 34**

Each

G5674—BOWLING ALLEY—The only game of its type with the automatic pin setter, merely a pull of the ring in the end of the board and the pins are all set, ready for the next roll. The delivery of the ball is by a spring released by a trigger. A five-eighths inch solid steel ball is used. Provides fun for young and old as no time is wasted setting pins. Size, 3x39 inches ... **2 00**



Per doz.

G5897—SKEE BALL ALLEY—Made of heavy metal, enameled in yellow, red and black. Has a spring shooter, two balls and a ball return. Length 19⅝ inches. Width 2 inches. Packed each in a carton. **18.00**

Per doz.

G5895—BOWLING ALLEY—Made of metal, enameled in yellow, red and black. Has automatic pin setter shooter, 10 pins, 2 balls and instruction sheet. Size 17 inches long, 3 inches wide. Packed each in a carton ... **16.00**

Each

G5699—BOWLING ALLEY—Made of metal enameled orange, red and black. An exact duplicate bowling alley. Has automatic pin setter ball return, spring shooter, 10 pins, 2 balls and instruction sheets. Size 34 inches long, 4⅜ inches wide. Packed each in a box ... **2.75**

Fish Ponds

Per doz.

G6031—FISH POND—A low priced edition, containing eight fish, two poles and lines. Lithographed inside paper and label. Size 9¼x15⅝ inches. Packed ¼ dozen in a package, not broken ... **4.00**

Per doz.

G6032—FISH POND—Twenty-two fish, two poles; box made with ball-up tray, with slots in which to place the fish. Size 9¼x19 inches. Packed ¼ dozen to a package, not broken ... **8.00**

Per doz.

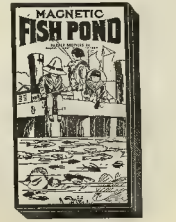
G6075—MAGNETIC FISH POND—Consists of lithographed cardboard well, two poles with string and magnets, 9 lithographed cardboard fish. Comes complete in a lithographed box. Size 10½x17½ inches. ¼ dozen in a package, not broken **4.00**

Per doz.

G6079—MAGNETIC FISH POND—Consists of lithographed cardboard well, two poles with string and magnets, 18 lithographed cardboard fish. Comes complete in a lithographed box. Size 11¾x23¾ inches. ¼ dozen in a package, not broken **8.00**

Per doz.

G6033—MAGNETIC FISH POND—A very good edition, containing lithographed cardboard well, two poles with string and magnets, 8 fish. Lithographed label. Size 9¼x17¾ inches. Packed ¼ dozen in a package not broken ... **8 00**



Per doz.

G6032—MAGNETIC FISH PONDS—This magnetic set both in appearance and quality of fittings is of extra. Box size 15x9½ inches. Packed ¼ dozen in a box, not broken ... **8.00**

Spelling Boards

Letters and Anagrams

G6025

Per doz.

G6034 — ANAGRAMS — "Letters." In this edition the letters are printed on heavy cardboard, and put up in box. Size 6x9¼ inches. Packed ½ dozen in a package, not broken 4.00

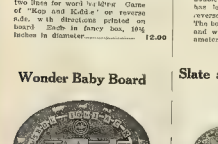
G6028— ANAGRAMS — Letters may be made to lay flat or stood upright on edge in box. Contains 150 letters. Size 8x13½ inches. Packed ¼ dozen in a package, not broken 8.00

Button Spelling Board

Per doz.

G6127 —NEW ROUND BUTTON SPELLING BOARD—This number carries a spelling act of entirely new letters on our patented round top buttons. It is designed with beautiful art work. The eight border pictures depict Bubbles that older people will repeat at sight. Size 18x24½ inches. Elliptical oval design. Packed one in a fancy box 8.00

Combination Spelling and Game Board



Per doz.

G6618 — COMBINATION SPELLING AND GAME BOARD—Beautifully colored in red, white and black, made of solid hardened fibre, has two Dots for word building Game of "Hop and Kick" on reverse side, with directions printed on board Each in fancy box, 10½ inches in diameter..... 12.00

Wonder Baby Board

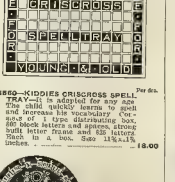
Per doz.

G6619—WONDER BABY BOARD A double-sided Spelling Reader and Picture Builder of red, black and white enamel Picture and Reading blocks. Two long parallel Reading lines hold the alphabet from A to Z. Very strong and durable, but extremely light Size, 9x12½ inches 16.00

Spelling Boards

Per doz.

G6139 — READER SPELLER COUNTER BOARD—Contains 44 movable letters for word building on front side, and 44 movable numbers and arithmetical signs for counting and problems on reverse side Light in weight and free from sharp edges Size, 13 inches. 16.00



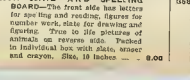
Per doz.

G6860—KIDDIES CRISCROSS SPELLTRAY—It is adapted for any age The child quickly learns to spell and increase the vocabulary Consists of large hardwood box, 60 block letters and spacers, strong built letter frame and 625 lessons Each in a box. Size 11¾x14 inches 18.00

Each

G6140—WORD AND FIGURE BOARD —Three Lines for word build ng and number work, with 52 characters on each side of board in large double faced blocks The front side has letters and pictures, on the reverse side are numbers and signs. The board is enameled in red, black and white Size, 14 inches in diameter One in a package..... 2.00

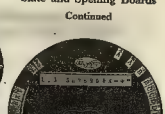
Slate and Spelling Boards



Per doz.

G6617—SLATE AND SPELLING BOARD—The front side has letters for spelling and reading, figures for number work, slate for drawing and figuring. Also 10 fine pictures of animals on reverse side. Packed in individual box with slate, eraser and crayon. Size, 10 inches 8.00

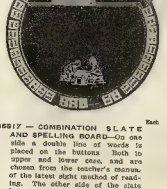
Slate and Spelling Boards Continued



Per doz.

G6815— SLATE AND SPELLING BOARD contains a complete set of numerals, an alphabet and an extra set of vowels. Size 10 inches 8.00

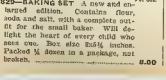
G6816 — LITHOGRAPH BACK SLATE—Sixty-four characters for spelling and arithmetic. Two lines for building words and with back lithographed picturing a circus. Size, 12 inches..... 16.00



Each

G6817 — COMBINATION SLATE AND SPELLING BOARD—On one side a double line of words is placed on the buttons Both in upper and lower case, and are chosen from the teacher's manual of the latest sight method of reading. The other side of the slate has letters and numerals that makes play of arithmetic, spelling, etc Both sides are slates and can be written and drawn upon. Size 12 inches, ... 2.00

Baking Set



Per doz.

G5829—BAKING SET A new and enlarged edition. Contains flour, soda and salt, with a complete outfit for the small baker Will delight the heart of every child who sees one. Box also 8x6½ inches. Packed ¼ dozen in a package, not broken 8.00

Toy Town Telegraph

Per doz.

G5918—TOY TOWN TELEGRAPH OFFICE—Small but complete. Enables right letter and cable telegraph blanks, envelopes and toy morse, Morse code, telegraph instrument or tinker, lithographed cardboard office, etc ¼ dozen in a package, not broken 8.00

G5925—POST OFFICE GAME — Small but complete. Outfit consists of Postoffice front, letter carrier cap, mailing equipment, etc. ¼ dozen in a package, not broken. 8.00

Washing Set

Per doz.

G5920—SUNNY MONDAY WASHING SET Comprises set containing wooden wash tub, ironing table, clothes pins, clothes line, wringer, an iron and stand and various soaps and washing compounds. The game appeals strongly to little girls who are thus able to wash the dolls' clothes. It is the best article of the kind made. Size of box, 21½x8 inches. Packed ¼ dozen in a box, not broken..... 16.00

Dealers' Holiday Signs

G5860— MUSLIN CHRISTMAS GOODS SIGN—Size 2x5 feet. Printed in colors. Sun, rain and snow proof Each in envelope 1.80

Each

G5861—MUSLIN HOLIDAY GOODS SIGN—Size 2x10 feet. Printed in colors, sun, rain and snow proof. Each in envelope 3.00

ILLINOIS WATCHES

SPRINGFIELD

Illustrations Actual Size

A Thin Model
12 Size

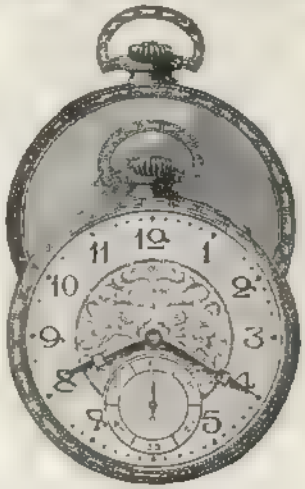
Movement Shown in Queen Style Case
(No Inside Cap)

Cambridge Model

Choice of 14k Green or White Solid Gold Queen style case (no inside cap, as shown) or case with inside cap as described. Furnished in choice of special etched, straight bezel with dial for engraving or plain Butler with engraved border backs. Sterling Silver Inlaid Guilloche etched center dial.

No. 4029 Queen Case (no inside cap), furnished in Green or White 14k Solid Gold with choice of the following backs: Etched, Straight Lined or Plain Butler with engraved border, which specify when ordering. Complete . . $196.40

No. 4030 Inside Cap Case furnished in Green or White 14k Solid Gold, with choice of the following backs: Etched, Straight Lined or Plain Butler with engraved border, which specify when ordering. Complete . . $119.35



Lyon Model

Queen Model Case (No Inside Cap)
Plain Butler Back with engraved border
14k White or Green Gold Filled, chased bezel and case, butler plain back with engraved border as shown. Fancy etched effect dial

No. 4031 14k White Gold Filled Complete $70.25

No. 4032 14k Green Gold Filled Complete 70.25

Lyon Model

Queen Model Case (No Inside Cap)
Straight Lined Back with engraved border
14k White or Green Gold Filled case, bezel and case, straight lined back with etched or engraved center engraved Moire Dial

No. 4033 14k White Gold Filled, Complete . . $70.25
No. 4034 14k Green Gold Filled Complete . . 70.25

The Marquis Autocrat

THE ARISTOCRAT OF WATCHES
17 JEWELS—ADJUSTED TO 3 POSITIONS

THIS watch was produced to meet the demand for an attractive, high-grade, thin model that could be depended upon as an accurate timekeeper. These movements are made of the finest materials obtainable and are thoroughly dependable.

Special quality tempered and hardened compensating balance; double roller escapement; steel escape wheel; gold center wheel; Breguet hairspring; patent regulator; concaved and polished winding wheels; Illinois Motor Barrel and recoil safety click.

These movements can be had in specially designed and extra heavy solid gold or platinum cases. Prices on application

Makers of High Grade Watches Exclusively

Illinois-Springfield Watches

The Autocrat

The Autocrat is a high-grade durable and accurate timepiece at a medium price
A watch of which any man may be proud.

GIFTS THAT LAST

The Autocrat

Showing Autocrat Watch with Engraved Center Dial

Queen style case (no inside cap) furnished in either Green or White 14k Gold Filled, with choice of fancy straight lined back or Plain Butler back with richly engraved border

See Numbers 4013 to 4016 quoted below

Illustration Actual Size

Above Illustration Three-Quarters Size

Showing Autocrat Watch in Display Box for Presentation Purposes

GIFTS THAT LAST

The Autocrat

Showing Autocrat Watch with Plain Silver Butler Dial

Queen style case (no inside cap) furnished in either Green or White 14k Gold Filled, with choice of Silver Butler Plain Dial (as shown) or Silver Engine Turned Dial as quoted. Plain style case engraved edge

See Numbers 4013 to 4024 quoted below

Illustration Actual Size

17 Jewels; Adjusted to Temperature and Isochronism

17 Jewel Autocrat—Illinois-Springfield Movement Fitted in Various Pattern Cases in 14K Green or White Gold Filled, with Choice of Several Dials As Shown and Quoted

The Autocrat

Showing Autocrat Watch with Special Moire Dial

Queen style case (no inside cap) furnished in either Green or White 14k Gold Filled, with choice of fancy straight lined back or Butler plain back with engraved border

See Numbers 4025 to 4028 quoted below

Illustration Actual Size

HARDENED compensating balance with timing screws; double roller escapement, steel escape wheel, gold center wheel, Breguet hairspring, patent micrometric screw regulator, safety screw center pinion, compensated and polished winding wheels, recoil safety click, rayed pattern damaskeening, gilt lettering.

No. 4017—14k Green Gold Filled Queen Case (no inside cap). Full engraved bezel, fancy straight lined back with engraving. Engraved Center Dial. Complete **$60 85**

No. 4018—14k White Gold Filled Queen Case (no inside cap). Full engraved bezel, fancy straight lined back with engraving. Engraved Center Dial. Complete **$60 85**

No. 4019—14k Green Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraved border. Engraved Center Dial. Complete **$60 85**

No. 4020—14k White Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraved border. Engraved Center Dial. Complete **$60 85**

No. 4021—14k Green Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraving. Silver Butler Dial. Complete **$56 20**

No. 4022—14k White Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraving. Silver Butler Dial. Complete **$56 20**

No. 4023—14k Green Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraving. Silver Engine Turned Dial. Complete **$56 20**

No. 4024—14k White Gold Filled Queen Case (no inside cap). Full engraved bezel, Plain Butler back with engraving. Silver Engine Turned Dial. Complete **$56 20**

No. 4025—14k Green Gold Filled Queen Case (no inside cap). Closed bezel, fancy straight line back with shield for engraving. Special Moire Dial. Complete **$60 85**

No. 4026—14k White Gold Filled Queen Case (no inside cap). Closed bezel, fancy straight line back with shield for engraving. Special Moire Dial. Complete **$60 85**

No. 4027—14k Green Gold Filled Queen Case (no inside cap). Closed bezel, Plain Butler back with engraved border. Special Moire Dial. Complete **$60 85**

No. 4028—14k White Gold Filled Queen Case (no inside cap). Closed bezel, Plain Butler Back with engraved border. Special Moire Dial. Complete **$60 85**

Showing Autocrat 17 Jewel Movement in Queen Case

(Plain Movement Illustrated)

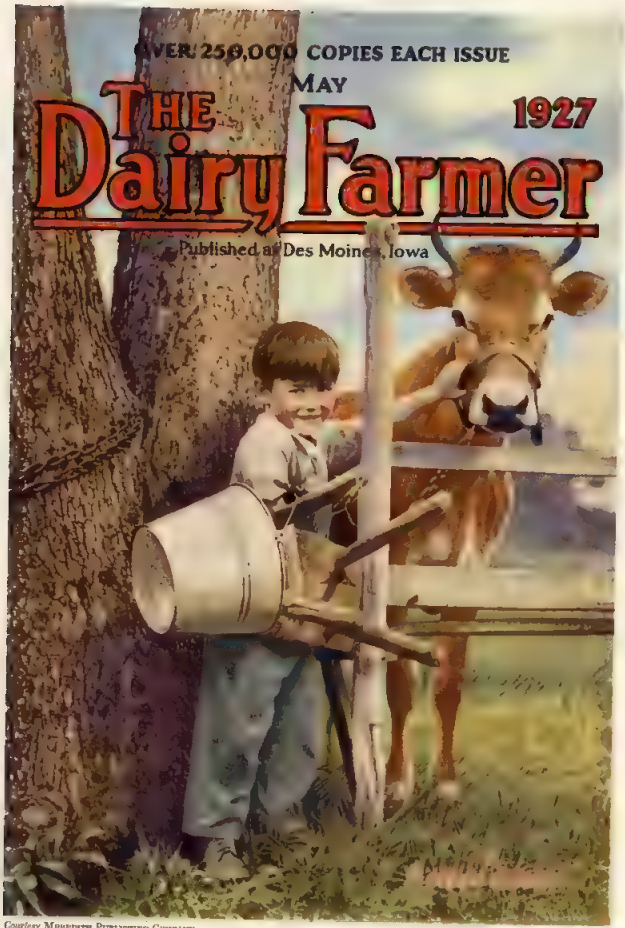
Inside Cap

All cases to which the renewable AUTOCRAT Jewel movement is fitted are the Queen Style cases, here made with no inside caps. Hinged back case fitting closely over the bezel. Case engraving as desired. A complete variety of the case engraving styles of this class of Straight Line Stripped Back with Shield for engraving, or Plain Butler Back with Engraved Border, in either Green or White 14k Gold Filled

PRINTED IN FIVE COLORS, FOUR COLOR PROCESS AND BLUE

THIS INSERT OF EIGHT PAGES

Engraved by HURST ENGRAVING CO., *Printed by* JOHN P. SMITH COMPANY, INC.
ROCHESTER, N. Y.



Courtesy Meredith Publishing Company

Three Color Process Plates—120 Line Screen

MAGAZINE COVER IN THREE COLORS

Art Work by Barnes-Crosby Art Studio *Engraved by* Barnes-Crosby Company, Chicago

THE WORLD'S LARGEST MANUFACTURER OF REFRIGERATORS FOR ALL PURPOSES

For ELECTRIC Refrigeration

A Refrigerator That SELLS Food

A REFRIGERATOR that *sells* food by displaying it temptingly, at the customer's eye-level—by keeping it fresh, wholesome, appetizing in appearance as well as flavor.

This is the McCray 103 shown above with which merchants everywhere are building bigger business, cutting operating costs, avoiding spoilage and increasing profits.

Used with Electric Refrigeration or ice,

every McCray model insures *efficient, economical, enduring service.* Built upon basic patents, in accord with an unyielding ideal, McCrays are the accepted standard of refrigerator quality

For 37 years McCray refrigerators have been giving daily proof in service of the staunchness which marks every hidden detail of construction—in stores, markets, hotels, clubs, restaurants, hospitals, institutions, florist shops, homes. Send the coupon for details about refrigerators for your needs.

McCRAY REFRIGERATOR SALES CORPORATION, Dept. E, Kendallville, Indiana

For further information
MAIL COUPON

McCray Refrigerator Sales Corporation,
Dept. E, Kendallville, Ind.
Please send me [illegible] refrigerators [illegible]

Name _____
St _____
City _____
State _____

McCRAY REFRIGERATORS

New Model for Hotels

A Popular Meat Market

For Economy Hotels, Restaurant Clubs

Popular Model for Grocery Stores

A New Model for Florist Shops

Courtesy McCRAY REFRIGERATOR CO

Combination Line and Halftone—133 Line Screen

MAGAZINE ADVERTISEMENT

Reproduced from One Oil Painting, Six Retouched Photos, Two Pen Drawings and Typesetting

Engraved by BARNES-CROSBY COMPANY, Chicago

150 Screen Combination Line & Halftone Plate

THE DUTCH BOY

Reproduced from a Colored lithograph and Pen drawing of border. Straightline effect in background from Benday tint laid on Halftone negative

Engraved by STREISSGUTH-PETRAN ENGRAVING COMPANY, MILWAUKEE, WIS.

Courtesy of Halle Bros. Co. *Posed and Photographed by Joel Fedor*

AN UNUSUAL FUR ILLUSTRATION

Reproduced from Unretouched photo. Stereoscopic effect obtained by use of Straight line 80 screen of Background and 150 screen of Figure, both negatives stripped into position

Engraved by OSGOOD COMPANY, CHICAGO

Posed by Claie E. Cohan for Eddowes Co., Inc., Photographers *By Courtesy of George W Wheelwright Paper Co. and University Press*
150 Screen Four Color Process Plates

"THE GOLDENROD GIRL"

Reproduced from photograph Retouched in Water Colors

Color Retouched and Engraved by FOLSOM ENGRAVING COMPANY, BOSTON

A JEWELRY CATALOG COVER

Oil Painting by C. K. Van Nortwick

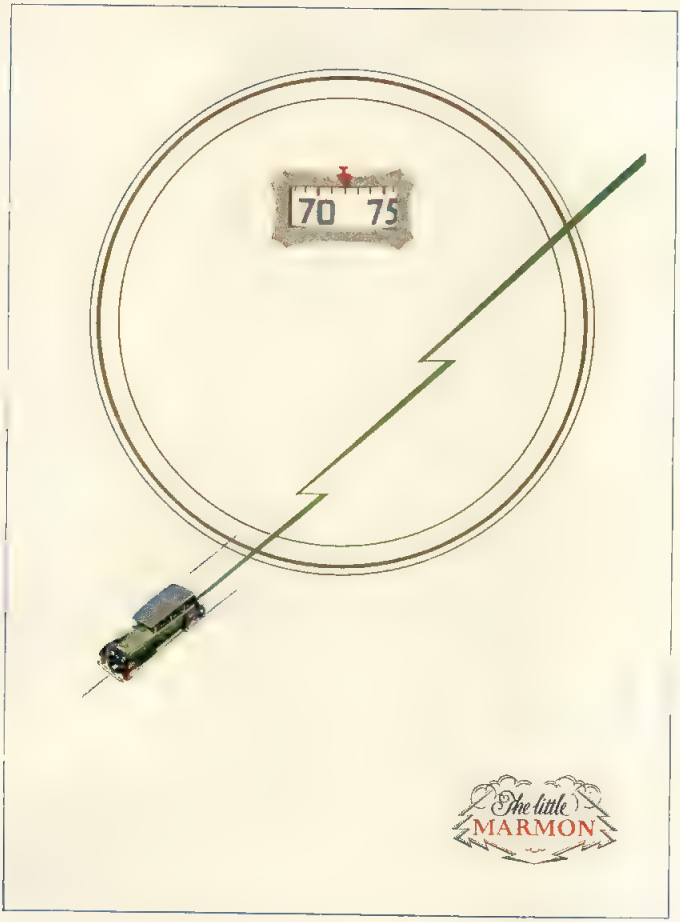
Engraved by THE AD SERVICE ENGRAVING COMPANY, CLEVELAND

Cut Screen Duograph Plate

A HOUSE ORGAN COVER

Reproduced from Unretouched Glossy Bromide photo print

Engraved by Eastman Kodak Company, Rochester, N. Y.



Courtesy of Marmon Motor Car Co.

Prepared by Homer McKee Advertising Agency

120 Screen Four Color Process Plates

"YOUR STORY IN PICTURES LEAVES NOTHING UNTOLD"

Reproduced from Water Color drawing. Printed from Wax Mould Steeltypes

Engraved by INDIANAPOLIS ENGRAVING COMPANY, INDIANAPOLIS, IND.

Original in the possession of Messrs. Henry Graves & Co., Sloane St., LONDON ENG

THE MARKET PLACE, HERTOGENBOSCH, HOLLAND.

by John E. Aitken, Esq.

The Mary II "Treasure" Solid Silver

		Dozen
H4389.	Tea Spoons, 5 o'clock	$25.50
H4391.	Tea Spoons, medium	30.00
H4392.	Tea Spoons, heavy	37.00
H4385.	Dessert Spoons, heavy	67.50
H4384.	Table Spoons, heavy	90.00
H4393.	Soup Spoons, heavy	70.50
H4396.	Dessert Forks, heavy	63.75
H4397.	Dessert Knives, H H stainless	61.50
H4398.	Dinner Knives, H H Stainless	69.00
H4399.	Dinner Forks, heavy	90.00

FANCY DOZENS

		Dozen
H4400.	Berry Forks	$25.50
H4401.	Bouillon Spoons	45.40
H4402.	Butter Spreaders, flat	16.40
H4403.	Coffee Spoons	19.00
H4404.	Fruit Knives, H H	60.00
H4405.	Grape Fruit or Orange Spoons	40.40
H4406.	Ice Cream Forks	44.00
H4407.	Iced Tea Spoons	30.00
H4408.	Oyster Forks	31.00
H4409.	Salad Forks, Ind	54.00
H4410.	Salt Spoons, Ind	14.00

FANCY SINGLE PIECES

		Each
H4411.	Berry Spoon	$14.00
H4412.	Bon Bon Spoon	4.20
H4413.	Bon Bon Tongs	2.50
H4414.	Bread Knife, H H	7.50
H4415.	Butter Knife	7.00
H4416.	Cake Server, stainless steel blade	8.50
H4417.	Cheese Server, H H	8.50
H4418.	Cold Meat Fork	10.20
H4419.	Cream Ladle	4.80
H4420.	Cucumber Server	10.20
H4421.	Egg Server	7.50
H4422.	Gravy Ladle	5.50
H4423.	Jam Spoon	4.20
H4424.	Jelly Server	4.20
H4425.	Lemon Fork	2.80
H4426.	Olive Fork, short	3.00
H4427.	Olive Spoon, short	4.20
H4428.	Pickle Fork, short	3.00
H4429.	Pie Server, stainless steel blade	8.00
H4430.	Salad Fork	14.00
H4431.	Salad Spoon	14.00
H4432.	Serving Fork, large	14.00
H4433.	Sugar Spoon	4.80
H4434.	Sugar Tongs, large	5.80
H4435.	Tomato Server	14.00

CARVING SETS STAINLESS

		Per Set
H4436.	Meat, 3-piece, with guards	$46.40
H4437.	Game, 2-piece, with guards	35.00
H4438.	Steak, 2-piece, with guards	15.00
H4439.	Chop, 2-piece, without guards	13.00

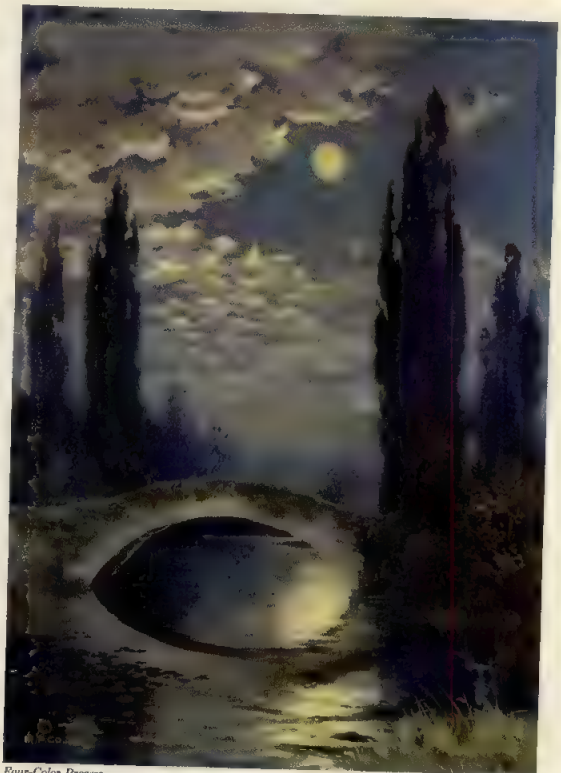
SETS

		Per Set
H4440.	Baby Set, Fork and Spoon	$ 5.50
H4441.	Child's Set, 3-piece	12.00
H4442.	Olive Set, Fork and Spoon, short	7.50
H4443.	Salad Set, Wood, Fork and Spoon	14.00

The Mary II "Treasure" Solid Silver

MARY II

H4444.	5 piece Set	**$760.00**
H4445.	Coffee Pot	**230.00**
H4446.	Tea Pot	**220.00**
H4447.	Sugar	**140.00**
H4448.	Creamer	**104.00**
H4449.	Waste	**76.00**
H4450.	Kettle	**500.00**
H4451.	Tray, 28 inch	**800.00**
H4452.	Water Pitcher	**170.00**
H4453.	Berry or Salad Bowl	**90.00**
H4454.	Compote	**35.00**
H4455.	Mayonnaise Bowl	**38.00**
H4456.	Goblets, per dozen	**500.00**
H4457.	Salt and Pepper, pair	**39.00**
H4458.	Bread and Butter Plate	**17.00**
H4459.	Sandwich Plate	**54.00**



Four-Color Process *Courtesy* MERCHANTS PUBLISHING COMPANY

THE MYSTIC HOUR

Engraved and Printed from CLAYBOURN CORRECTED PLATES *by Manz Corporation, Chicago*

Card Games Continued

GS166—GAME OF RADIO A "setting and listening" game for children and young people. The game of "Junior" and Broadcast are played with the same cards. Comes in gold-stamped assorted blue and brown cases, cards assorted. Packed 6 doz. in a beautiful display carton. 60¢ boxed. Per doz. 5.00

Per doz.

GS886—PARISIAN FORTUNE TELLER—Good edition of fortune-telling cards. Packed ¼ dozen in a package, not broken 4.00

Per doz.

GS029—FORTUNE TELLER—Consists of a pointed fortune teller with a magic wand who points out the destinies of men and ghosts of fairies. In attractive box. Size, 11½x7½. Packed ¼ dozen in a package, not broken 2.00

GS004—WIZARD FORTUNE TELLER—With these cards one can read the past, present and future, and "Spirit and Surprise" are provided for the evening. Illustrated designs of various characters and objects which influences fortune. Size 5¼x7½. In Packed ¼ dozen in a package, not broken 8.00

Per doz.

GS168—GYPSY WITCH FORTUNE TELLING PLAYING CARDS—Madame Le Normand, 53 cards, super-ornamented 12.00

Per doz.

GS980—CRYSTAL GAZER—Interesting fortune-telling game in a neat box with spinning apparatus and fortune-telling cards. Size 10½x12½ inches. ¼ dozen in a package, not broken 18.00

Per doz.

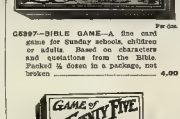
GS894—PETER CODDLE—Size of box 6x9¼ inches. Packed ¼ dozen in a package, not broken 4.00

Per doz.

GS898—OLD TESTAMENT PROVERBS—A card game based on characters and quotations from the old Testament, especially well adapted to Church Societies and Sunday Schools. Packed ¼ dozen in a package, not broken. Per doz. 4.00

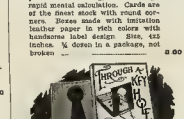
Per doz.

GS899—NEW TESTAMENT QUOTATIONS—An instructive and interesting card game based on characters and quotations from the New Testament. Ideal for Sunday games in the home. Packed ¼ dozen in a package, not broken. Per dozen 4.00



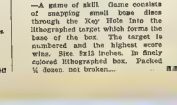
Per doz.

GS897—BIBLE GAME—A fine card game for Sunday schools, children or adults. Based on characters and quotations from the Bible. Packed ¼ dozen in a package, not broken 4.00



Per doz.

GS006—GAME OF TWENTY-FIVE—A splendid game for children. Simple and interesting, and develops rapid mental calculation. Game is one of the finest stock with round corners. Boxes made with imitation leather paper in rich colors with handsome label design. Size, 6½ inches. ¼ dozen in a package, not broken 3.00



Per doz.

GS883—THROUGH THE KEY HOLE—A game of skill. Game consists of snapping small brass discs through the Key Hole into the lithographed target which forms the base of the box. The target is numbered and the highest score wins. Size 8x13 inches. In finely colored lithographed box. Packed ¼ dozen not broken... ¼

Per doz.

GS044—SPOOF Played with fifty-two cards and set of hatens. Cards are of unique design, representing artistic designs based on symbols used by the Incas Indians of ancient Peru. They are lithographed on fine card stock, round cornered, and high ivory finish, with attractive design on back of card. The directions are easily learned with one reading, and so explicit that a child can understand them. Put up in attractive partitioned box, with lithographed label. Size 7¼x 5¼ inches. ¼ dozen in a package, not broken 12.00

Per doz.

GS004—FLAGS—Handsome pack of fifty cards, showing the flags of all the leading nations of the world, richly reproduced in their full colors, and printed on the highest quality enamel stock. Put up in new style boxes. Size, 6x4 inches. ¼ dozen in a package, not broken 12.00

Per doz.

GS003—GAME OF BIRDS—The cards and plates are exquisitely made. 48 cards in pack, together with a large number of counting checks, complete in handsome box, with full instructions. Size of box, 8x4 inches. ¼ dozen in a package, not broken 12.00

Per doz.

GS882—POLLY PUT THE KETTLE ON—Game consists of old fashioned crane with aluminum kettle and a device with a spring for snapping small iron balls into the kettle. Size, 7½x8½ inches. Packed in handsome colored lithographed box. ¼ dozen, not broken..... 12.00

Per doz.

GS046—GOGOMACHY—This game comprises seventy-two round cornered cards, with full-colored pictures and letters thereon. It is one of the best methods for teaching spelling ever devised, as it combines interest and excitement, and every point scored is governed by the number of words correctly spelled in each game. May play Put up in durable box with attractive label. Size, 5¼x3½ inches. ¼ dozen in a package, not broken..... 16.00

Per doz.

GS884—TRIP TRAP—Parlor trap shooting. Consists of nine colored wood discs over numbered spaces in a removable cardboard tray, spring trap guns and colored wood balls. The idea is to shoot the balls into the highest numbered spaces. Size of box 10½x11¾x1¾ inches..... 18.00

Per doz.

GS861—REG'LAR FELLERS—A novel card game, introducing Jimmy Dugan and his pals associated with him in the cartoon. Lithographed in colors on good quality card stock. Fifty-two round cornered cards and a supply of "Jelly-beans" (wooden beads) in partitioned box with build-up. Lithographed label in colors. Size, 8¼x7¼ inches 6.00

Per doz.

GS862—GASOLINE ALLEY—Walt, Skeezix, Phyllis, Avery and other well-known characters combined in a card game of new and clever playing qualities. Fifty two round cornered cards in partitioned box with build-up. Lithographed label. Size, 6¾x7¼ inches..... 16.00

Per doz.

GS995—WONDER SERIES—This series consists of the following six titles: Peter Coddle, Old Maid, Snap, Authors, Three Bears, and Fairy Tales. Size 4¼x5¼ inches. Packed one dozen assorted in a box, not broken..... 1.80

Per doz.

GS996—ASSORTED CARD GAMES—Twelve titles, including Anagrams, Snap, Guyon, Fortune Teller, Decades, Lost Heir, Home History game, etc. Size 4¼x5¼. Packed one dozen in a package, not broken 2.40

Card Games

G8160—SOME'R SET—Highly snappy and original card game; fancy telescope case; the popular game for a popular price ..... Per doz. 4.20

G8073—FOOLISH QUESTIONS CARD GAME—Latest and funniest game by R. L. Goldberg, the famous cartoonist; 51 cards; complete in a box with rules. ¼ doz. in package, not broken..... Per doz. 5.50

G8078—RUMMY—This popular edition of Rummy is made with enameled round-cornered cards in attractive colors and with booklet explaining Rummy and a dozen other games.
Per doz..... 8.00

G8686—RAP RUMMY—A new method of playing this well known game. At any time if a player thinks he has a better hand than any one, he raps on the table, and all the hands are thrown. Size 2¾x4 inches. ¼ dozen in a package, not broken ..... Per doz. 6.00

G8043—RUMME—Fifty-three round cornered cards, enameled finish with full directions for playing Rummo and eleven other card games such as Bonn, Gonn, Turkette. Size 2x3¼ inches. ¼ dozen in a package, not broken.... Per doz. 6.00

G8187—GAME OF BUNCO—The ever wonderful and popular card game. Fine enameled stock..... Per doz. 10.50

G5602—MATCHEM—Played with fifty-three cards and designed especially for children and simple enough to be easily understood by them. ¼ dozen in a package, not broken ..... Per doz. 8.00

G8170—GAME OF DOUBLE SOME'R SET AND TALLY HO—Two games in one; in fine enameled cards; put up in telescope case..... Per doz. 10.80

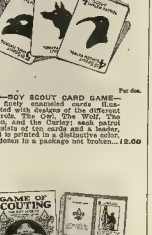
G8173—GAME OF FLINCH—Grade 1, 110 cards; fine enameled stock; in neat box with rules and explanations ..... Per doz. 11.00

G8078—PIT—New Bull and Bear Edition, 61 finely enameled cards, ¼ doz. in package, not broken..... Per doz. 11.00

G8878—ROOK CARDS—For playing ten good games "Rook," "Tumbo," "Flinch Simplified Rubber," "Pitz," "Pachandola," "Double It." Size 2¾x4¾ inches. Packed in handsome cardboard box. ¼ dozen in package, not broken ..... Per doz. 11.00

G8993—TOURING—The game covers the happenings and mishaps of an automobile tour. The player or partners first completing the tour is the winner. Size of box 3¾x5¼ inches. ¼ dozen in a package, not broken..... Per doz. 12.00

G8877—RUMMY AND PLAZA—Plaza is a development and a great improvement for home uses on the old game of Rummy, which is now widely known about a decade ago. The pack consists of 60 cards divided into five sets and affords the highest possible efficiency for the game. Rules for both Rummy and Plaza come with the game. In the play of Plaza the cards are "baized" upon the table in long rows of the same color ..... Per doz. 12.00

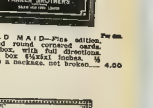


G8880—BOY SCOUT CARD GAME—80 finely enameled cards. Illustrated with designs of the different patrols. The Owl, The Wolf, The Lion, and the Curlew; each patrol consists of ten cards and a leader, and is printed in a distinctive color. ¼ dozen in a package not broken..... Per doz. 12.00

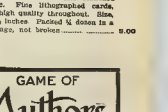
G8070—SCOUTING—Published under license from the Boy Scouts of America. As the game is played the players learn about the different divisions and branches of the organization. Size 6¼x7¼ inches. ¼ dozen in a package, not broken..... Per doz. 6.00

G8378—DUR-O-DECK PLAYING CARD TILES—Can be used for playing all well known card games. Plastic or water proof and impressed, making them very durable. Size, 2¾x4 inches..... Per doz. 22.40

G8002—OLD MAID—This Old Maid pack is a good set of very commercial cards lithographed by bright colors. Size 2¾x3¼ inches. Packed one dozen in a package, not broken. Per doz. 1.00



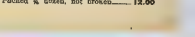
G8926—OLD MAID—Fine edition. Enameled round cornered cards. Showy box, with full directions. Size of box 4¼x6¼ inches. ¼ dozen in a package, not broken. Per doz. 4.00



G8003—OLD MAID DE LUXE—An edition de luxe of this standard game. Fine lithographed cards, and high quality throughout. Size, 4x6¼ inches. Packed ¼ dozen in a package, not broken ..... Per doz. 9.00

G8882—FAMOUS AUTHORS—Fine quality throughout. Complete game with full directions. Size of box 4¼x6¼ inches. ¼ dozen in a package, not broken..... Per doz. 4.00

G8998—AUTHORS—Fine half-tone portraits of present-day authors, box stamped in two colors of ink leaf. Size 6x8¼ inches. ¼ dozen in a package, not broken..... Per doz. 8.00



G5993—AUTHORS DE LUXE—The most beautiful game of authors ever published. The number of consting checks count as in the game, which in its improved form is radically superior to the old game of Authors. There are 50 cards in the pack. Size of box 8x8 inches Packed ¼ dozen, not broken..... Per doz. 12.00

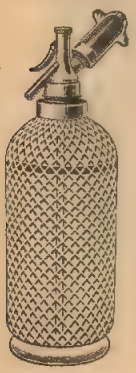
YOUR OWN SODA FOUNTAIN AT HOME

THE SPARKLET SYPHON

For Carbonating, Softening and Sterilizing Water and Other Beverages

The enormous consumption of beverages has established a waiting market for the soda fountain in the home as well as for the sportsman, camper, tourist and hundreds of thousands who travel The entire family can enjoy when wanted the kinds of beverages they prefer, made absolutely pure and sparkling by using a Sparklet Syphon.

The Sparklet Syphon makes it easy to carbonate all fruit flavors and other beverages for the entire family at a cost less than half the price of a glass of soda water. Sparklet Syphons are convenient for the use of dietists, convalescents, children, elderly people and those who desire pure, refreshing sparkling water with milk and other beverages. Easy to use. A sparker, which contains just enough carbon dioxide to charge one quart of liquid (one quart is designated by red line on bottle—never put in more, is placed in handle or bulb holder, the bulb holder is screwed on, the bulb is pierced and contents charged. (Follow directions packed with each bottle.) Because of their low cost, where Sparklet Syphons are introduced, there is a steady demand for Sparkers. Repeat orders are profitable to dealers too.



Just picture in your own mind! A hot, sultry day—a drive out in the country with the family—the foresight to take along a Sparklet Syphon, and extra sparkers—A couple of Thermos Bottles or Jugs filled with ice cold water brought along from home—your favorite fruit juice—RESULT—a nice cold soda fountain drink far away from the sweltering town or city. OH BOY!

SPARKLET SYPHONS

Made of a special Bohemian glass, doubly annealed, conferring the maximum toughness and minimum brittleness and are covered with a protective rustless steel wire plaited basket covering. Bottle will stand a pressure of, from 450 to 600 lbs. per square inch, whereas in actual use the pressure on piercing the bulb in the Syphon is only 180 lbs. per square inch, and even this is reduced by the absorption of the gas by the water during the process of shaking to 60 lbs. per square inch—the pressure necessary to discharge the contents of the Syphon.

One Quart Size (one quart is designated by a red line on bottle—never put in more). Height 13¾ in., width 4¾ in., aluminum fittings.

No. C30—Sparklet Syphons only, not equipped with bulbs..... .....per dozen $106.65

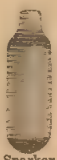
ONE IN A CARTON

EXTRA SPARKERS OR SPARKLET BULBS

Made of the best quality steel the world produces, specially rolled for Sparklet manufacture they are solid drawn in this steel, and are tested and guaranteed to resist a hydraulic pressure of from 9/10,000 lb. per square inch, or about 9 to 10 times the pressure to which they are subjected in use. Contents 8½ grammes.

No. C32—Sparkers or Sparklet Bulbs,
per dozen $2.55

ONE DOZEN IN A BOX



Sparker

Showing Packing

EXTRA REPAIR PARTS

No. C1—
Pin Washer,
per dozen.....$3.55

No. C2—
Piercing Pin,
per dozen.....$3 55

No. C3—
Tube and Washer,
per dozen $12.45

No. C4—
Tube Washer,
per dozen.....$3.55

LOOSE

ANVILS.

One Piece Semi-steel, Tempered.

This is a first class anvil for general farm use. It does not have a welded steel but is one piece of a special mixture of steel and iron

NOS.	50	70	100
Weight each, lbs	50	70	100
Net each	$5.40	$7.40	$10.50

Made only in above sizes.

VULCAN.

Not a Blacksmith's Anvil.

The face of this anvil is one solid piece of English tool steel, thoroughly welded to the body of the anvil by a patented process. It is then accurately ground and tempered, so it will stand the most severe test

The horn is covered with, and its extremity made, entirely of tough, untempered steel

The body of the anvil is made of the best **Lake Superior Charcoal Iron,** and being much more solid than wrought iron, the work being forged receives the full force of the blow The face of the anvil will remain perfectly true after years of service

NOS.	5	6	8	10	12	15
Wgt. (abt.) lbs.	50	60	80	100	120	150
List each	$6 00	6.50	8 00	10 00	12 00	15.00
Net each	$10.80	11.80	14.60	18.30	21.90	27.40

Can get from factory any size up to 250 lbs.

ARM AND HAMMER.

For Blacksmiths.

Made of best American wrought iron body faced with best crucible steel, in one piece warranted free from flaws This anvil has the true ring of quality

NOS.	1	2	3	4
Approx wt each, lbs.	80	100	120	150
Net per pound	$0.42	.42	.42	.42

ANVIL TOOLS.

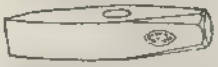
These Goods are all Forged from Best Grade of Steel Used for the Purpose, the Faces and Cutting Edges are all Hardened and Oil Finished.

HOT CHISELS.

For Cutting Hot Iron or Steel.

NO. 19—Hot, sizes, width cut	1¼	1⅝	1½ in.
Length	7	7	8½ in.
Weight each	1¾	2¼	2¾ lbs.
Net each	$1.34	1.60	1.84

COLD CHISELS.



For Cutting Cold Iron or Steel.

NO. 20—Cold, sizes, width cut	1¼	1⅝	1½ in
Length	6½	6½	7 in
Weight each	2	2¼	3 lbs.
Net each	$1.34	1.60	1.84

HARDIES.

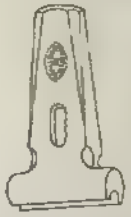
For Cutting Hot or Cold Iron or Steel.

NO. 21—Size shank	⅞	⅝	¾	⅞	1 in.
Length bit	1⅛	1⅛	1⅛	1⅛	2 in.
Length over all	4	4	5½	5½	5½ in.
Weight each	¾	⅞	1¼	1⅜	1⅝ lbs.
Net each	$0.78	.86	.98	1.14	1.30

FLATTERS.

NO. 22—Size of face, square	2	2½	3 in.
Length	5	5	5½ in.
Weight each	2¼	3	5 lbs.
Net each	$1.86	2.60	3.04

TOP AND BOTTOM SWAGES.



Oval Eye for Handle.

For 1 in. Anvil Hole.

Sizes for rods	⅛	¼	⅜ in.
NO. 23—Top, weight each	2	2	2 lbs.
NO. 24—Bottom, weight each	1½	1½	1¾ lbs.
Net each	$1.70	1.70	1.70

Sizes for rods	⅜	⅝	¾ in.
NO. 23 Top, weight each	2¼	2¼	2¼ lbs
NO. 24—Bottom, weight each	2	2	2¼ lbs.
Net each	$1.70	1.80	1.80.

Sizes for rods	⅞	1	1⅛ in.
NO. 23 Top, weight each	3¼	3	3 lbs.
NO. 24—Bottom, weight each	2¾	2¾	2¾ lbs.
Net each	$2.06	2.06	2.26

Sizes for rods	1¼	1⅜ in.
NO. 23—Top, weight each	3½	3½ lbs.
NO. 24—Bottom, weight each	3	3½ lbs
Net each	$2.26	2.50

Sizes for rods	1¾	2in.
NO. 23—Top, weight each	4½	4½ lbs.
NO. 24 Bottom, weight each	3¾	4 lbs.
Net each	$2.70	3.04

TOP AND BOTTOM FULLERS

Oval Eye for Handle.

For 1 in. Anvil Hole

Size	¼	5/16	⅜ in.
NO. 25—Top, weight each	2	2	2 lbs.
NO. 26—Bottom, weight each	2	2	2 lbs.
Net each	$1.72	1.72	1.72

Size	⅜	½	¾ in.
NO. 25—Top, weight each	2¾	2¾	3 lbs.
NO. 26 Bottom, weight each	2¾	2¾	3 lbs.
Net each	$1.72	1 82	1.82

Size	1	1¼	1⅜ in.
NO. 25 Top, weight each	3½	4	4½ lbs.
NO. 26—Bottom, weight each	3½	4	4½ lbs.
Net each	$2.06	2.24	2.50

"PAGOMA" on an article is the best assurance for quality.

SOLID BOX.

Japanned forged steel body, polished tool steel welded jaws, polished steel screw and sliding lever, flat steel tempered spring, malleable iron box and bench plate.

We Guarantee Our Vises Full Weight.

NOS.	40	45	50	70	80	100
Weight	40	45	50	70	80	100 lbs
Jaws	4	4½	4½	5	5½	6 in.
List	10.50	11.00	11.50	15.00	17.50	22.00
Net	$11.70	12.30	12.90	17.30	19 80	25.00

BOX AND SCREW.

For Solid Box Wrought Steel Vises.

The Box and Screw is fitted with patent concaved and convexed washers that act as a check nut, taking the direct strain from the screw, and removing all liability of stripping the thread or breaking the screw. The handle and screw are hot forged; the hole that receives the handle is punched while hot; ends of handles are upset, making it a complete hot forging, which means strength.

NOS	1	2
Size of vise	35 to 50	70
Diameter of screw	1¼	1½ in
Diameter of box	1¾	1¾ in
Net each	$7.90	8.90

WELDING COMPOUND.

The Best Flux known for Welding

CHERRY HEAT.

A Perfect Welding Compound, Welds Iron and Steel at Low Heat Welds Iron to Iron, Steel to Steel, Steel to Iron. Net per pound

NO. 5—In 5 lb. wood boxes $0 22

Sold only in five pound boxes.

COMBINATION.

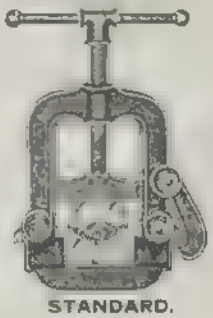
Cast Iron Body, Head, Slide and Horn, Solid Steel Screw and Sliding Handle. Face and Jaws Chilled, Hardened and Polished.

Net each

NO. 380—Jaws 3 in., opens 5 in., face 3x7 in., holds pipe ¼ to 2 in., weight 26 lbs. each $4 50

ONE IN A CASE.

PIPE VISES.



STANDARD.

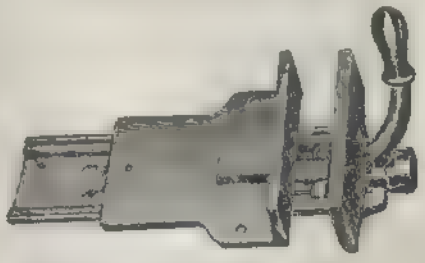
Hinged Pattern Self-Locking.

The base has lugs on both sides so that by changing the bolt the vise may be made to open on either side, japanned malleable iron body, cold rolled steel screw, high grade tool steel jaws.

Net each

NO. 115—Holds pipe from ¼ to 2½ in., height when closed 14 in., base 6x8 in., weight 13 lbs. $6 90

WOODWORKERS'.



SHELDON.

Heavy gray iron frame and jaws, drop forged steel rack with carefully milled teeth, the section of upper frame, which engages rack is also made of drop forged steel with milled teeth; the handle and cam are malleable iron, finished with olive green paint, the face and upper edges of jaws are polished.

Net each

NO. 4—Jaws 7½x3 in., jaws open 9 in., length over all 16 in., weight 27 lbs. each $13.50

COMBINATION.

Cast Iron Body, Head Slide and Horn, Steel Screw and Slide Handle.

Net each

NO. 20—4x ¾in. steel faced jaws, opens 12 in., back jaw is adjustable and by setting back one or two notches can be used as a pipe vise for pipe up to 2 in., size of anvil face, not including horn 3x7 in., painted green, face, head and jaws polished, weight each 42 lbs. $10 00

ONE IN A CASE.

DRILLING ATTACHMENTS.

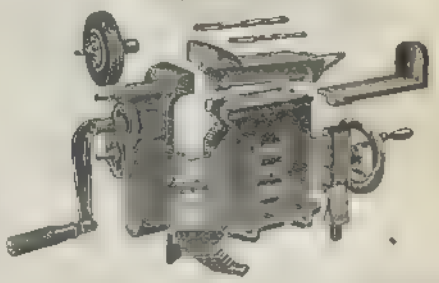
For Use With No. 20 Diamond Vise Only

Net each

NO. 21—Attachment only, without drills, holds square shank, bit stock, drills or auger bits up to ½ in., weight 15 lbs. each $4 80

ONE IN A CASE.

THE STEWART HANDY WORKER.



It comprises a strong and powerful vise, up to 4½ inches. Width of jaw, 4 inches. Cutting hardi. Pipe vise takes up to 1½ inch pipe. Drill press which may be operated at two speeds. Good sized anvil. Corundum grinding wheel, 5x1 inches. Three speeds direct, 4 to 1 and 16 to 1.

Net each

NO. 26—Size, boxed, 28x13x7 in., weight, boxed for shipment, 85 lbs. $27.60

ONE IN A BOX

BLACKSMITHS' BELLOWS.

STANDARD

Kiln-dried lumber, covered with a good grade of heavy cow-hide split leather, painted red, Japanned sheet steel cap and funnel.

Length	26	28	30	32 in.
Weight each	42	48	54	65 lbs.
List each	$11.00	12.00	13.00	14 00
Length	34	36	38	40 in.
Weight each	75	80	85	90 lbs.
List each	$15.00	18.00	20.00	23.00

Market Price.

F O B. St Louis, Freight Equalized With Omaha

Water Lamp Bases

The Water Lamp appeals to those who like to exercise their own ingenuity and color sense in the furnishing and decorating of their homes. Filling the Water Lamp base with water, colored with a little Tintex, and arranging with a shade to match results in a strikingly beautiful effect.

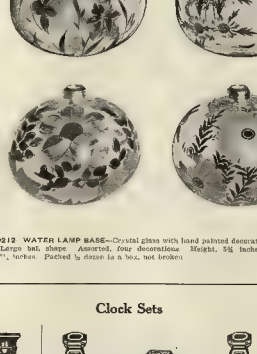
N70188 -WATER LAMP BASE— Per doz
Crystal glass, globe shape. Height 6¾ inches. Diameter 5¼ inches. ½ dozen in a box, not broken. Comes without shade and electric fixture....23.00

N70210—WATER LAMP BASE—Crystal glass, squat shape. Height 6¼ inches. Diameter 7 inches. Packed ½ dozen in a box, not broken. — Per doz 23.00

N70211 -WATER LAMP BASE—Crystal glass, ball shape. Height 6¾ inches. Diameter 6¾ inches. Packed ½ dozen in a box, not broken Per doz 23.00

Princess Electric Attachment

N71738—PRINCESS ELECTRIC ATTACHMENT — For water lamps. Finished in nickel plate with 4-foot white silk cord, push button socket and two-piece plug..... Each 1.50



N70212 WATER LAMP BASE—Crystal glass with hand painted decorations in colors. Large ball shape. Assorted, four decorations. Height, 5¾ inches. Diameter, 7½ inches. Packed ½ dozen in a box, not broken — Each 7.00

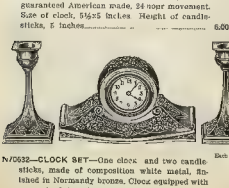
Shades for Water Lamps

N71739—SHADE FOR WATER LAMP — Each
Shade of pleated Chintz material in assorted designs, ribbon top and bottom, paper lined metal frame. Diameter 8 inches. For water lamp base N70188, N70210 and N70211 2.00

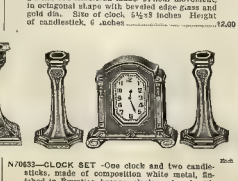
N73188—SHADE FOR WATER LAMP — Gilded Chintz assorted striking patterns, lined with linen backing with gilt edge stability. Banded at top and bottom with gilt braid and gilt-tone ribbon. Neatly sewed to ornamental frames. Cord tassels and beads. Diameter, 7 inches. For water lamp base N70162 N70210 and N70211 3.00

N73188—Same as N73185. Diameter, 10 inches. For water lamp base N70212 3.50

Clock Sets



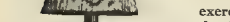
N70631—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Normandy bronze. Clock equipped with guaranteed American made, 24 hour movement. Size of clock, 5½x5 inches. Height of candlesticks, 8 inches..... Each 6.00



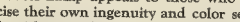
N70634—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Egyptian bronze, clock equipped with guaranteed American made 24 hour movement, in octagonal shape with beveled edge glass and gold dial. Size of clock, 5¼x3 inches. Height of candlestick, 6 inches..... Each 12.00

N70635—CLOCK SET—White metal finished in Egyptian bronze, clock equipped with fully guaranteed American made, 24-hour movement in octagonal shape with etched metal dial and beveled edge glass. Size of clock 9½x4¾ inches. Height of candlesticks, 12 inches..... Each 14.00

N70636—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Egyptian bronze, clock equipped with fully guaranteed American made, 24 hour movement, in octagonal shape with gold etched dial and beveled edge glass. Size of clock 8¼x3¾ inches. Height of candlesticks 7½ inches..... Each 15.00



N70632—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Normandy bronze. Clock equipped with guaranteed American made, 24-hour movement. Size of clock, 7x3½ inches. Height of candlestick, 6 inches..... Each 8.00



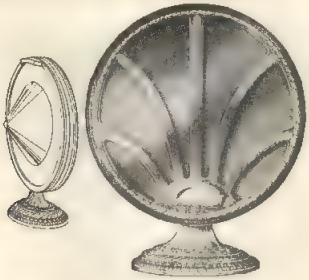
N70633—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Egyptian bronze, clock equipped with guaranteed American made, 24-hour movement, in octagonal shape with beveled edge glass and gold dial. Size of clock, 5¼x3½ inches. Height of candlestick, 6 inches..... Each 12.00

N70637—CLOCK SET—One clock and two candlesticks, made of composition white metal, finished in Egyptian bronze, clock equipped with guaranteed American made, 24-hour movement, octagon in shape and with beveled edge glass and gold dial. Size of clock, 3x9¼ inches. Height of candlesticks, 7½ inches..... Each 17.50

LOUD SPEAKERS AND TUBES FOR YOUR SET

Thorola Speaker The standard of loud speaker reproduction controlled mica diaphragm, and powerful magnet, builds the faintest audio impulse into a giant sound with all the true tone qualities of the broadcasting station itself

RA9005 $18.75



Model No. 9

Thorola Cone Type Speaker In appearance the artistic beauty of line in rich ornamentation, in exquisite color tone combinations The Thorola cone stands apart. The graceful grill with florentine surfaces charm and rest your eyes. The Thorola is also a beautiful work of art for your home setting in any room with any furnishings The low tones resonate clearly from the flat surface of the diaphragm The center cone reproduces the higher and middle tones with purity and distinction. Here is a dual principle that reproduces every sound wave. The No 9 cone gives the finest radio reproduction ever known with cone speakers

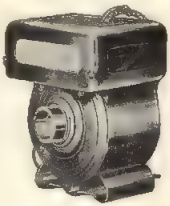
RA9004 $30.00

Burns Loud Speaker meets the requirements of most exacting users. The clear decisive tones together with a remarkable capacity of reproduction makes this a very satisfactory speaker Highly polished black bakelite flare

RA9008 ..... $33.90

The No. 6 Thorola Phonograph and console attachment identical to that used in the famous Thorola No 4 speaker Because of the controlled mica diaphragm and powerful magnet, (reproduces the faintest signals loud clearly and naturally) is recommended for use with our baby grand consol

RA9007 $23.85



No. 6

CUNNINGHAM TUBES

CX300
5 volts ¼ amp
Detector tube
RA9008. $7.95

CX301A
5 volts ¼ amp
Standard tube
RA9009. $3.20

CX112
5 volts ¼ amp
Power tube
RA9010. $10.25

CX299
3 volt tube
RA9012. $3.60

C299
3 volt
RA9013. $3.60

CX220
3 volt power tube to be used in last stage of audio only
RA9013. $3.60

5VCA
5 volt ½ amp certified power tube adapted to sets not designed to accommodate power tubes. Binding posts are thus cut as illustrated to take the excessive voltage without any change in the set. Instructions are furnished with each tube
RA9014. Each. . $0.15

5Vc
½ amp certified power tube. The same as 5VCA but without adaptor
RA9015. Each . . $8.35

5VA
Star 5 volt ½ amp is not a certified tube. Tube is tested and series number is given. Purchaser will receive all tubes of the same series, in this case a set of match tubes are obtained. Each tube is tested again on our special meter before it leaves our department.
RA9016. Ea $3.20

MUSSELMAN CERTIFIED TUBES

5VA is a certified 5 volt ½ amp tube. Each tube is individually charted showing the filament amperes, plate flow, mutual conductance, plate resistance and so forth in this case the utmost efficiency of that particular tube may be had. Our guarantee does not hold good on paralyzed tubes due to excessive voltage in case of broken filaments. Make claims from carrier. This applies to all tubes
RA9017. Each $4.40

3VBX
3 volt ½ amp certified X type tube
RA9018. Each. $4.40

3VB
3 volt ½ amp certified tube with old-style base
RA9019. Each $4.40

Tinker Toys
Continued

Per doz.

N74656—JUMP ROPE TINKER—Genuine Interwoven mah cord on which are strung 36 oval beads. Beads and handles enameled in seven colors. The added weight gives the right momentum. Full length and adjustable 9.00

Per doz.

N74657—LANKY TINKER—A new member of the Tinker family. Has solid wood head, body, hands and feet. Arms and legs made of strong leather bobbin. Enameled in four colors—yellow, red, green and black. Height, 12 inches 9.00

ENAMELED TINKER BEADS. Packed in glass jars, two shapes, seven colors assorted enameled in pastel shades. Jars have screw caps and are lithographed in different colors. Polished cord and safety needles are supplied in each set.

Per doz.

N74658—TINKER BEADS—72 beads set up over the mesh cords 4.00

N74659—ENAMELED TINKER BEADS—Contains 68 beads 9.00

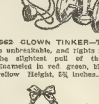
N74660—TINKER BEADS—Contains 152 beads 16.00

Per doz.

N74654—TOM TINKER—The ball men made of nice smooth wooden balls of different colors, strung on four strong cords, which are extended to a handle bar, about a foot above his head. His many colors are made of harmless dyes that do not rub off 8.00

Per doz.

N74661—FOLLOW-ME TINKER—The original man-capturing pull toy. Rolls on any side. Sits over all, 14½ inches. Wheels approximately 2 inches in diameter, eight in number. All wood construction, nicely finished 9.00



Per doz.

N74662—CLOWN TINKER—This toy is unbreakable, and rights itself at the slightest pull of the cord. Enameled in red, green, blue, and yellow. Height, 5¾ inches 9.00

Per doz.

N74664—NECKLACE TINKER—With baby pink or blue ribbon tied in a bow, packed in a delicate box, size 8x4¼x3 inches. The ⅝ inch round and 1-inch long oval beads are beautifully enameled in pastel shades, the same quality as is used for Tinker Beads in glass jars. Strung on strong cord. Length, 30 inches 12.00

Per doz.

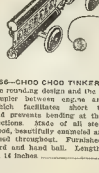
N74663—TINKERTOY—It is truly the thousand Wonder Do-Better. Tinkertoy has come to be one of the necessities of childhood in every home. Tinkertoy is patented. Made of the finest selected New England hard kiln dried wood. Wheels are 1¾ inches, grooved rolling rims, three inches in diameter and twelve inches in height, and can be mailed with or without wrapper at the two pound parcel post rate 12.00

Per doz.

N74665—DRAG-ON TINKER—A new principle in Pull Toys. The axles pivot on center. Toy can be thrown around in the roughest manner and will invariably right itself. Approximate length, 12 inches 13.50

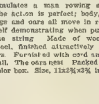
Per doz.

N74670—STEAM ROLLER TINKER—A strongly constructed toy of turned wood parts, enameled in many colors. Fly wheels revolve in opposite direction when toy is drawn along the ground. Length, 7 inches. Width, 5 inches. Packed one in a carton 16.00



Per doz.

N74666—CHOO CHOO TINKER—Note the rounding design and the double coupler between engine and car which facilitates short turning and prevents bending at the connections. Made of all steel and wood, beautifully enameled and finished throughout. Furnished with cord and hand ball. Length, over all 14 inches 16.00



Per doz.

N74667—ROWLY BOAT TINKER—Now the 3 year A wheel toy that simulates a man rowing a boat. The action is perfect; body, arms, legs and oars all move in rhythm. Self demonstrating when pulled by the string. Made of wood and steel, finished attractively in colors. Furnished with cord and hand ball. The oars rest. Packed in four color box. Size, 11x2¾x3¾ inches 16.00

Each

N74674—TINKERPINS—A wonderful game for parties. Any number can play. Score similar to bowling. Consists of a double track, two pins and a gyroscopic spinner that comes to a quick stop at the desired point when properly manipulated. Length, 34 inches 2.00

Per doz.

N74668—PONY TINKER. A horse on wheels. Over all size, 9 inches long, 4½ inches high. The rider sits up and down when the toy is drawn. Head and body of horse and rider, and wheels, of wood, harness, legs and axles, steel. Nicely finished in keeping with the quality of all other TINKER TOYS. Furnished with cord and hand ball 16.00

Per doz.

N74669—SEVEN IN ONE TINKER—A very strong contrasting toy on wheels. Makes seven or more models by interchanging the wood blocks on a metal chassis, pulled parts, etc. Made of hard wood. Metal is nickeled. Wood wheels are enameled bright red. Length, 10 inches 16.00

Per doz.

N74673—TINKER DOGS—Three hounds that rest with excessive leaps and bounds when drawn along the floor. Securely built to stand abuse. Wood parts enameled in colors. Metal parts are grooved for axles. Length of one is 8 inches. Packed one in a carton 20.00

Per doz.

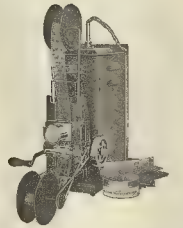
N74671—WHIRLY TINKER—The two little sailors go whirling whenever the toy is pulled by the string. Body is made of strips of hard wood and fitted in pulleys and enameled colors. Unbreakable. Furnished with cord and hand ball. Size, 8½x2¾x7½ inches 20.00

Each

N74672—SURF BOAT TINKER—A realistic reproduction with a mounted figure and a cloth sail that can be lowered. Made of wood, enameled in red, green, yellow and blue. Length, 19½ inches. Width, 5¾ inches. Height of mast, 19 inches 2.00

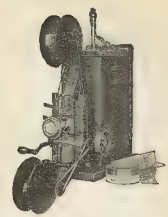
Moving Picture Machines

N74756—KEYSTONE MOVIEGRAPH—Electric model. Equipped with a four-foot practice reel of new safety film of Tom Mix in "The Indian Attack." Size of machine (exclusive of film spool illustrated), 6¾x8¾x16 inches. Size of picture, 2½x3½ inches. Packed one in a carton 7.50



Each

N74758—KEYSTONE MOVIEGRAPH—Electric model. Equipped with a ten foot practice reel of new safety film of Tom Mix in "The Indian Attack." Large lens, nickeled roller film guide, reinforced motor frame, electric bulb adjuster. Size of machine, 6¾x14¾x19 inches. Size of picture, 4½x6 inches. Packed one in a carton 13.50



Each

N74759—KEYSTONE MOVIEGRAPH—Electric model. Equipped with a twenty-five foot practice reel of new safety film of Tom Mix in "The Indian Attack." Nickeled flywheel, nickeled film roller guide, extra film guide, framing device folding crank handle, large lens with ratchet lens adjuster, reinforced motor frame, electric bulb adjuster, two hundred foot spool. Size of machine, 8¾x14¾x19 inches. Size of picture, 6½x12 inches. Packed one in a carton 20.00

Each

N74757—KEYSTONE MOVIEGRAPH—Electric model. Equipped with a six-foot practice reel of new safety film of Tom Mix in "The Indian Attack." Size of machine, 6¾x16½x19 inches. Size of picture, 3½x5 inches. Packed one in a carton 10.00

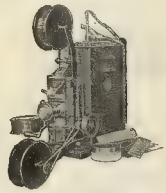
Used Standard Theatre Film

There is no choice of subjects in the following films, for the reason we are obliged to take them as they come. These films consist of special comedies.

	Per doz.
N74765—One 25 foot film in can	5.00
N74766—One 50 foot film in can	10.00
N74767—One 100 foot film in can	33.50

New Standard Gauge Non-inflammable Film. Comedies. Made of non-inflammable material. Each film is a complete and definite episode. The contents are marked on each can, giving the name and the title of the subject.

	Per doz.
N74761—One 10 foot film in a can	16.00
N74762—One 25 foot film in a can	Each 3.00
N74763—One 50 foot film in a can	6.00
N74764—One 100 foot film in a can	13.50



Each

N74760—KEYSTONE MOVIEGRAPH—Electric model. Equipped with a twenty-five foot practice reel of new safety film of Tom Mix in "The Indian Attack." Double sprocket barrel arrangement, double nickeled film roller guides, chain drive for top sprocket barrel, nickeled flywheel, lens ratchet, series of three lenses, light adjuster, picture framer, 800 foot spools. Size of machine including spool, 6¾x14¾x19 inches. Size of picture, 4½x6 inches. Packed one in a box 27.50

Tinker Toys

Per doz.

N74271—BUNNY TINKER—A very popular Item. Imitates the motions of a leaping rabbit. Wood and metal, enameled and rust proofed. Has pull cord attached. Length, 9 inches. Packed each in a carton 8.00

Per doz.

N74652—SPINNING JACK TINKER—A toy 11 inches tall, strongly made of enameled wood turnings and rust proofed metal. Operates on the governor principle. Can also be used as a jumping jack. Packed each in a carton 8.00

Per doz.

N74653—BELLE TINKER—Tom's Twin Sister; same construction as Tom Tinker, highly colored 8.50

N74656—JUMPING ROPE TINKER—Genuine interwoven cash cord on which are strung 31 one-inch oval beads. Stained and polished. Each one separately pinned through the rope. The added weight gives the right momentum 8.00

Per doz.

N74651—TINKER FISH—For bath tub, pail or pond. Six fish in six different enameled colors with rod, reel, hook and line. Conveniently packed in a sliding box, 10½ inches long 5.00

Per doz.

N74652—SIREN TINKER—This head lady is made of the same kind of balls and finished in the same way as Tom Tinker. Her charms are different, however, in that the heads are not fastened, but may be slipped along the string at will. The colors are brilliant and waterproofed, so that they will not come off 8.00

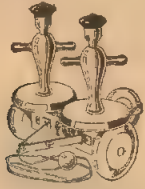
On the Drug Store Counters, Tinker Toys are Big Sellers

TINKER TOYS

LANKY TINKER

A unique character doll, 12 inches high, solid wood head body, hands and feet. Arms and legs made of strong leather belting. Enameled in four colors. Designed to withstand every abuse. There can be no comebacks or repairs needed on this toy. Box size, 13×13×8 inches. W't per case 38 lbs.

No. C37—Per dozen.....$6.00



WHIRLY TINKER

The two little sailors go whirling round whenever the toy is pulled by the string. Very strongly made of steel and wood and finished in polished and enameled colors. Unbreakable. Furnished with cord and hand ball. Sales sure. Size 8¼×7¾×7¼ in. Individually boxed. One dozen in case. Shipping w't 15½ lbs. per doz.

No. C33—Per dozen.....$15.00

TEN-PIN TINKER

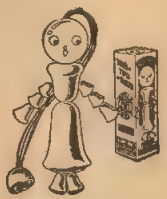
Each pin is 1 in. in diameter and 4½ in. high. Balls are 1⅜-in. diameter All permanently enameled in the colors shown. Ten pins and three balls packed in a sliding box that can be opened for inspection or display. Box size, 11×6×9½ inches. Each set weighs 12 oz. Case containing 1 dozen sets ready for shipment weighs 10¼ lbs.

No. C43—Per dozen.....$12.00

SIREN TINKER

offers an added choice among the Tinker "Doll" family. The balls are loose on the cord, which enables them to slide from end to end. The enameled colors are bright and attractive and safe for the child. Siren stands 8¼ inches high, exclusive of string and hand ball. Box size 2½×2½×8¾ inches. Packed singly, 12 boxes to the case. W't per doz. 4 lbs.

No. C38—Per dozen.....$6.00



BELLE TINKER

has established a well earned place as a staple selling item. Belle is packed in an attractive box, 2¾ inches square and 8¾ inches high, one dozen to the shipping case. W't per doz. 4¾ lbs.

No. C130—Per dozen.....$6.00

ROWLY BOAT TINKER

No assembling is necessary, each toy is a complete unit ready to operate when taken from the box and each toy is tested for successful operation before leaving the factory. The action is perfect, body, arms, legs and oars all move in rhythm. Self-demonstrating when pulled by the string. Made of wood, brightly enameled, and rust-proofed steel Has a strong appeal to imaginative childhood. Packed in colored box, size 11×2¾×3¾ inches. One dozen to the case. W't per doz. 7 lbs.

No. C35—Per dozen.....$12.00

7 IN 1 TINKER

A very strong construction toy on wheels, makes seven or more models by interchanging the wood blocks on a metal chassis, locking permanently together with one snap hook. Metal is rust-proof, wood wheels are enameled bright red, blocks of natural hard wood without paint or varnish. A counter display of seven varying models attracts immediate sales. Length, 10 inches. Box size, 3¾×4¼×10 inches. One dozen in shipping case. W't per case 19¼ lbs.

No. C71—Per dozen.....$12.00

TINKERTOY

After eleven years it still remains the king of toys and has become a staple in every household. Tinkertoy is painstakingly made of the finest selected New England white birch. Each set is packed in a strong laminated mailing tube, three inches in diameter and twelve inches in height, which can be mailed with or without wrapper at the two pound parcel post rate. Packed twelve toys in a fibre case, w't per doz., 14 lbs.

No. C51—Per dozen $9.00

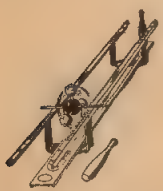
The value of attractive exhibits cannot be too strongly displayed. Tinker Toys, because of their form, color and motion lend themselves especially well to window and counter display. Tinker Toys are not seasonable toys.

TINKER TOYS

DRAG-ON TINKER

The axles pivot on center. Toy can be thrown around in the roughest manner and will invariably right itself. The movements of a crawling animal are reproduced by the use of a rubber backbone, the life of the rubber being over three years and can be easily replaced any time. The toy is enameled in prime colors of beautiful and durable finish. Approximate length 12 inches. Box size 2×4×12 inches. Packed 1 dozen to the case, W't per doz. 6¾ lbs.

No. C36—Per dozen.....*$10.20*



THE NEW TINKER-PINS

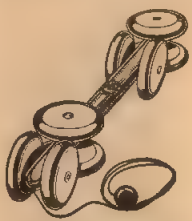
Many buyers will remember the former Tinkerpin game made by The Toy Tinkers and discontinued on account of size, the necessity for assembling and the amount of demonstration required. All of these difficulties have been overcome and a game second to none in the field is the present result. Convenient in size (24 inches long), no assembling. Any clerk can instantly understand and explain the operation. Rules governing the play are printed on each box. Construction is all metal, plated and lithographed, except the governor balls and pins, which are hard wood brightly enameled. Classified not as a toy, but a scientific game of skill for everyone over the age of seven years. Interest in the play is sustained indefinitely. Box size, 3×3¼×24 inches. Weight per case of one dozen, 18¾ lbs.

No. C39—Per dozen.....*$18.00*

CLOWN TINKER

A joy for the kiddies and a relief for mothers. This toy rights itself at the slightest pull of the cord. Unique in design,, popular in price. Unbreakable and finished in attractive enamels as shown. Individually packed in a box 4×6 inches. W't 8 oz. 1 dozen packed in a case ready for shipment weighs 7 lbs.

No. C145—Per dozen *$7.20*



FOLLOW-ME TINKER

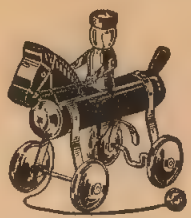
rolls on any side. Size is 10½ inches long with 2½ inch diameter wheels, enameled in eight colors. All wood construction. Boxed individually, w't per doz. 7½ lbs.

No. C132—Per dozen.....*$7.20*

TOM TINKER

Infants wear and gift shops have found Tom a particularly good selling number. Tom is packed in an attractive box 2⅞ in. square and 8¼ in. long, one dozen to the shipping case. W't per dozen, 4½ lbs.

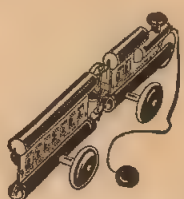
No. C25—Per dozen.....*$7.20*



PONY TINKER

One of the most attractive items from the shops of The Toy Tinkers. The rider posts up and down when the horse is pulled along by the halter. Constructed of wood and steel, beautifully enameled in colors. Metal parts are rust-proof. Strong and durable. Size, 8¼ inches wide, 6 inches high and 8 inches long Decorative box to fit. One dozen to the case, w't 11¼ lbs.

No. C34—Per dozen *$25.00*



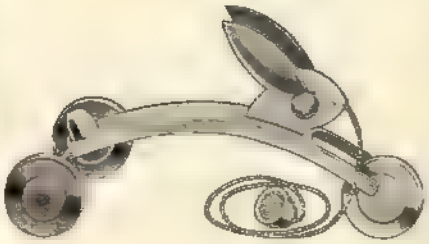
CHOO-CHOO TINKER

The novelty and safety of the design, together with quick turning and not easily capsizable featurees bring absolute satisfaction in the use of this toy on the part of the child. Made of steel and wood, beautifully enameled and finished throughout. Over-all length, 14 inches. Furnished with cord and hand ball. Box size, 3¼×3¼×14 inches. Packed 1 dozen to the case, w't per doz. 12 lbs.

No. C42—Per dozen.....*$12.00*

Attractive exhibits properly shown attract patronage every day in the year.

TINKER-TOYS from TINKER TOWN

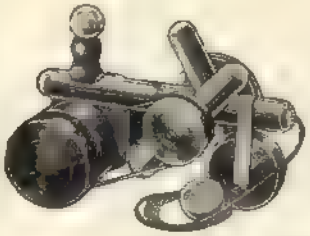


Bunny Tinker

An all-season toy which sells exceptionally well at Easter time. Imitates the bounding motion of a running rabbit perfectly. A well made, durable toy at a popular price.

Tinker Fish

A brand new all-season item. Children find great delight in fishing for Tinker Fish. Six brilliantly enameled fish—non-rusting rod and reel with hook and line comprise each set.



Steam Roller Tinker

A new floor toy that is sure to enjoy a constant year-'round demand. Flywheels revolve as toy is drawn along floor. Beautifully enameled in many colors and built to withstand hard use.

FAST SUMMER SELLERS

Here are three of the new Tinker Toys which are fast-selling summer items. The Tinker Toy line now includes twenty-five all-season numbers, which mean constant turn-over. They are durable, entertaining, educational, and popular priced toys. Fill out your line now.

Beautiful Gift Card Inclosed With Every Tinker Toy

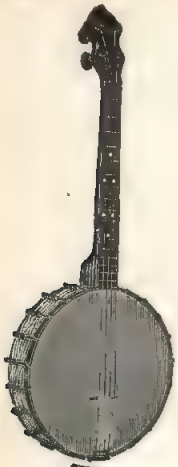
They Will Not Break Their Colors Last

Look for the RED TINKER MEN on the carton—It's your assurance of a genuine Tinker Toy

THE TOY TINKERS INCORPORATED

Evanston-Illinois

TENOR BANJOS



Good Material — Reliable Workmanship

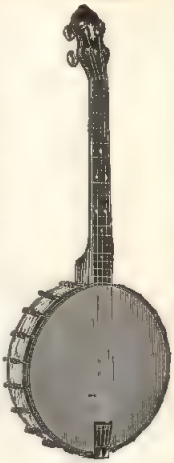
11 inch maple shell—natural color with neck to match—patent pegs —calfskin head—12 nickeled brackets—good tone
M8013-1403. Each . $15.75

Heavy 11-inch wood shell, made of maple, finished in medium walnut color. Neck finished to match shell. Equipped with 16 nickel-plated brackets, nickel-plated straining hoop. Good calfskin head. Patent pegs.
M8013-1405. Each . $22.00

Heavy 11-inch maple shell, birdseye veneered, finished in natural color. White maple neck with heavy ebony finished fingerboard and pearl position dots. Good white calfskin head nickel-plated straining hoop. 20 nickel-plated brackets. Patent pegs
M8013-1406. Each $25.00

Solid birdseye maple rim, 11-inch in natural color finish. Fine 3-piece maple neck with strip of ebony running through center to prevent from warping. Grooved nickel-plated straining hoop, 20 flat top professional brackets, fine white calfskin head, patent pegs.
M8013-1408. Each . $30.00

Extra selected solid birdseye maple rim, 11 inch, ⅝-inch thick finished in natural white color. Bottom of rim veneered with rosewood. Selected 3 piece maple neck with strip of ebony running through center to prevent from warping. Black ebony finger board with pearl position dots. Veneered headpiece inlaid with pearl flower. 20 flat top brackets. Grooved nickel plated hoop, fine white selected calfskin head.
M8013-1410. Each . $42.00



GUITARS

Mahogany finished back and sides white top, with decalcomania design around soundhole, walnut fingerboard with position dots, nickel-plated ta bilee.
M8015-260. Each . $10.50

Birchwood body, with basswood neck, finished in dull mahogany color throughout. Ebony finished fingerboard with position dots. Fancy decalcomania design around soundhole with strips in back. Very attractive looker for a cheap Guitar, metal tailpiece
M8015-264. Each . $12.00
Same as No. M8015-264 but with bronzed pin bridge
M8015-265. Each . $13.00

Dark mahogany finish throughout, highly polished, somewhat shaded both edges bound with white celluloid, good bridge
M8015-810. Each . $16.20
Same description as No. M8015-810, but top and back inlaid with fancy wood purfling and white celluloid bound fingerboard
M8015-820. Each . $24.00

Sterling Professional Guitar. Made of extra selected best seasoned flamed mahogany, fine spruce top, back and top edge and sound-hole bound with black celluloid, inlaid with black and white purfling. Fine ebony fingerboard, bound with black celluloid, pearl position dots. Rosewood veneered headpiece. Perfect in every respect. Perfect workmanship. Wonderful tone
M8015-102. Each . $27.50

AUDITORIUM SIZE

Fine Auditorium size, highly polished rosewood finish throughout top and back edge bound with white celluloid. Neck polished in dark mahogany color. Ebony finished hardwood fingerboard with pearl position dots with bridge
M8016-8110. Each . $18.45

Dark mahogany finish fancy wood inlaid top edge and sound hole. Celluloid inlaid top and back edge. Mahogany finished neck. Ebonized fingerboard with position dots. Spruce top. With bridge.
M8016-30. Each . $21.50

THESE INSTRUMENTS ARE BECOMING INCREASINGLY POPULAR

The "Tiple"

The TIPLE, made of solid mahogany, selected spruce top. Equipped with 10 steel strings. Tuned and played like an ordinary Ukulele. Wonderful tone. Exceeds all expectations. Top edge inlaid with fancy wood purfling. Both edges bound with celluloid. Hand rubbed throughout.

M8018-800. Each.... $30.50

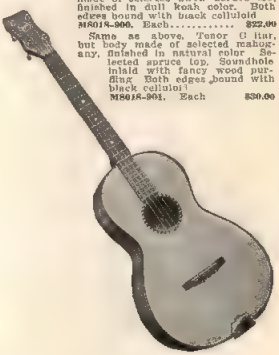
The Tenor Guitar

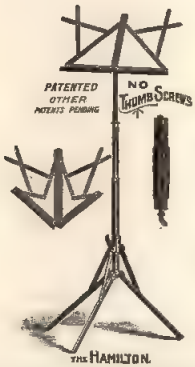
The "TENOR GUITAR." Body made like a Guitar, but somewhat smaller. Regular tenor banjo neck and strings. Tuned and played like a regular tenor banjo and gives the sweet mellow tone of a regular old fashioned Guitar. Body and neck made of selected birch, spruce top, finished in dull koah color. Both edges bound with black celluloid.

M8018-900. Each..... $22.00

Same as above, Tenor Guitar, but body made of selected mahogany, finished in natural color. Selected spruce top. Soundhole inlaid with fancy wood purfling. Both edges bound with black celluloid.

M8018-901. Each $30.00





THE HAMILTON.

"The Hamilton," heavy, polished nickel finish, folding stand, no thumbscrews, most satisfactory stand on the market.

M8030-2541. Each $4.80

M8014-200.

FLAT BACK MANDOLINS

Genuine birchwood body, finished in medium mahogany color somewhat shaded, piano polished throughout, top edge and sound hole bound with white celluloid, ebony finished fingerboard with pearl position dots, good tone, correct adjustment.

M8014-200. Each..... $12.00

Fancy model, bottom and ribs made of birchwood, selected spruce top, finished in rich medium mahogany color, somewhat shaded, highly polished throughout, top and bottom edge bound with white celluloid, fancy imitation pearl guard plate, ebony fingerboard with pearl position dots. Good tone, correct adjustment.

M8014-4000. Each $18.75

Flat model, genuine mahogany body and neck, top and back edge and fingerboard bound with black celluloid, full covered nickel-plated patent head, perfect adjustment, very attractive instrument.

M8014-5800. Each $28.40

M8014-9000.

THE TOOTSIETOY LINE

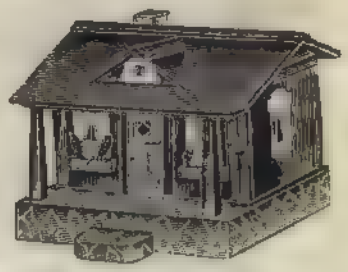
The TOOTSIETOY Doll House shown here is specially designed and built for this popular line of doll-house furniture. It is a reproduction of the most modern type of fine stucco homes

Made of heavy container board, six rooms, and is very simple in construction, so that it can be easily assembled or dismantled.

Each house packed in an individual container about 18x18 inches and one inch thick

No. 4N146. Per dozen. 24.00

Each. 2.25



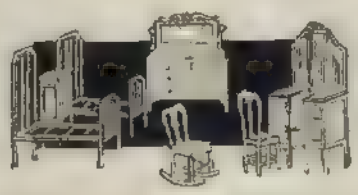
Beautiful Wood Doll House, 9¾ inches wide, 9 inches deep and 7¼ inches high. Has slate colored designed porch and doorstep, white windows with painted lace curtains, imitation flowers on each front window sill and red roof with attic window and chimney. Front door opens and side of bungalow unhooks so that furniture can be placed inside Packed one in box.

No. 38N73. Per dozen 8.50

Seven-Piece Metal Living Room Set, each designed after a real piece of furniture. Each set in lithographed box. Six boxes assorted finishes to package.

No. 42N11.

Per dozen. 8.00



Seven-piece Metal Bedroom Set, each piece a perfect reproduction from the original. Unusual Value. Each set in a lithographed box. Six boxes assorted finishes to package.

No. 42N12.

Per dozen. . . . . .

Eight-piece Dining Room Set of metal with Table, Chairs, Tea Cart, Server and Buffet. A sure seller on sight to the little girls Same packing as all the other sets of this line.

No. 42N13.

Per dozen. 8.00

Seven-piece All Metal Kitchen Set. Faithful reproductions of the originals from which they are copied. All white enamel finish. Six boxes to package.

No. 42N14.

Per dozen. 8.00

The "TOOTSIETOY" Furniture Line shown here has been to a large degree instrumental in returning to popularity Doll furniture and houses; the toys that make the ideal gifts for little girls.

"TOOTSIETOYS" have likewise established a standard for quality merchandise that they follow up and protect.

An Eight-piece All Metal Bathroom Set that well deserves its earned popularity. White enamel finish. Six boxes to the package.

No. 42N15.

Per dozen. 8.00

Plush Animals

MINIATURE BEAR

Miniature Teddy Bear. "The smallest Teddy Bear in the world." Made of Teddy Bear plush with moving arms, legs and head. Glass eyes with nose and mouth defined by black yarn. Blue felt ribbon around neck. Height 4½ inches. One dozen in box.

No. 7N120. Per dozen..... 1.85

DRESSED BEAR

Cute Little Teddy Bear. Stuffed plush head. Glass eyes. Hands and feet are felt. Red felt coat, white vest and collar, green tie, blue pants. Size 8½ inches high.

No. 41N54. Per dozen..... 4.00

ASSORTED PLUSH ANIMALS

Stuffed Animal Assortments consisting of cats, dogs and elephants made of short fibre plush in assorted colors. Each animal has glass eyes, ribbon bow and bell. Assortments come in two sizes

6 in. long.	9 inches long with voice.
No. 41N25.	**No. 41N20.**
Per dozen 4.00	Per dozen 8.00

COLORED RAYON PLUSH TEDDY BEARS

BEST VALUES EVER OFFERED AT THE PRICE

Finely Made Teddy Bears that have well shaped body and head. Bright glass eyes. These bears are stuffed with excelsior. They have a squeaking voice and come in assorted colors, Blue, Brown, Pink, etc. Head, arms and legs are jointed. Made in two sizes

13 in. long.	22 in. long
No. 41N83.	**No. 41N84.**
Per doz.. 7.50	Per doz. 22.00
	Each... 2.00

Black Angora Cat made of good quality plush with real fluffy fur tail. Has large silk bow tied to neck. A very attractive item. Length 15 inches. Height 11 inches

No. 41N68.

Per dozen... 18.00 , Each. . 1.65

SILK PLUSH DOGS BIG VALUE

Here are Three Dogs that in looks and quality equal the best made and at prices that will make them very popular sellers. The pile of their plush is long and thick. White with brown spots. Big brown glass eyes

No. 41N80. 6 inches high.
Per dozen... 10.50 | Each... .90

No. 41N81. 8 inches high
Per dozen... 15.00 Each... 1.35

No. 41N82. 11 inches high
Per dozen... 27.00 | Each.. 2.50

MUSICAL DOG

Something new and different. Plush musical dogs, with large well shaped ears. Made of fine long piled plush. Body white, ears and tail spotted brown. Large glass eyes and protruding tongue. Pretty silk ribbon bow. Inside the dog is a 28-key 2-tone music box. Pressing the sides gently causes music to play. It is 9 inches high. Each in box.

No. 41N76. Each.....

THE TOOTSIETOY LINE

Three-piece Train Set in a handsome lithographed box 7½ inches long, is one of the best staples obtainable. Packed one dozen to carton.

No. 4N136.
Per dozen..... 2.00 Per gross..... 22.20

Mack Truck Set of one chassis and three interchangeable bodies, packed in the famous "TOOTSIETOY" box. One dozen to the carton.

No. 4N127.
Per dozen..... 2.00 | Per gross..... 22.20

One of the New 1927 Models of the TOOTSIETOY" line Fire Department set of one chassis and two interchangeable bodies. One dozen boxes in carton.

No. 4N108.
Per dozen..... 2.00 Per gross..... 22.20

Metal Toy Soldier Set as pictured, packed in a handsome box. One dozen boxes to package.

No. 4N140.
Per dozen..... .80 | Per gross..... 9.00

Companion Set to the One Opposite. Nine-piece Infantry Set as pictured, in a handsome box.

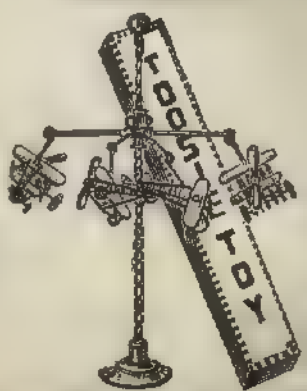
No. 4N142.
Per dozen..... .80 | Per gross..... 9.00

Package Assortment of the Better Numbers of the smaller size furniture sets. Package of six is made up of four Bedroom sets and two Kitchen sets in assorted finishes.

No. 42N6.
Per dozen. 4.00

A New Action Toy of the type that always sells; a horse race. Each set in a handsome lithographed box and one dozen to carton.

No. 50N80.
Per dozen..... 4.00



Don't Make the Mistake of failing to get in early on this big selling action toy. Compact and attractive packing added to a real value inside the box always make this a big selling number.

No. 4N143.
Per dozen..... 4.00

Lithographed Sand Pails

Complete with Shovel

STRIPED SAND PAIL

Sand Pail made of tin. Lithographed with bright colored stripes. Decorated design with words "Sea Side" in center, brass finished on inside. Riveted handle with turned edges. Comes complete with galvanized metal shovel with wood handle. Pail is made in two sizes. Packed one dozen.

Size 4½x4 in.	Size 6x5⅞ in.
No. 18N1.	**No. 18N3.**
Per dozen.. .78	Per dozen. 1.25

SCENIC SAND PAIL

Sand Pails made of tin. Entire pail is covered with highly lithographed colored pictures showing different sea side views. Brass finished on inside. Small size comes with wire handle, larger size has riveted handle with turned edges. Each pail comes complete with galvanized metal shovel having wood handle. Pail is made in two sizes. Packed 1 dozen

Size 4½x4 in.	Size 6x5⅞ in.
No. 18N2.	**No. 18N4.**
Per dozen.. .80	Per dozen .1.50

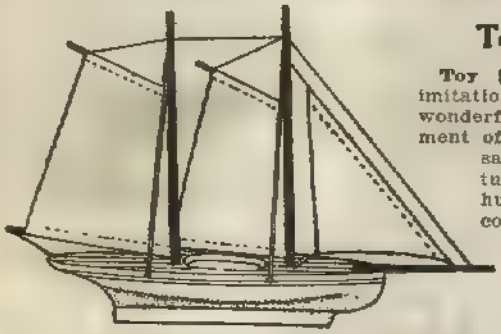
KIDDY SAND PAIL

Kiddy Pail is made of Tin. Comes in bright lithographed colors with two brass colored bands encircling pail. Here is a pail that will delight the heart of any kiddy. It is a very good size. Pail top is 6½ inches in diameter and pail measures 7½ inches high. Handle is riveted on and has turned edges. Shovel is galvanized metal, with wood handle. Packed one dozen.

No. 18N5. Per dozen..... 2.00

Toy Sail and Motor Boats

Toy Sail Boats



Toy Sail Boats. Beautiful imitations of the real sail boat, wonderful item for the amusement of the kiddies. Can be sailed either in the bath tub or out of doors. Has hull painted in bright colors and striped with black; they all have metal keels Come in 3 sizes.

Hull 6 inches. 1 mast, 2 sails, rigged with jib-boom. 1 doz. in box.	Hull 9 inches. 2 mast, 3 sails. Halyards, full rigged. One dozen in box.	Hull 12 inches. 2 masts, 3 sails. Halyards, full rigged. ½ dozen in box.
No. 30N12.	**No. 30N18.**	**No. 30N24.**
Per dozen..... .80	Per dozen..... 2.00	Per dozen..... 4.00

Sail Boat with collapsible masts. These masts may be folded and laid right across the hull, therefore making it very easy to carry. A wonderful boat for outdoor sailing, and very attractively made. The hull measures 11 inches; has two masts, 3 sails and halyards, full rigged. Red lacquered, gold stripe, black band with metal eyelets, giving a realistic look. Metal keel and moving rudder. Packed ¼ dozen in box.

No. 30N25. Per dozen..... 6.50

Toy Motor Boat

Motor Boat, hull 8¾ inches, blue lacquered with black band and gold stripe. Hollow center with sailor at steering wheel, black enameled revolving propeller and port holes with metal eyelets. A very attractive number and a big value. One dozen in box

No. 30N26. Per dozen.. .... 2.00

THE TOOTSIETOY LINE

Perfect Reproduction of a well known make of Safety Coach. Long stream lines with disc wheels. Length 3⅝ in. Weight 25 lbs. to gross. One dozen to the box.

No. 4N144. Per dozen..... .75

Coupe. Attractive model in metal featuring disc wheels and all the smart lines of a real car. Length 3 in. Weight 20 lbs. to gross. Packed one dozen to box.

No. 4N134. Per dozen..... .75

Motor Water Tower of latest design in three-color effect. Length 3⅞ inches. Weight 27 lbs. to gross. One dozen to box.

No. 4N148. Per dozen..... .85

Perfect Reproduction of Mack Truck with stake body. Chassis, body and wheels are different colors. Length 3¼ inches. Weight 25 lbs. to gross. One dozen in box.

No. 4N130. Per dozen..... .85

Statue of Liberty made entirely of metal. 2¼ inches high. One dozen to box.

No. 4N73.

Per dozen..... .40

Biplane. Made of all metal with red planes on yellow fuselage. Propellor and wheels turn easily. Length 3⅛ in. Weight 17 lbs. to gross. One dozen in box.

No. 4N141. Per dozen..... .75

A Real Masterpiece in miniature. Carefully made with easy running disc wheels. Length 3 inches. One dozen to the box.

No. 4N120. Per dozen..... .75

Motor Type Hook and Ladder in four-color effect. Three ladders included in equipment. Length 3¾ inches. Weight 25 lbs. to gross. Packed one dozen to box.

No. 4N147. Per dozen..... .85

Mack Truck with Coal or Sand Body. Body, chassis and wheels are three different colors. Length 3¼ inches. Weight 27 lbs. to gross. One dozen to box.

No. 4N131. Per dozen..... .85

Miniature Toy Telephone made entirely of metal enameled black. Height 2 in. One dozen to box.

No. 4N74.

Per dozen..... .40

The Racer. Low hung racing type model; all metal with removable driver. Smooth cast wheels that turn easily. Length 3 in. One dozen to box; weight 19 lbs. to gross.

No. 4N123. Per dozen..... .75

Touring Car. Faithful reproduction of a well known make of car. Length 3 inches. One dozen (asstd. colors) to the box. Weight 23 lbs. to gross.

No. 4N133. Per dozen..... .75

The Latest Design of Farm Tractor in miniature. Wide tread wheels in red with gray and black body. Length 3⅛ inches. Weight 30 lbs. to gross. Packed one dozen to box.

No. 4N109. Per dozen..... .85

Mack Truck with Tank Body. Three-color effect in bright enamel. Length 3¼ inches. Weight 28 lbs. to gross. One dozen to box.

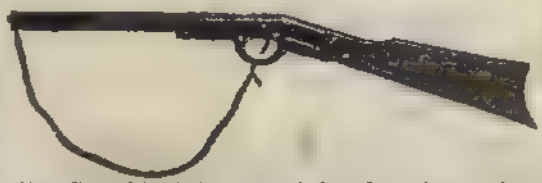
No. 4N132. Per dozen..... .85

Toy Phonograph made entirely of metal and finished in assorted colors. Packed one dozen to box. Height 2⅛ inches.

No. 4N110.

Per dozen..... .75

Pop Guns and Archery Sets

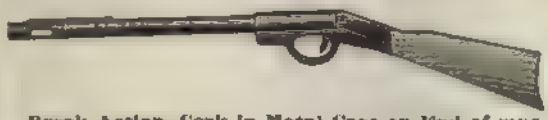


Pop Gun, Blued Gun Metal, break action, walnut stock. Extra quality, length 17 inches. The greatest pop gun on the market.

No. 31N17. Per dozen..... 1.90

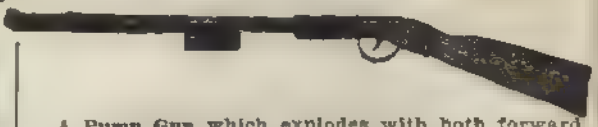
Pop Gun. Made of blued steel, walnut stained stock. Break action, complete with cork and string. 22 inches long. Packed ½ dozen in box.

No. 31N28. Per dozen..... 3.90



Break Action, Cork in Metal Case on End of muzzle. Inserts automatically. No adjusting required 18 inches long. Blued steel, walnut stained wood stock. Packed one dozen in package.

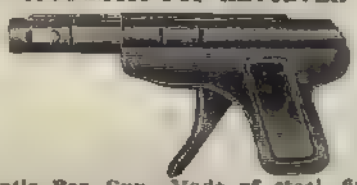
No. 31N27. Per dozen..... 1.90



A Pump Gun which explodes with both forward and backward movement of wood hand piece. A double action gun that sounds like the real thing when hand piece is pumped. Each in box.

No. 31N30. Per dozen..... 5.50

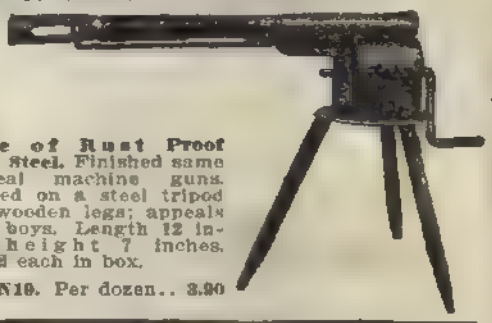
AUTOMATIC POP REVOLVER



Automatic Pop Gun. Made of steel, finished in black. Made to resemble automatic revolver. Pulling trigger causes popping sound. To repeat simply pull trigger. 6¼ inches over all. Packed 1 dozen.

No. 31N26. Per dozen..... 1.00

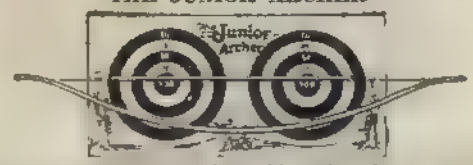
AUTOMATIC POP MACHINE GUN



Made of Rust Proof Heavy Steel. Finished same as real machine guns. Mounted on a steel tripod with wooden legs; appeals to all boys. Length 12 inches, height 7 inches. Packed each in box.

No. 31N10. Per dozen.. 3.90

THE JUNIOR ARCHER



This Set Consists of bow 23 inches long, one arrow 12½ inches with rubber tip and a two color card on which two targets are imprinted. One dozen in package.

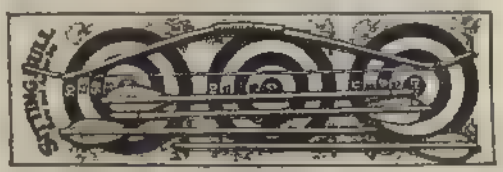
No. 38N62. Per dozen..... .75

BIG CHIEF

26-Inch Hickory Bow, one arrow, 15½ inches long with rubber vacuum tip mounted on a 26½x9 inch card with 3 targets imprinted thereon. Card also has printed on it various pictures of Indians, etc., making it most attractive. One dozen in package.

No. 38N63. Per dozen..... 1.85

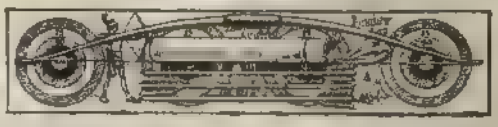
SITTING BULL



Springy Hickory Bow. 29 inches long having a felt hand grip and strung with stout cord. There are 4 arrows 18 inches long with painted silver tips. Bow and arrows mounted on a 28x9 inch card that has three highly colored targets lithographed on it. One-half dozen in package.

No. 38N84. Per dozen..... 3.75

SHURE WINNER



We Honestly Believe This to be the best bow and arrow set ever offered at the price. Hickory bow, tough springy and full of life. 41 inches long. Strung with good strong cord and has imitation leather hand grip. 4 arrows, 18 inches long with felt end shaft. Mounted on brightly colored card with 4 targets painted on it. Comes complete with hunting quiver in which arrows can be carried.

No. 38N71. Per dozen..... 7.75

TOWER OF THE LaGIRALDA CATHEDRAL, SEVILLA, SPAIN *R*

PRINTED IN FOUR COLORS

Engraved by Respess-Johnson Engraving Co. *Printed by* Arnold Printing Co.

Jacksonville, Florida

(B)

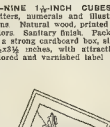
Toy Blocks

Toy Blocks
Continued

G6285—FANCY SCROLL SAFETY BLOCKS—Fifty 1¾ inch cubes. Alphabet, numerals and designs, two sides printed, red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set packed in an attractive lithographed box ..... 2.00 Each

G6283—FANCY SCROLL SAFETY BLOCKS—Sixty four 1½ inch and thirty-six 1¾ inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set packed in a beautiful lithographed box.. 3.50 Each

G6285—NINE 1½-INCH CUBES—Letters, numerals and illustrations. Natural wood, printed in colors. Sanitary finish. Packed in a strong cardboard box, size, 3½x3½ inches, with attractive colored and varnished label . Per doz. 1.50



G6290—BLOCKS—This set contains nine 1½-inch cubes. The blocks have round corners, two sides embossed and letters, numerals, illustrations on the other four sides. Comes in a strong cardboard box with colored varnished label. One dozen in a package, not broken Per doz. 2.00

G6291—BLOCKS—The same as G6290 except that there are twelve blocks to a set. ½ dozen in a package, not broken ... Per doz. 3.00

G6292 BLOCKS—The same as G6290 except that there are sixteen blocks to a set. ½ dozen in a package, not broken ... Per doz. 3.50

G6293—BLOCKS—Twenty-five 1½ inch cubes, two sides finely embossed and painted in colors. Two other sides are printed in colors. Packed in a strong colored cardboard box. ½ dozen in a package, not broken.. Per doz. 4.00

G6281 BLOCKS—Nine 1¾ inch cubes round cornered letters, numerals and illustrations, natural wood. Two sides finely painted in assorted colors and embossed. Four sides printed in colors. Each set in a strong cardboard box with six-color varnished label. Size 5½x5½ inches. ½ dozen in a package, not broken Per doz. 4.00

G6284 BLOCKS Twenty 1½ inch cubes. Letters, numerals, illustrations. Natural wood, two sides painted and embossed, four sides printed in colors. ½ dozen in a package, not broken. Per doz. 4.50

G6285—BLOCKS—The same as G6284 with thirty blocks to a set. ½ dozen in a package, not broken..... Per doz. 7.50

G6296—BLOCKS—Sixteen 1¾ inch round corner cubes, natural wood. Two sides painted and embossed, four sides in printed colors. Sanitary finish. Packed in a strong cardboard box 7½ inches square. ½ dozen in a package, not broken Per doz. 7.50

G6295—TWENTY 1½-INCH CUBES—Letters, numerals and illustrations. Natural wood, two sides painted and embossed. Four sides finely printed in colors. Sanitary finish. Packed in wood frame box, size, 8½x8½ inches. Packed ½ dozen in a box, not broken Per doz. 9.00

G6298 BLOCKS—The same as G6296 with 30 to a set. Packed in a sturdy box, colored varnished label. 9½x11 inches. One in a package... 18.00 Per doz.

G6262—BLOCKS—Sixty 1½ inch cubes, round cornered, letters, numerals and illustrations. natural wood Two sides finely painted in assorted colors and embossed Four sides printed in colors Packed each in a strong cardboard box with six-color varnished label. Size 8¼x7x3 inches ..... 10.50 Per doz.

G6263 ROUND CORNERED TOY BLOCKS—Fifty 1¾ inch cubes Letters, numerals and illustrations. Natural wood, two sides finely painted and embossed Four sides printed in colors Packed in strong cardboard box, size 9½x3¼ inches with attractive six color varnished label.. 2.00 Each

G6260—KOLOR BLOX—Four designs, both sides enameled in six colors, design suggestions on cover; 25 pieces, size 1¼ inches. Painted and varnished cupboard box. Packed ½ dozen in a package, not broken ..... 4.00 Per doz.

G6261—KOLOR BLOX Same as G6260, 45 pieces, size 1½ inches Packed ½ dozen in a package, not broken 8.00

Black Boards and Toy Blocks

Blackboards Continued

N75030—DESK STYLE BLACK BOARDS—Solid oak, varnished. New colored revolving charts. Slate drop lid. Size 46¼x31 inches. Each board packed in a carton..... 4 80

Each

N75031—EASEL DESK AND BLACKBOARD—Seasoned kiln-dried oak. Height, 65¾ inches. Width, 31½ inches. Drop leaf writing desk with "Lithoplate" slated blackboard. Width, 28⅜ inches. Height, 18 inches. Five section cabinet, chalk tray, scroll top rail, 14 plates, 2 in color. Finished in golden oak, varnished 6.00

Each

N75031—DESK STYLE BLACKBOARD—Solid oak, varnished finish. New colored revolving charts. Slate drop lid. Size 46¼x31 inches. Each board packed in a carton.... 6.00

Each

N75092—EASEL DESK AND BLACKBOARD—Selected seasoned kiln-dried oak. Drop leaf writing desk with "Lithoplate" slated blackboard Width, 28⅜ inches Height, 18 inches. Five section cabinet, 14 plates, 2 in color Height of easel, 65¾ inches Width, 31½ inches. Finished in golden oak, varnished 7 90

Per doz.

G6259—NEW RAINBOW SAFETY BLOCKS—Nine 1¾-inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with multicolored backgrounds giving rainbow effect and coated on surfaces with high gloss enamel in blue and red. Each set in an attractive lithographed box. ¼ dozen sets in a package, not broken 4.00

Per doz.

G6272—SAFETY BLOCKS—Twenty-four 1¾-inch cubes. Alphabets, numerals and designs, two sides printed red two sides printed blue, embossed ends with colored background in orange and yellow and coated on surfaces with enamel in blue and red Each set in an attractive lithographed box. ¼ dozen sets in a package, not broken ... 12.00

Per doz.

G6260—SAFETY BLOCKS—Thirty-six 1¼-inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set in an attractive lithographed box. One-third dozen sets in a package, not broken 3.00

Per doz.

G6281—NEW RAINBOW SAFETY BLOCKS—Thirty ¾ inch cubes Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with multicolored backgrounds giving rainbow effect and coated on surfaces with high gloss enamel in blue and red Each set in an attractive lithographed box ¼ dozen sets in a package, not broken 12.00

Toy Blocks

Per doz.

G6256—SAFETY BLOCKS—Nine 1¾-inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set in an attractive lithographed box. Packed 1 dozen sets in a package, not broken 1.50

Per doz.

G6257—SCROLL SAFETY BLOCKS—Twenty 1¾-inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set packed in a lithographed box. ½ dozen sets in a package, not broken 4.00

Per doz.

G6258—SAFETY BLOCKS Twenty 1¾-inch cubes Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends, with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red Each set in an attractive lithographed box. ½ dozen sets in a package, not broken 4.00

Per doz.

G6293—FANCY SCROLL BLOCKS—Thirty-six 1¼-inch cubes. Alphabet, numerals and designs, two sides printed red, two sides printed blue, embossed ends with colored backgrounds in orange and yellow and coated on surfaces with enamel in blue and red. Each set in an attractive lithographed box. ¼ dozen sets in a package, not broken. 12 00

Houses Built on Sand

built-easy summer profits for live Bilt-E-Z dealers

We saw it last June. . . . A show window filled with sand. . . . Shovels, buckets, the usual sand toys. . . . A "mirror lake." . . . A bright new Bilt-E-Z cottage!

That window drew children like a magnet. It gave them a new play idea. It gave the dealer a new record in Bilt-E-Z summer sales.

Another merchant fixes up a miniature garden around a Bilt-E-Z house and sets it on a low table in his toy department. It suggests the double fun of building a house, then playing with it out of doors. It appeals to parents as a practical toy buy. It sells Bilt-E-Z sets and units—at an interesting profit!

Work out a summer display for yourself. We'll furnish the houses, set-up, without extra charge. They'll boost sales throughout the whole department!

If you aren't already a Bilt-E-Z booster, ask for details of this year 'round profit-maker at once. Phone, wire or write to

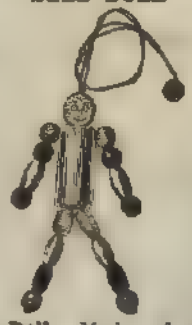
SCOTT MANUFACTURING CO., 1701 W. 74th St., CHICAGO

Eastern Sales Office—130 W. 42nd St., New York

Bilt-E-Z
"The BOY Builder"

Ignatz and Felix. Wood Toy Novelties of Merit.

BEAD DOLL



Bead Doll. Made of assorted colored varnished hardwood beads string on wax thread, to which is attached bead. Height 6¼ in. from head to feet. One dozen in package.

No. 39N111.
Per gross... **3.60** | Per dozen.. **.35**

DOCTOR RABBIT

Doctor Rabbit on Hand Car. A clever wooden pull toy which operates like the real thing when child pulls same. Doctor is making a hurry call. Comes in bright colors with high enamel finish. Hardwood black wheels. Each in box.

No. 39N106. Per dozen. **3.95**

TOM TINKER

Tom Tinker. Made entirely of round balls. No sharp corners or edges to hurt soft hands. The colors do not lick off or suck off, or bite off. They are absolutely fast, and are, furthermore, covered with a coating of elastic celluloid shellac. Each in box, size 5½x2½x2½ inches.

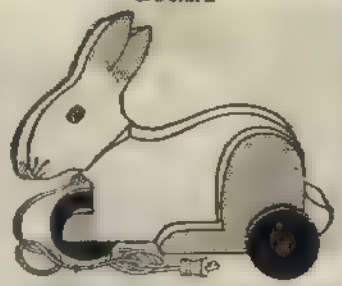
No. 39N104. Per dozen..... **4.85**

CLOWN

Clown. A bright colored enamel wood pull toy that appeals to all kids. Has clever motion when drawn and clown works hard as he has hand car to travel quickly. Each in box.

No. 39N107. Per dozen .. **3.95**

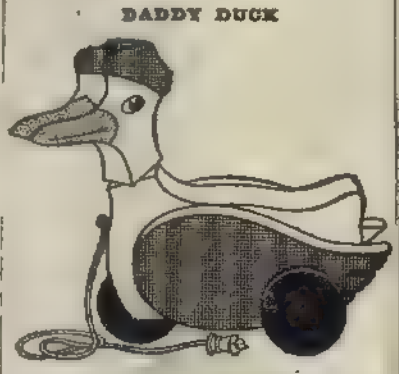
BUNNY



Bunny. A most attractive wood pull toy. Beautiful high gloss enamel finish, in the daintest, most appealing white and pink. Size 10x7 inches. Made of 1¼ inch thickness wood. Hardwood black wheels. Pull string included. Each in box.

No. 39N101. Per dozen **3.95**

DADDY DUCK



Daddy Duck. One of the nicest pull toys ever turned out. A cute little Duckie, size 10x8 inches, made of 1⅛ inch wood, covered with high gloss enamel, yellow body and red wings and cap. Black hardwood wheels. String attached for pulling. Each in box.

No. 39N100. Per dozen..... **3.95**

FELIX

REG. U. S. PAT. OFF.

THE MOVIE CAT

Felix—The Movie Cat. This is the original Felix. As to popularity Felix needs no introduction, as many newspapers throughout the country run daily columns on Felix's antics. Felix is made of many joints and can be twisted into many funny positions. Made of wood with leather ears. Finished in black with white features. Made in two sizes.

No. 1N270. Height, 4 in. 1 dozen in box.
Per dozen..... **2.00**

No. 41N22. Height, 8 in. Each in box.
Per dozen..... **10.00**

IGNATZ
THE FUNNY MOUSE

The Familiar Cartoon Sprite that has made millions laugh. A dandy fast-selling novelty. Its flexible arms, head and tail make possible many funny positions. Ignatz is a sort of "Side Kicker" to Felix. 5¾ in. high. Packed each in an attractive box.

No. 1N281. Per doz. **2.75**

Ann Drock's Kitchen Sets—Toy

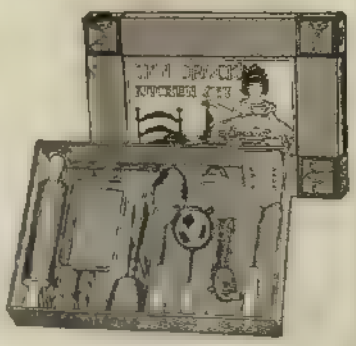
Sewing Machines
Telephones

Utensils included in this set are made with the utmost care and look and work just like mother's. Set consists of Toy Cake Turner, Kitchen Spoon, Egg Beater and Tea Strainer. These items all have ivory white handles. Packed complete in handsome wood box. Packed 1 dozen sets in carton.

No. 38N90. Per dozen..... **3.85**

Here is a very attractive Child's Kitchen Set that consists of the following: Rolling Pin, Pastry Board, Cookie Cutter and Egg Beater. All these toys have white ivory handles and are packed complete in beautiful colored box. Packed one dozen sets in carton.

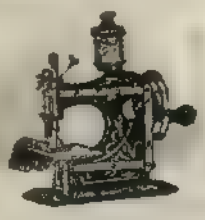
No. 38N91. Per dozen..... **3.85**



Here is a real Cooking Set, made in Miniature. Consists of 9 articles: Cake Turner, Kitchen Spoon, Egg Beater, Potato Masher, Cookie Cutter, Pastry Board, Rolling Pin, Baking Dish and Tea Strainer. All items have ivory colored handles. Packed one complete set in beautiful colored box. ½ dozen sets in carton.

No. 38N92. Per dozen..... **7.84**

SMALL SEWING MACHINE



A very instructive toy, has all the action of the larger machines. Can be fastened anywhere. Black enameled gilt and nickel plated trimmings. Height 5½ inches, width 4¼ inches. Each in box.

No. 38N46.

Per dozen.... **7.50** | Each.... **.65**

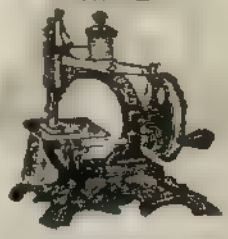
MEDIUM SIZE SEWING MACHINE

Black enamel, nickel plated trimmings. A little machine that sews smoothly. Can be fastened anywhere. Actual sewing can be done by child. Height 6¼ inches, width 5¼ inches. Each in box.

No. 38N42.

Per dozen... **11.00** | Each... **1.00**

LARGE SIZE SEWING MACHINE



Amusing and instructive, solid and substantial. Actual sewing can be done by any child as operation is simple. Enameled black with gilt decorations. Nickel plated sewing top, size 6¾x6¾ inches. Each in box.

No. 38N40.

Per dozen... **21.00** | Each . **1.85**

LOW PRICE TELEPHONES, MADE IN TWO SIZES

Toy Telephone. 6¾ inches high, made of metal. The transmitter, body and stand is finished in black enamel. Bell is nickel plated. Receiver is finished in red. This is a very attractive item. Packed 1 dozen in box.

No. 39N65. Per dozen..... **1.90**

Perfect Reproduction of a real telephone, highly nickel plated base, bell and transmitter. Black enameled body and mouthpiece. The transmitter is adjustable. Size 7 inches high. Each in box.

No. 39N26. Per dozen..... **3.80**

TOY TELEPHONE

8¾ inches high, adjustable transmitter, nickeled base, bell and transmitter, glass mouthpiece. Black enameled receiver and body. Felt pad on bottom, the exact reproduction of a real desk telephone in every detail. Well constructed. Each in box.

No. 39N25. Per dozen..... **7.75**

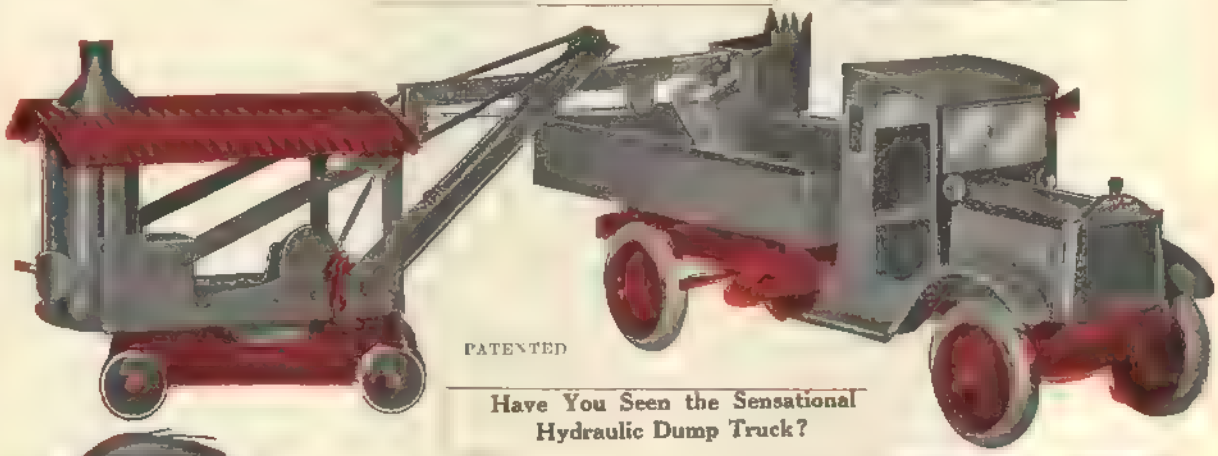
THE KEYSTONE QUALITY LINE

"LIFT THE HOOD AND SEE THE MOTOR"

"The Patented Line of Exclusive Features"

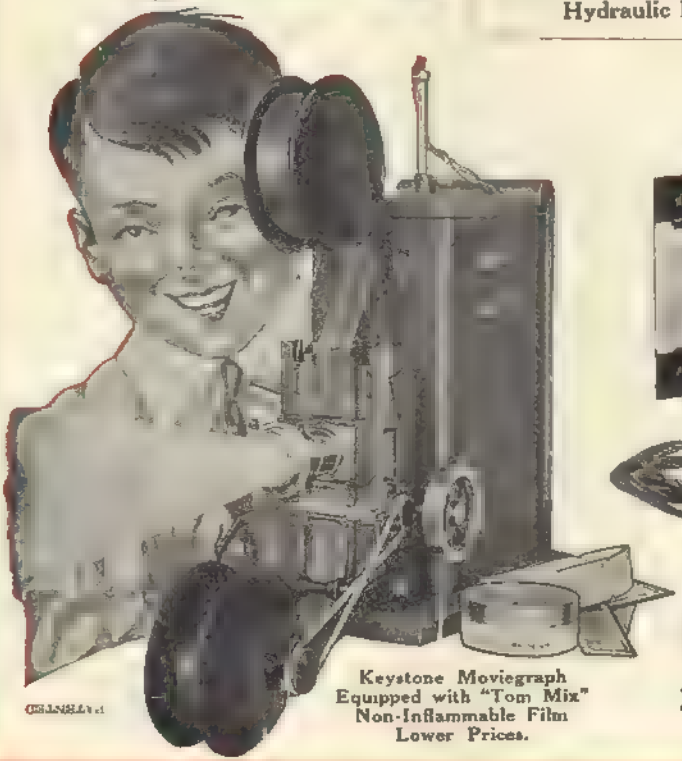
PATENTS PENDING

Shoots Water Over 30 Ft.
The Only One That Shoots Automatically

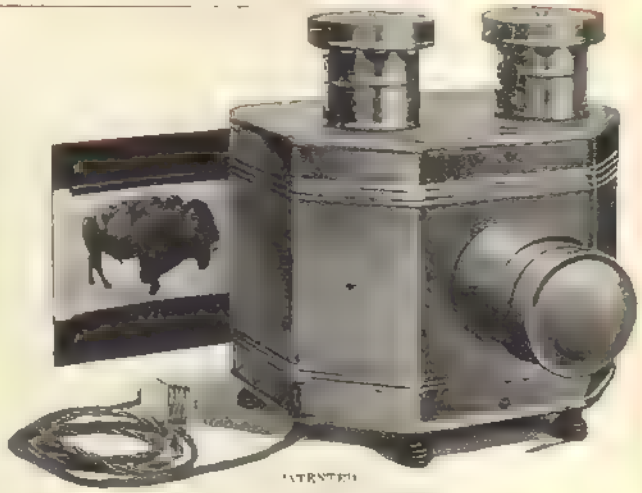


PATENTED

Have You Seen the Sensational
Hydraulic Dump Truck?



Keystone Moviegraph
Equipped with "Tom Mix"
Non-Inflammable Film
Lower Prices.



PATENTED

RADIOPTICON
ANY PICTURE—ANY COLOR
ANYWHERE—ANY TIME

KEYSTONE MFG. CO.

288 A STREET BOSTON, MASS.

Jack Stones, Marbles, Return Balls and Rubber Balls

JACK STONES

Bronze Jackstones with 4 ball ends. Two gross in box

Large 1 inch Jackstones.
No. 33N54.
Per gross. .30

JACKSTONE SET

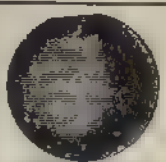
Jackstone Set, popular article, made up of five Jackstones, and one solid rubber ball in cloth bag. One dozen sets in package.
No. 29N77.
Dozen sets. .55 Gross sets 6.00

COMMON MARBLES

Common Marbles. These are well polished and finished, made in assorted and bright colors full standard in this class of goods, 1000 in bag.
No. 30N52. Per 1000 ... ... .35

IMPORTED MARBLES

Imported Marbles, size ½ inch in diameter, a highly polished and beautifully finished marble, made in assorted bright and attractive colors such as silver, gold, red, green, blue, brown, etc. Big value at the price.
Imported Marbles. 1000 in bag.
No. 30N72. Per 1000..... .35

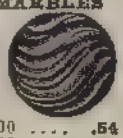


IMPORTED IMITATION AGATE

In nice marbleized brown and blue 100 in box.

30N57/00.	⅝ in.	Per 1,000..	.70
30N57/0.	½ in.	Per 1,000..	.90
30N57/1.	⅝ in.	Per 1,000 .	1.40
30N57/2.	¾ in.	Per 1,000 .	2.40

AMERICAN ONYX MARBLES



American Onyx Marbles are excellent copies of the genuine. Made in assorted popular colors.

30N54/00.	½ in	Per 100	.54
30N54/0.	⅝ in	Per 100. ...	.59
30N54/1.	¾ in.	Per 100.. . .	.65
30N54/2.	⅞ in	Per 100.. . .	.78
30N54/3.	1 in.	Per 50 ..	91
30N54/4.	1⅛ in	Per 50	1.07
30N54/5.	1¼ in.	Per 50	1.25

GLASS MARBLES

Glass Marbles, finely threaded in variegated colors. 100 in box.
No. 30N4/0. Per 100..... .45
No. 30N4/1. Per 100..... .65

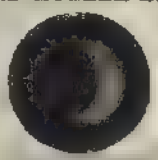
CERISE, GLASS MARBLES

Cerise Glass Marbles. Assorted sizes No. 0, 1 and 2. Here is a very beautiful marble that can be sold at a handsome profit. Packed securely in padded cotton, 25 assorted sizes in a box.
No. 30N2. Per box of 25... .40

GLASS, IMITATION CORNELIAN

This Glass Cornelian, Comes assorted in the following sizes: No. 0, 1 and 2. It is hard to distinguish these Cornelians from the genuine. The color combination is beautiful. They come packed in a box that is securely padded with cotton. This marble fills the long wanted need of the Cornelian at a popular price. It also insures a very substantial profit for those that handle it. Packed 25 in a box assorted sizes.
No. 30N1.
Per box of 25 assorted . .... .75

SOLID RUBBER BALL



Solid Rubber Ball, gray colors, smooth finish, good bouncers.
No. 29N43. Size ⅞ inches.
Per gross..... . 1.00

RED RUBBER THREAD AND TAPE

The Finest Ever Offered

Red rubber thread and tape are made of the very purest selected para rubber. The yardage is greater per pound for this reason. The exact weight and kind preferred by the user. Fresh, clean stock and very live and resilient. Put up in convenient continuous one-piece lengths, to be cut as desired. Each chain, or length, weighs one pound.

Red Rubber Thread.	Red rubber Tape.
No. 29N26.	**No. 29N28.**
Per pound 1.60	Per pound. 1.60

UNFURNISHED RETURN BALLS

Rubber Bat Balls, hollow. Made of good quality rubber. All full sizes. The kind used for making return balls by attaching rubber thread or tape.

Gray Return Balls			White Return Balls		
No.	Size	Price	No.	Size	Price
29N5.	1⅝"	1.75	**29N98.**	1⅝"	2.50
29N6.	1⅝"	2.25	**29N99.**	1⅝"	3.00
Packed 1 gross to package			Packed 1 gross to package.		

FURNISHED RUBBER BALL

Bat Ball, with a long rubber string. The ball can be thrown out with some force and it instantly returns to the hand of the thrower. One dozen in package.

No.		Gross	Dozen
29N29.	1⅝ inch ...	3.50....	.30
29N31.	1½ inch ..	4.50....	.40

Notice—We guarantee lowest price on bat balls, rubber tape and thread at all times. Remember, we are never undersold on this line.

Wood, Humming, Dancing and Diablo Tops

Wood Tops

Ball Point Spindle Wood Tops, made of extra selected hardwood nicely turned and stained assorted bright colors. Long nickel plated ball point spindle set well into top. Strings not furnished. Illustration shows No. 29N36 which has a special gold stripe and is varnished. Balances are plain and without groove.

No.	Size	Packed	Gr.	Dz.
29N15.	1¼x2	in. 1 gr.		.90
29N40.	1½x2¼	in 1 gr.	1.80	
29N38.	1⅝x2¼	in. ½ gr.	2.75	.25
29N36.	Varn. top w. stripes		4.25	.38

Top Strings, 6½ feet long, with button, red, white and blue color. No. 29N33. Per gross..... .85

Ball Bearing Top

Ball Bearing Top. The only (5) five cent ball bearing top on the market. Comes in solid green and red colors, a good item to stock because the demand for this top is very big and will be a very big seller this season. Size 2½ inches. 2 dozen in a box

No. 29N91.
Per gross..... 4.25
Per dozen..... .38

Diablo Top

Diablo Top back with us again and is becoming more popular than it ever was. Every child likes them because they are very amusing. Comes in three (3) different sizes, as listed below. Comes in solid colors, red and green except 29N94 which is striped

No.	Size	Packed	Per Gr.	Per Dz.
29N92.	3½ in.	6 Dozen in box.....	2.75	.25
29N93.	4 in.	4 Dozen in box.....	4.25	.38
29N94.	4½ in.	2 Dozen in box.....	9.00	.80

Girls' Top

Girl's Top. A very popular seller, simple to spin and good for girls and small children, because of its simplicity to operate. Comes in assorted colors with string attached to top and when spinning the string is held at the top by a staple connected with a nail. Top measures 3½ inches over all. 3 dozen in a box.

No. 29N90.
Per gross 4.50
Per dozen ..... .40

Humming Top

Humming Tops. Made of metal with strong spiral wire spring, enclosed in a metal handle which when released causes the top to spin a long time and makes a loud, singing sound. Beautifully finshed in bright, enameled colors. Come in three sizes. One dozen in package.

No. 29N23.	No. 29N21.	No. 29N22.
2⅝ inch diameter.	3½ inch diameter	4½ inch diameter
Gross. 9.00 Dozen. .80	Gross 13.50 Dozen 1.25	Gross 19.50 | Dozen 1.75

UNCLE SAM TOP

Uncle Sam Top, made of hardwood, finished in U. S. flag colors. Top is fitted with wire catch which winds the spring in the bottom part and is released by pressing the knob in center; good spinner. 2 dozen in box.

No. 29N10.
Per gross 8.00
Per dozen ... .. .70

HUMMER TOP

WONDERFUL HUMMER

One of the largest and best tops on the market at anywhere near this price. 4 inches in diameter, extremely simple push button metal key winder. Hand striped red, white and blue. When spinning has a loud, pleasant hum.

No. 29N20.
Per gross..... 10.50
Per dozen ..... .90

NEVER-STOP TOP

Never - Stop Humming Top. Made of metal striped in red, white and blue colors, enameled finish; wooden barrel top. Pressing center pin releases and sets top in motion. Operated with spring winder. One dozen in box.

No. 29N12.
Per dozen ... 1.10

DIXIE DANCING TOP

Dixie Dancing Humming Top. All metal in bright colors. Top hops about when spinning. Spring metal wind which insures maximum speed. Very attractive. Diameter 3½ inches One dozen in box.

No. 29N18.
Per gr. 14.00 | Per doz. 1.20

REGISTERED TRADE MARK

CHEMCRAFT

THE CHEMICAL OUTFIT

CHEMCRAFT is more than a toy. It combines amusement, education and entertainment for young and old. CHEMCRAFT is the original and best chemistry set on the market and offers the utmost in dollars and cents value to the youngster or his parents. CHEMCRAFT is being constantly advertised in the leading Boys' Magazines and Popular Science Publications.

CHEMCRAFT is a complete chemical laboratory. With these sets boys and girls can work hundreds of wonderful experiments and each experiment can be repeated many times with the liberal quantities of chemicals furnished.

CHEMCRAFT is used in Chemistry classes in many schools and is endorsed by teachers, professors, chemical experts, and government officials. The outfits contain no dangerous chemicals.

This year CHEMCRAFT outfits have been greatly improved. The outfits pictured here are much superior to any you have ever seen before. New box labels improve their outside attractiveness. Improved interior arrangements show the contents to better advantage. Larger quantities of chemicals make these outfits more practical and enable the boys and girls to get more real value and make their fun last longer.

It's easier, more satisfactory for you and your customer, sells quicker and earns sure profits.

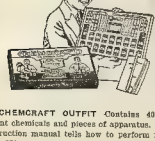
Here are six popular sets to retail from $1.00 to $12.00. Make up your order so you will have a representative stock and be prepared to say "we have it!" when the boys ask for CHEMCRAFT.

Per Set.

G5535—CHEMCRAFT OUTFIT—Contains 16 chemicals and pieces of apparatus. 90 experiments are explained in the instruction manual accompanying the set. The equipment and chemicals are attractively packed in a box measuring 7⅝x9¼x1¼ inches. The box cover is in 4 colors and each box is wrapped in transparent glassine paper..... 16.00

Each

G5536—CHEMCRAFT OUTFIT—Consists of 31 different chemicals and pieces of apparatus; everything needed to perform over 160 wonderful experiments which are described in the instruction book included in the set. Size of box, 10⅝x13¼x1⅞ inches. Covered with an attractive 4 color label. Each outfit is wrapped in transparent glassine paper to protect from soiling 3.00



Each

G5537—CHEMCRAFT OUTFIT Contains 40 different chemicals and pieces of apparatus. The instruction manual tells how to perform more than 280 experiments. All equipment is attractively packed in a substantial box, 10¾x18x1¾ inches. Cover in 4 colors. Wrapped in transparent glassine paper 4.66

Each

G5538—CHEMCRAFT OUTFIT—Contains 60 different chemicals and pieces of apparatus. The accompanying instruction book tells how to perform more than 350 different experiments. Packed in an exceptionally substantial box, size 15⅝x20x1¾ inches. Each package wrapped in transparent glassine paper..... 6.66

Each

D7764S—CHEMCRAFT LABORATORY WORK BENCH—Provides running water, sink shelves for chemicals and apparatus together with plenty of table space for carrying out experiments. It is a real complete chemical laboratory where everything can be kept in its proper place ready for use. The work bench is strongly constructed and attractively finished. Size of work bench, 44 inches in length, 22 inches in width and 47 inches in height. Top of table is 27 inches from the floor. The chemicals, appavatus and instruction manual which are contained in the No. G5648 set are included with the Chemcraft laboratory work bench together with a quantity of extra containers and special equipment. Packed one to a case. Weight, 45 lbs. Shipped from Manufacturer ... 50.00

Each

G5540—CHEMCRAFT OUTFIT—Contains 93 different chemicals and pieces of apparatus. It is packed in an attractive wood cabinet size, 12x18x4 inches, which opens out into a regular miniature laboratory. A big instruction manual gives direction for over 600 experiments which can be carried out with this set. Each set wrapped individually in an attractively printed wrapper 16.00

Each

G5541—CHEMCRAFT MAGIC SET—An outfit for entertainment and amusement which contains everything required to put on a regular magic performance. All necessary chemicals and equipment are included together with a complete manual of instructions. Packed in an attractive box, 12x18x1¾ inches with cover in 4 colors. Each set wrapped in transparent glassine paper 4.00

Each

G5539—CHEMCRAFT OUTFIT—Is contained in an attractive wall finished wood cabinet, size, 5¾x16x3⅜ inches. This set contains 80 different chemicals and pieces of apparatus. The instruction manual which accompanies the set gives full directions for more than 480 experiments. Each set wrapped individually in an attractive printed wrapper..... 10.66

Basket Balls

G7054 — LACELESS OFFICIAL LINED BASKET BALL—The only real "Laceless" basket ball ever made. Fitted with our new Goldsmith rubber valve elastic bladder (patent pending). Can be inflated in two or three minutes to absolutely spherical in shape and true in balance, due to the absence of a lace or chain fabric. No dead spots due to metal valves or valve caps. Valve is set in a screw centered blade with a lining, it is unusually fast and lively. Finest quality English tempered hide from which all stretch has been removed by special process. Highly tempered and official in size, shape and weight. Complete with special pump attachment for inflating. Pressure gauge extra 25.20

Each

G7050—FAVORITE—Four-piece pattern. Regulation size. Strong pebbled grain leather back with canvas lined sewed seams. Complete with pure gum bladder 6.40

G7051—PRACTICE—Four-piece pattern. Genuine heavy cowhide backed with canvas lining. Soaked literally wet inside and stitched throughout with heavy linen cord. Regulation size. Pure gray gum bladder, leather lace and lacing needle 10.00

G7052—PRACTICE—Same as above basket ball fitted with the new and improved rubber valve bladder. Made from English tanned hide and lined with canvas. A splendid ball for practice purposes 16.00

G7053—LACED OFFICIAL LINED BASKET BALL—With the Goldsmith patented improved rubber valve bladder which can be replaced when necessary. Made of English tempered hide from which all stretch has been removed by special process. Lined throughout with heavy waxed linen Stitched throughout with reinforced linings. Warranted good in shape and weight and guaranteed to be official in size, shape and weight. Complete with cord for two full games or its equivalent in practice 21.00

Basket Ball Bladders

Each

G7081—BASKET-BALL BLADDERS—For use in G7050-51 Basket-ball 1.00

We Have Complete Stocks for Outfitting Teams. Write for Information.

Basket Ball Goals

G7060—OFFICIAL BASKET BALL GOAL—Hand forged iron. Size, 15½ inches in diameter, 6 inch side extensions. Complete with nets.
Per pair 9.30

Knee Pads

G7055—KNEE PADS—Combined knee cap and elastic bandage. Padded with circular wool felt, weight light-ness in weight with maximum protection.
Per pair 1.80

Basket Ball Pants

BASKET BALL PANTS—Good quality serviceable khaki drill, D i a m o n d padded hips. Button front. Full legs. Belt loops.

	Each
G7056—Size 28	1.80
G7057—Size 30	1.80
G7058—Size 22	1.80
G7059—Size 24	1.80

Gymnasium Shoes

GYMNASIUM SHOE—Leather insole and leather toe rand, upper made of grain horsehide. Sole is made of chrome tan cowhide. State size wanted when ordering.

Per pair

P7902—CHILD'S GYMNASIUM SHOE—Sizes 5½, 6, 6½, 7, 7½, 8, 8½ 2.20

P7903—LADIES' GYMNASIUM SHOE—Sizes 2½, 3, 3½, 4, 4½, 5, 5½ 3.20

P7905—MEN'S GYMNASIUM SHOE—Sizes 5½, 6, 6½, 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11 ..... 3.20

P7906—BOYS' GYMNASIUM SHOES—Sizes 2½ to 5 ..... 3.20

Striking Bags and Bladder

G7087 G7082 G7083 G7084 G7085 Each

G7087 MEDIUM SIZE—Wine colored chrome leather with canvas lining. Double stitched with brass cord. Plain leather hanger. Pure gray gum bladder 5.34

G7082—FAVORITE SIZE—Good quality olive colored heavy cowhide with canvas lining. Close stitched seams. Pure gray gum bladder 7.40

G7083—SPECIAL MODEL—Selected wine colored leather with canvas lining. Double stitched white welted seams. Plain leather hanger. Complete with pure gray gum bladder 9.00

G7084—CHAMPIONSHIP—Selected tan calf skin with a heavy canvas backing. Seams double stitched. Plain leather hanger. An exceptionally durable bag. Complete with pure gray gum bladder 13.40

G7085—STRIKING BAG BLADDER—For use in striking bags G7081, G7083, G7082 and G7089 ..... 2.10

Volley Balls

Each

G7075—ENGLISH TWELVE-PIECE PATTERN—A durable ball made of peal chrome "Ended-Teg" cowhide, with canvas lining. Gray gum bladder, leather lace and lacing needle 5.50

Regulation Pitching Shoes

IN TWO COLORS TO AVOID DISPUTES

Per pair

G8088—REGULATION PITCHING SHOE—Weight, 2¼ pounds. Drop forge alloy steel, countersunk and hardened diamond toe calks, heel, side and wagon rod; each pair in box 2.00

Per pair

G8087—REGULATION STEEL STAKES—With pointed end and red head; diameter, 1 inch; length, 21 inches 2.00

Striking Bag Platform

Each

G7091—STRIKING BAG PLATFORM—Made of the best quality selected hardwood, firmly and securely bolted together. Size diameter, 22 inches. Weight, 7½ pounds. Especially adapted for home use. Can be easily attached or detached 8.00

Boxing Gloves

G7063 G7064 G7065 G7066

Each

G7060—SMALL SIZE—Leather gloves for a small boy. Made of wine colored leather throughout. Green trimming. Wool padded 5.34

G7061—BOYS' SIZE—Olive gloves leather with black trimming. Hair palm grip. Well padded with good quality hair 5.00

G7062—MEDIUM SIZE—Tan glove leather throughout. Safety palm grip. Padded with good quality hair 5.70

G7063—MEDIUM SIZE—Olive glove leather. Safety palm grip. Curled hair filling 7.30

G7064—TWO INCH PADDING—Good quality tan glove leather. Black roll palm safety grip. Combination. Good quality curled hair padding 9.70

G7065—SPECIAL—A very serviceable, medium priced glove made of wine colored chrome leather. Roll palm safety grip. Curled hair padding. Well padded 10.00

G7066—CORBETT STYLE—Large double padded cuff. Fine quality golden brown kid. Safety palm grip. Good grade curled hair padding 12.00

Knee Pads

Basket Ball Pants

Striking Bags and Bladder

Volley Balls

Boxing Gloves

Knee Pads

Basket Ball Goals

Volley Ball Bladder

Each

G7073—For use in G7075, G7076, G7077 volley balls 1.60

Increase your sales with our new Animal Construction Boxes

ZOO

The New Animal Construction Box

with animal figures and animal caricatures, which can be assembled and have movable parts.

These new Animal Construction Boxes are made in the finest manner and provide highly educational and occupational play. Popular wherever shown.

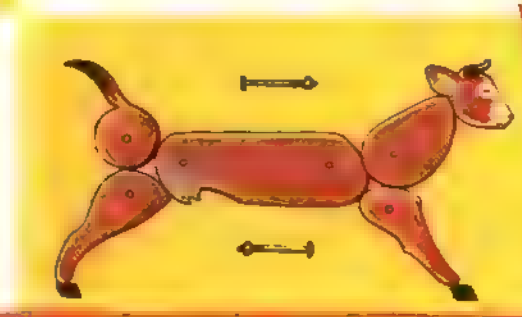
These new Animal Construction Boxes are delivered in four different sizes with 1, 3, 6 and 12 animal figures. They can be retailed at 50c, $1.50, $3.00 and $5.00

SOLE MANUFACTURER

ZOO-WERKSTÄTTEN G. m. b. H.

Munich 50, Germany

Increase your sales with our new Animal Construction Boxes



To quickly introduce our new Animal Construction Boxes, we will deliver for $10.00, post free including packing, the following assortment: 12 assorted boxes, each containing 1 figure, 4 boxes, each containing 3 figures, 3 boxes each containing 6 figures, and 1 boxes, each containing 12 figures.

Keystone Cycles are second to none in ... durability and value

This Keystone Kidobike is a real volume seller priced for long profit margin. — "FIRST PEDAL CAR."

The New Kidobike Velocipede ... made by ... doing something better than the usual Pedal Car

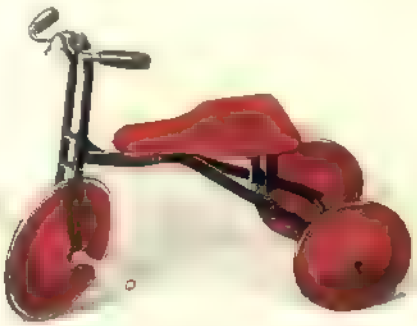
There is nothing finer than this beautiful Keystone Tubular Velocipede.

An inspection of a Keystone Cycle will convince you that we have eliminated all known faults in this increasingly popular type of vehicle.

For unusual velocipede value get prices on this big selling Keystone Number

A tubular frame, ball bearing velocipede with bicycle spokes offering the utmost at a medium price

KEYSTONE
IS OFFERING
QUALITY *and* SERVICE
You Should Know About Before Planning Your Fall and Holiday Orders
WRITE
FOR SAMPLE ASSORTMENT
Children's Vehicle Dep't
KEYSTONE LANTERN CO
FACONY PHILADELPHIA, PA



Brightly colored, strongly made and priced to move off your floor quickly this is a staple number that sells every day in the year

The outstanding quality of Keystone Kidobikes is reflecting in everything but the price

T. COHN'S METAL HORNS

Indisputably the finest line on the market for

JOBBERS—SYNDICATES—QUANTITY BUYERS

We guarantee better quality—more attractive prices and prompt delivery, as we carry a tremendous stock for your convenience.

NEW YORK SALESROOMS:

RIEMANN, SEABREY CO., Inc.

215 Fourth Avenue New York City

Send for Samples and Prices

T. COHN, Inc. Our Factory and Salesrooms: 745-759—65th STREET BAY RIDGE, BROOKLYN, N. Y.

Now Ready To Supply The Demand For

A Smaller, Lower Priced PONEY-BIKE!

New, Greatly Improved, Easy Running Models of The Most Appealing Wheel Toy In Many Seasons

There is now a Poney-Bike for every child, from little tots of 2 years right up to 9. Smaller models No. 0 and No. 1 ready for shipment in August; other sizes ready for immediate shipment.

The construction on every model has been greatly refined and improved. They now have curved handlebars, real leather ears, and a new patented feature which enables the rider to gallop or run stationary by the mere turn of a nut. Ball-bearings under each hoof and in every wheel make possible real speed with amazing little effort. Strikingly finished in Dapple Grey, Tan and Dark Brown.

See for yourself the beauty, durability and ingenuity of the Poney-Bike, with all the advantages of the ordinary velocipede PLUS an exhilarating GALLOPING MOTION. Write today!

Poney-Bike Mfg. Corp.

11 DUFFIELD STREET BROOKLYN, N. Y.

Order a Sample

of Our New Small Lower Priced Model

Be the first in your town to show something really new in wheel toys this Fall. Put the sample on your floor or in your window, and when you see how fast it sells, you'll be back for more.

Poney-Bike

"Poney-Byk" Trade Mark Reg. U. S. Pat. Off. Pat. U. S. and Canada.

The Only Metal (Steel) Galloping Horse in the World

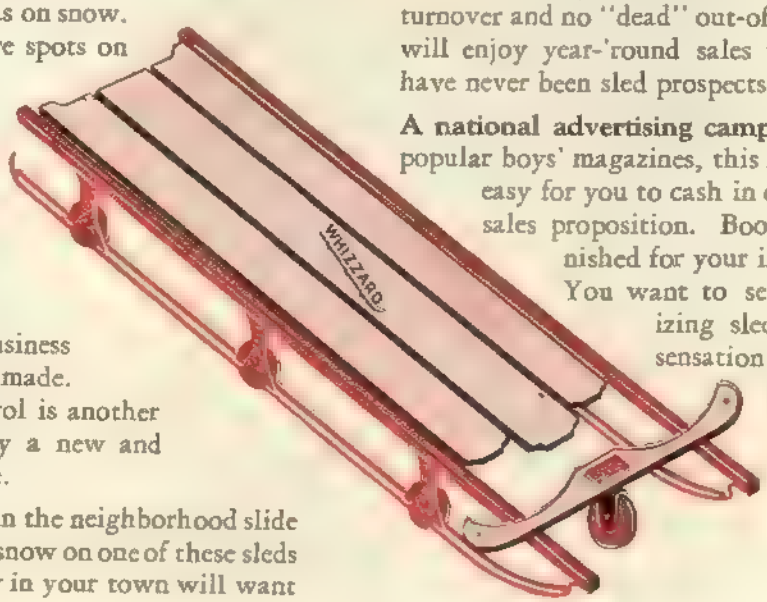
SENSATION

WHIZZARD, the Sled that knows no Seasons—

Coasts in Winter and Summer alike

Small wheels and runners combined carry WHIZZARD lightly over bare ground with the same cyclone speed as on snow. It whizzes over bare spots on the slide. Will coast the whole year 'round in any climate. . . This one feature makes the WHIZZARD the most revolutionary development in the sled and coaster business since sleds were first made. . . . Absolute control is another feature provided by a new and easy steering device.

Let one boy or girl in the neighborhood slide down a hill bare of snow on one of these sleds and every youngster in your town will want a WHIZZARD!

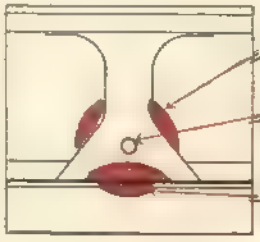


Increase your yearly profits with a staple item that sells every month in the year. A quicker turnover and no "dead" out-of-season stock. You will enjoy year-'round sales to customers who have never been sled prospects before.

A national advertising campaign in the most popular boys' magazines, this Fall, will make it easy for you to cash in on this remarkable sales proposition. Booklets will be furnished for your imprint.

You want to see this revolutionizing sled. It will make a sensation in your store. Send for sample to-day.

Patents Pending


WHEEL EASILY REPLACED
STEEL AXLE
BRASS BUSHING
WHEEL CARRIES SLED OVER BARE SPOTS BUT DOES NOT HINDER SLED RUNNING ON SNOW

Retail Prices

Model "J" 30 in.	$8.75
West of the Rockies	9.75
Model "W" 42 in.	10.00
West of the Rockies	11.00

The Pollack Roller Runner Sled Co., Inc.
11 Beacon Street, Boston, Mass., U. S. A.

THE POLLACK ROLLER RUNNER SLED CO., INC
11 Beacon Street, Boston, Mass., U. S. A

Please ship, immediately, one sample Model "W" WHIZZARD, the all-season sled, at $6.75

NAME

ADDRESS

JOBBER ADDRESS

"STURDITOY"

FOR GIRL AND BOY

Fifteen Beautiful Models

OPEN TRUCK
COAL TRUCK
DAIRY TRUCK
WATER TOWER
ARMORED CAR
POLICE PATROL
STEAM SHOVEL
U. S. MAIL TRUCK
CHEMICAL PUMPER
GONDOLA DUMP TRUCK
OIL and SPRINKLER TRUCK
REGULATION DUMP TRUCK
GENERAL DELIVERY TRUCK
AMERICAN R. R. EXP. TRUCK
TRAVELING STORE
(Includes Cartons of Nationally Known Products)

See them *Show them* *Sell them*

A Word to Late Buyers—Many Playthings Allow Substitution Without Selling Loss. But

THERE IS NO SUBSTITUTE FOR "STURDITOY"

Write for Particulars

PRESSED METAL CO.

PAWTUCKET RHODE ISLAND

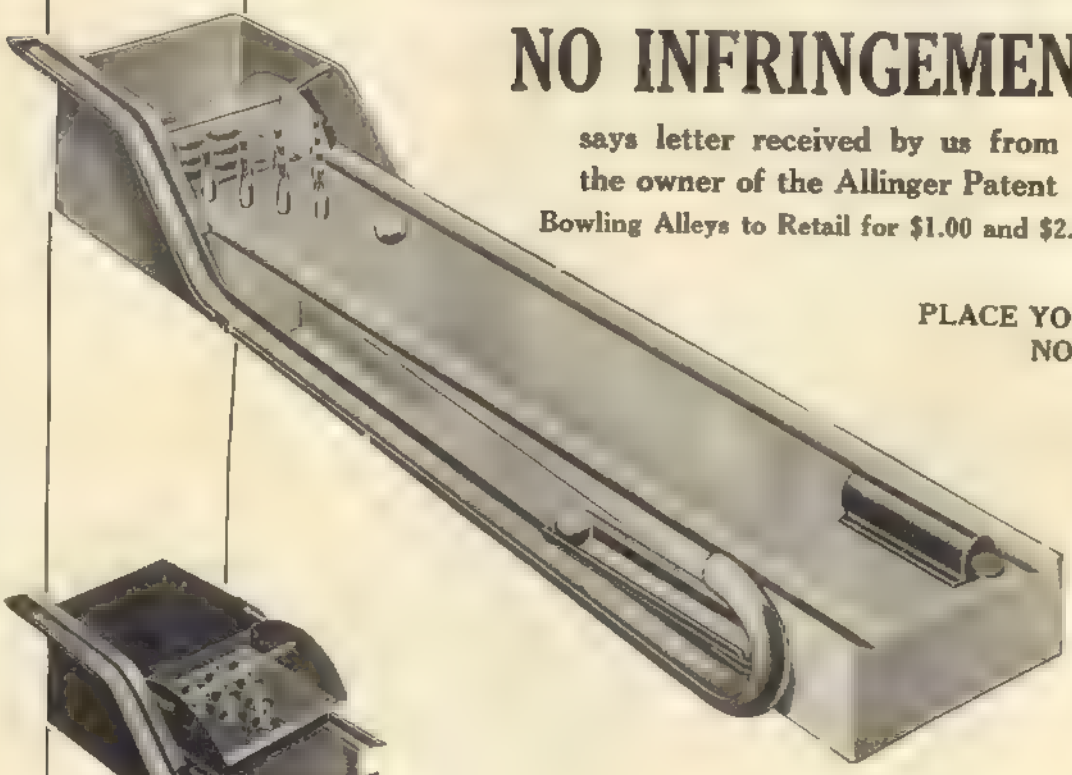
Distributors—Davis & Voetsch, 242 Fourth Avenue, New York

OUR POOL TABLES ARE NO INFRINGEMENT

says letter received by us from the owner of the Allinger Patent

Bowling Alleys to Retail for $1.00 and $2.00

PLACE YOUR ORDER NOW!

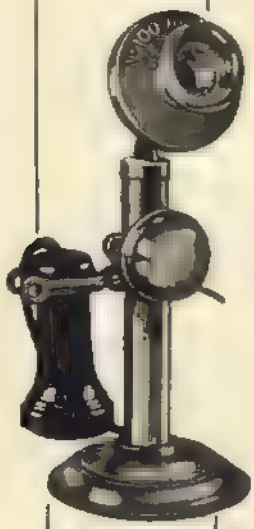


Patent No. 1625980

We also manufacture a Complete Line of **TOYPHONES** Five Numbers to Retail 25c to $1.00

No. 800
"The Pool Table De Luxe"

Size, 17 x 4 x 11½ inches. To retail $1.50 Triangle, 16 Balls, 2 Cue Sticks. Packed 1 doz. Shipping weight, 32 lbs.



No. 100 Toyphone

Shooter, 2 Balls. Length, 19¾ inches Packed 1 doz. Shipping weight, 15 lbs

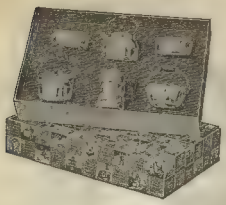
No. 700 Skee Ball Alley

Built to Satisfy Live Buyers Who Know Toys

The Brinkman Engineering Co.

Dayton, Ohio, U. S. A.

TOY COOKING SETS



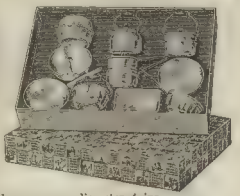
6 Piece Colonial Set.

26 gauge aluminum, polish finish. Set consists of six pieces as follows:
1—½ pt. tea kettle.
1—½ pint percolator.
1—10 ounce preserving kettle diameter 4 ins.
1—10 ounce convex kettle, diameter 3½ ins.
1—Round roaster, diameter 4 ins, depth 1¼ ins.

Per Doz Sets

No. M145—Wt per doz 21¼ lbs..... $39 00

One set in lithographed nursery rhyme counter display box.



10 Piece Colonial Set.

26 gauge aluminum, polish finish. Set consists of 10 pieces as follows:
1—½ pint tea kettle.
1—Round double boiler, diameter 10 ins.
1—10 ounce preserving kettle, diameter 4 ins.
1—10 ounce convex kettle, diameter 3½ ins.
1—10 ounce lipped sauce pan, diameter 4 ins.
1—Round roaster, diameter 4 ins, depth 2½ ins.
1—Fry pan, diameter 5 ins, depth 1½ ins.
1—Layer cake pan, diameter 5 ins; depth 1 inch.
1—Shallow cake pan, size top 8x4¾ ins, depth ⅞ inch.
1—Tubed cake pan, diameter 5 ins, depth 1¾ inches.

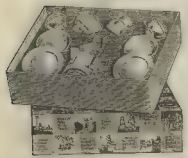
Per Doz Sets

No. M146—Wt per doz sets 30 lbs $52 50

One set in lithographed nursery rhyme counter display box.

TOY PERCOLATOR SETS

Aluminum, 11 Piece Set.



24 gauge aluminum, polish finish. Set consists of 11 pieces, 1 percolator, capacity ½ pint with removable glass top, 1 cream pitcher and 1 sugar bowl capacity 2¼ ounces each, 2 cup capacity 1½ ounces, 2 plates 3½ inches in diameter, 2 saucers 3¼ inches in diameter and 2 spoons length 3¼ inches.

Per Doz Sets

No. M175—Wt per doz sets 15 lbs..... $25 50

One set in lithographed nursery rhyme counter display box.

Aluminum, polish finish. Consists of 9 pieces: one 1 pt. percolater with detachable handle, welded spout and glass top, four 4 ounce knuried cups and four saucers, diameter 4 inches.

Per Doz Sets

No. M113—Wt per doz sets 22¼ lbs..... $49 50

One set in lithographed nursery rhyme counter display box.

TOY PERCOLATORS

Aluminum.

24 gauge aluminum, polish finish. Removable glass top, nickeled brass hinge; substantially constructed inset.

Per Doz

No. M190—Capacity ½ pt; height 4½ ins; diam top 2½ ins $12 75

One in lithographed nursery rhyme counter display box.

Aluminum.

Seamless aluminum, body, polished finish; welded spout; ebonized wood handle, removable glass dome tops.

Per Doz

No. M 5 1 7 0 Capacity 1 pt; height 6 ins; diam bottom 3¼ ins..... $27 00

One-twelfth doz in lithographed nursery rhyme counter display box; wt per doz 5 lbs.

TOY TEA SETS

NURSERY RHYME ASSORTMENTS

Assortment consists of 24 sets made up of the following numbers:

		Retail Value
6—No. M3266, 3 piece child's Set at	$0.25	$1.50
6—No. M161, 8 piece child's Toy Set at	.25	1.50
3—No. M168, 10 piece child's Tea Set at	.50	1 50
3—No. M163, 4 piece child's Cooking Set at	.50	1.50
2—No. M166, 19 pieces child's Tea Set at.	1.00	2.00
2—No. 8 child's Cooking Set at	1.00	2.00
2—No. M5170, 1 pt childs Percolator at	1.00	2.00
24 sets to sell for		$12.00

Per Ass't

No. M24—Ass't complete as above described..... $25 50

One ass't in case; wt per ass't 20 lbs.

TOY COOKING SETS

"Also Dept. 6, Page 1605"

PYREXETTE

6 Piece.

Set consists of 6 pyrex dishes: 1 casserole and cover, 1 bread pan, 1 pudding or baking pan, 1 wide flange pie plate and 2 custard cups.

Per Set

No. M520—Wt per set 4½ lbs. $4 20

One set in cardboard counter display box.

KITCHEN SETS

4 Piece Set.

Nickel plated; white enameled hardwood handles. Set consists of cake turner, batter spoon, egg beater and ladle.

Per Doz Sets

No. M11—Wt per doz sets 6 lbs **$12 75**

One-twelfth doz sets in lithographed nursery rhyme counter display box.

KITCHEN SETS

8 Piece Set.

Nickel plated; white enameled hardwood handles. Set consists of potato masher, spatula, cake turner, pastry knife, measuring spoon, batter spoon, egg beater and ladle.

Per Doz Sets

No. M13—Wt per doz sets 12 lbs.---------- **$25 50**

One-twelfth doz sets in lithographed nursery rhyme counter display box.

TOY LAUNDRY SETS

No. M0—Set consists of blue and white enameled wash tub, size 3¾x7¼ ins, metal rubbing surface wash board, length 8 ins; clothes reel, height 8 ins with 40 ins of line and 6 clothes pins---------- **$13 50**

Per Doz Sets

One twelfth doz sets in cardboard box; wt per doz sets 13 lbs

Per Doz Sets

No. M1—Consists of the following: wash tub, clothes reel, wash board and bag of clothes pins..**$27 00**

One-twelfth doz sets in carton; wt per doz sets 36 lbs.

Per Doz Sets

No. M2—Consists of the following: wash tub, clothes reel, wash board, bag of clothes pins, wringer and wash basket..**$63 75**

One-twelfth doz sets in carton; wt per doz sets 58 lbs.

Per Doz Sets

No. M3—Set consists of the following: wash tub, clothes reel, wash board, bag of clothes pins, wringer, basket, ironing board and sad irons. **$85 50**

One-twelfth doz sets in carton; wt per doz sets 100 lbs.

TOY WRINGERS

Malleable iron frame electro galvanized finish; ¾ inch rubber rollers. The crank is removeable and will turn the rollers backwards or forwards.

Per Doz

No. M8—Wt per doz 18 lbs.------- **$27 00**

One doz in carton.

TOY VACUUM CLEANERS

Aluminum finished metal base, black enameled steel case and rubber tired wheels. Detachable cloth dust bag; black enameled wood handle. Sounds like a real vacuum cleaner and operates by friction will pick up dust and ashes from rug or carpet.

Per Doz

No. M105—Height over all 28 ins.---------- **$66 00**

Half doz in carton; wt per doz 63 lbs.

TOY RANGES

HOME

Cast iron, polished and nickel plated. Equipment—kettle, skillet, lid lifter and 1 length of pipe.

Per Doz

No. M3—Length 5 ins; height 3½ ins; width 5 ins.---- **$12 00**

One-third doz in cardboard box; wt per doz 26 lbs

QUEEN

Cast iron, semi-gloss black lacquer finish with gold bronze decoration. Perfect model of a large cook stove. Equipment—kettle skillet, lid lifter and 1 length of pipe.

Per Doz

No. M5—Length 6½ inches; height 4 ins; width 4½ ins**$14 25**

One-third doz in cardboard box; wt per doz 26 lbs.

BLUE BIRD COMBINATION COAL AND GAS RANGE

Cast iron, enameled blue finish, trimmings nickel plated. Equipment—skillet, kettle, lid lifter, coal hod and shovel.

Per Doz

No. M130—Height 7¾ ins; length 7 ins; width 4⅝ ins . .**$37 50**

One in cardboard box; wt each 6⅞ lbs.

PIPE WRENCHES

"PERFECT HANDLE" PARTS

No. PH1—Movable or Front Jaws.

For Wrenches, Inches	8	10	14	18
Weight, Each, Lbs..	¼	½	1	1¼
Each	$0.75	.80	1.00	1.33

Loose.

No. PH2—Nuts.

For Wrenches, Inches	8	10	14	18
Weight, Each, Ounces	¼	1¼	2½	3½
Each	$0.11	14	17	.22

Loose.

No. PH3—Frames.

For Wrenches, Inches	8	10	14	18
Weight, Each, Lbs	¼	½	¾	¾
Each	$0.35	.40	.50	.55

Loose.

Extra Springs

No. PH4—

For Wrenches, Inches..	8	10	14	18
Each .	$0.03	.03	.03	.04

Loose

Frame Pins

No. PH5—

For Wrenches, Inches	8	10	14	18
Each	$0.03	.04	.04	.04

Loose.

Spring Pins

No. PH6—

For Wrenches, Inches..	8	10	14	18
Each	$0.03	.04	.04	.04

Loose.

TRIMO

Drop Forged From Selected Bar Steel Interchangeable in All Parts Bottom Threads, Guaranteed Not to Strip or Burr

Movable Jaw and Nut are Made with Round Top and Inserted Jaw

STEEL HANDLE

Discount

Nos.	T6	T8	T10	T14	T18	T24	T36	T48
Lgth., Ins	6	8	10	14	18	24	36	48
Adj. Ins	½ to ¾	½ to ¾	½ to 1	½ to 1½	½ to 2	½ to 2½	½ to 3½	1 to 5
Wt., Ea., Lbs	¼	½	1¼	3	5	8½	17	24
Each	$2.00	2.25	2.50	3.50	5.00	7.25	13.50	20.00

Nos. T6 to T24, half dozen in a box; balance loose.

WOOD HANDLE

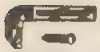
Discount

Nos.	TW6	TW8	TW10	TW14
Lgth., Ins	6	8	10	14
Adj., Ins	½ to ½	½ to ½	½ to 1	½ to 1½
Wt., Ea., Lbs	¼	½	1½	3
Each	$2.00	2.25	2.50	3.50

Half dozen in a box.

In the Future All No. TW10 Trimo Wood Handle Pipe Wrenches Will Be Packed in Individual Boxes with Six Boxes in a Counter Display Carton as Shown in Illustration at the Left

TRIMO PARTS



No. T1—Jaws

No. T2—Nuts

No. T3—Jaws

No. T4 Frame

No. T1—Movable or Front Jaws.

For Wrenches, In.	6	8	10	14	18	24	36	48
Wt., Each, Lbs .	½	½	½	1	1½	2	4½	7½
Each	$ .75	.80	.85	1.15	1.75	2.35	4.35	7.25

No. T2—Nuts.

For Wrenches, Inches..	6	8	10	14	18	24	36	48
Weight, Each, Ounces..	½	½	1¼	2½	3½	4½	12	16
Each..	$ .12	15	.20	.30	.35	.55	1.10	1.50

No. T4—Frames.

For Wrenches, Inches.	6	8	10	14	18	24	36	48
Weight, Each, Lbs....	½	½	¾	½	½	½	1½	2
Each..	$ .50	.65	.55	70	.95	1.40	2.20	2.70

No. T3—Insert Jaws.

For Wrenches, Inches.	6	8	10	14	18	24	36	48
Weight, Each, Ounces	½	½	1	2½	3½	3½	7½	16
Each	$ .35	.40	.50	.60	.70	.80	1.10	2.00

Loose.

Special Pipe Wrench Assortment of One Dozen Pipe Wrenches with FREE Display Board

Quality and Finish Equal to Any Pipe Wrench Made. Only Highest Grade Material Used in Their Manufacture and Greatest Care Used in Maching and Finishing.

Display Board Furnished FREE with Assortment is Lithographed in Four Colors. It is Equipped with Wire Easel and Chain Hanger. Size of Board 10¾ x 16½ Inches. Assortment Contains:

2— 6 Inch Wood Handle Pipe Wrenches
2— 8 Inch Wood Handle Pipe Wrenches
2—10 Inch Wood Handle Pipe Wrenches
2— 6 Inch Steel Handle Pipe Wrenches
2— 8 Inch Steel Handle Pipe Wrenches
2—10 Inch Steel Handle Pipe Wrenches

Per Assortment

No. 1117 .....

One Assortment in a Box: Weight about 20 Pounds.

BICYCLE ENAMEL

—ACME—

Ground in pure linseed oil.

An enamel which will cover perfectly and dry with a beautiful lustrous finish. Only one coat is necessary. Our black enamel is not ordinary asphaltum disolved, but a high grade pigment ground in oil the same as our other colors.

In ¼ lb. friction top cans.

Nos.	20	21	22	23	27
Color	Black	Red	Blue	Maroon	Green
Per Doz	$6 00	8 25	8 25	8 25	8 25

One doz cans in wood box; average wt per doz 4¾ lbs.

BICYCLE SADDLES

JUVENILE

Good quality leather, mahogany color; perfectly formed and stitched around the edge; hair padded seat; nickel plated steel frame, truss and springs; two cushion coil springs in rear.

Per Doz

No. D104—Length 7½ ins; width 6½ ins $40 95

Packed loose; wt per doz 24 lbs.

MOTORBIKE STYLE

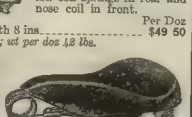
Good quality leather, mahogany color; perfectly formed and stitched around the edge; hair padded seat; metal eyelet for attaching tool bag; black enameled steel frame and springs; two cushion coil springs in rear and nose coil in front.

Per Doz

No. D6—Length 10 ins; width 8 ins $49 50

Packed loose; wt per doz 42 lbs.

TROXEL, Tip Top.



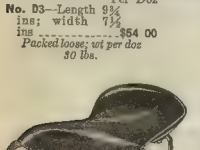
Good quality black leather top; frame, springs, and truss of steel, black enameled. Spiral cushion springs at rear, nose coil in front.

Per Doz

No. D3—Length 9¾ ins; width 7½ ins $54 00

Packed loose; wt per doz 30 lbs.

PERSON'S Bucket Type. Motorbike.



Good quality leather top, perfectly formed and stitched around stamped steel base, well padded. Two large black enameled spiral cushion steel springs at rear, nose coil in front. Truss equipped with universal clamp, easily adjusted; will fit upright or horizontal post.

Per Doz

No. D50—Length over all 11 ins; width 9¾ ins $66 00

Packed loose; wt per doz 64 lbs.

BICYCLE SADDLES

TROXEL, Motorbike.

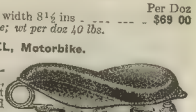
Select quality figured russet leather top, hair padded, stitched and formed to fit the shape over a 5-ply wood veneer base. Frame, springs and truss of best steel, black enameled. Large spiral cushion springs at rear, nose coil in front. Truss is equipped with universal clamp which is easily adjusted and will fit upright or horizontal seat post.

Per Doz

No. D20—Length 10½ ins; width 8½ ins $69 00

Packed loose; wt per doz 40 lbs.

TROXEL, Motorbike.



Best quality figured russet leather top, hair padded, stitched and formed to fit the shape over a 5-ply wood veneer base.

Frame and springs of best steel, black enameled. Large spiral cushion springs at rear, nose coil in front. Heavy flat steel truss equipped with new universal clamp which is easily adjusted and will fit upright or horizontal seat post.

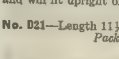
Per Doz

No. D21—Length 11½ ins; width 9⅛ ins $79 50

Packed loose; wt per doz 50 lbs.

BICYCLE PEDALS

PIRATE, Rat Trap.

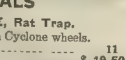


Same as used on Cyclone wheels.

No.	11
Per Doz Pair	$ 19 60
Per 100 Pair	162 00

One pair in box; wt per doz pairs 10 lbs.

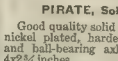
PIRATE, Solid Rubber.



Good quality solid rubber treads on nickel plated, hardened steel frame and ball-bearing axles. Size tread 4x2⅝ inches.

No. 5—Men's size	Per Pr $1 89	Per 100 Pr 180 00

One pr in cardboard box; wt per pr 1¾ lbs.



SOLID RUBBER

Good quality solid rubber treads; nickel plated steel frame.

	Per Pair	Per 100 Pair
No. 8—Men's size	$2 19	210 00
No. 9—Juvenile size	2 19	210 00

One pair in box; wt per doz pairs 18 lbs.

BICYCLE PEDAL RUBBERS

High grade rubber, ¾ inch square, 4 inches long, with deep corrugations; square bolt hole, can be turned when worn. These pedals will fit No. 4SR and other similar pedals.

Per Doz Sets

No. 4SPR—Wt per set of four about 1 lb $3 70

Packed loose.

BICYCLE SUNDRIES

VALVE CORES, For Schrader Valves.

Brass seat spring washer and screw washer all fastened on shank to fit inside of schrader valves.

No.	B-4000
Less than 100, Per 1000	$126 00
100 to 500, Per 100	118 50
500 to 1000, Per 1000	105 00
10000 to 25000, Per 1000	97 50
25000 and over, Per 1000	90 00

Packed five in tin box; wt per 100 about ¼ lb.

VALVE CAPS, For Shrader Valves.

Brass nickel plated, with knurled edge and slot in top; can be used to remove plunger core; rubber washer in top. Length 11/16 inch.

No.	B-880
Less than 100 Per 100	$12 00
100 to 500, Per 100	11 40
500 to 1000, Per 100	10 50
10000 to 25000, Per 100	9 75
25000 and over, Per 100	9 00

Packed loose; wt per doz ⅜ oz.

SCHRADER'S SHOE VALVES

Simple and absolutely air tight. Per 100

No. 761V—Brass, top nickel plated; height 2 ins; diam ⅝ in; diam of base 11/16 in; washer, set screw and knurled edge cap included $42 60

Packed loose; wt per doz about ½ lb.

SAMPSON SHOE VALVES

Brass, nickel plated, 2¼ inches high, with detachable shoe base and lock nut. Owing to its shape it cannot pull loose or cut, even if tire creeps, and will hold firmly in the tire. All Schrader parts fit this valve.

Per 100

No. 733V—Wt per doz about 1½lb $47 25

Packed loose.

REPAIR TOOLS

OKEH

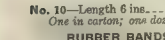
Polished tempered steel needle; bright wire hook; malleable iron handle, bright finish.

For closing punctures in tires with rubber bands. Per Doz

No. 10—Length 6 ins $5 40

One in carton; one doz in cardboard box; wt per doz 2 lbs.

RUBBER BANDS "See Dept 7, Page 1838."



Pure gray rubber; 2 inches long; 1/16 inch wide. Approximately 2700 to the pound.

Per Lb

No. 14—In ¼ lb boxes $5 70

BRASS PLUGS

All brass, with oval bottom plate, shaped to properly meet the concave of the tire and prevent leakage. Can be inserted in the smallest puncture with ease by a rotary motion, can not pull through; makes a permanent repair in any kind of single tube tire. Per Gro

No. 1S—Small	$15 00
No. 2M—Medium	15 00
No. 3L—Large	15 00

Packed loose; average wt per gro 3 lbs.

PATCHING RUBBER

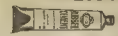
For patching inner tubes, in ¼ lb. rolls, 2½ inches wide. Per Lb

No. M—Medium weight $10 20

Packed loose.

BICYCLE SUNDRIES

RUBBER CEMENT



	Per Doz	Per Gro
No. 01BG—Tubes, ⅜x4 ins	$1 35	15 75

One doz tubes in cardboard box; wt per doz 1 lb.

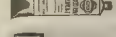
WOOD RIM CEMENT —BLUE GRASS—

The high grade of rubber and the chemicals used, compounded in accordance with exact methods insure the most perfect results. Will give perfect satisfaction to repair men and is guaranteed.

	Per Doz	Per Gro
No. 3BG Contents ¼ pt	$4 80	54 00

One doz cans in wood box; wt per doz 8¾ lbs.

WOOD RIM CEMENT—BLUE GRASS—



	Doz	Gro
No. 1BG Tubes, ⅜x4 ins	$1 35	15 75

One doz tubes in box; wt per doz 1 lb.

	Doz	Gro
No. 7BG—2 oz. bottle with swabs	$2 70	31 50

One doz bottles in carton; wt per doz 4¼ lbs.

NEVERLEAK TIRE FLUID

By injecting a four ounce tube of Neverleak Tire Fluid into a bicycle tire, it will be made leakproof. The moment a tire containing "Neverleak" is punctured, the air pressure within forces the fluid into the aperture, and exposure to the outer air coagulated it and instantly closes the vent.

The thread end of the opening of the tube is exactly the right size to screw into the valve stem.

Per Doz

No. 4T—4 ounce tubes $6 90

One doz tubes in paper counter display case. We do not break pkg.

TIP TOP GROSS LOT DEAL

Special Price, Double Certificates.

The Tip Top deal consists of one gross of 4 oz. tubes, accompanied by double certificates (24 instead of 12). Below are a few examples of the valuable premiums to be secured with the certificates, as shown on circulars packed in each case.

For 10 certificates a beautiful gold clock or 4 solid leather handle screw drivers. For 12 certificates a solid brass business sign, 12x15 inches. For 20 certificates a 42 piece fine quality decorated dinner set. For 24 certificates a genuine Sessions regulator clock. The dealer is also entitled to received on application to the factory, one complete window display outfit. This deal cannot be broken. These certificates must be sent direct to The Buffalo Specialty Co., Buffalo, N. Y., to secure premiums. Per Gro

No. 4TTO—Wt per gro, 80 lbs $77 25

One gro in case.

TIRE TAPE —BLUE GRASS—

High grade tape, possessing exceptional adhesive qualities; does not dry out easily, is capable of withstanding extreme heat much longer than is required by the most severe tests; ¾ inch wide; there is on an average of about two yards of tape in a one ounce roll.

Nos.	D-1BGT	D-2BGT	D-4BGT	D-8BGT
Size roll, ozs	1	2	4	8
Rolls to carton	16	8	1	1
Per Lb	$1 11	1 08	1 05	1 05

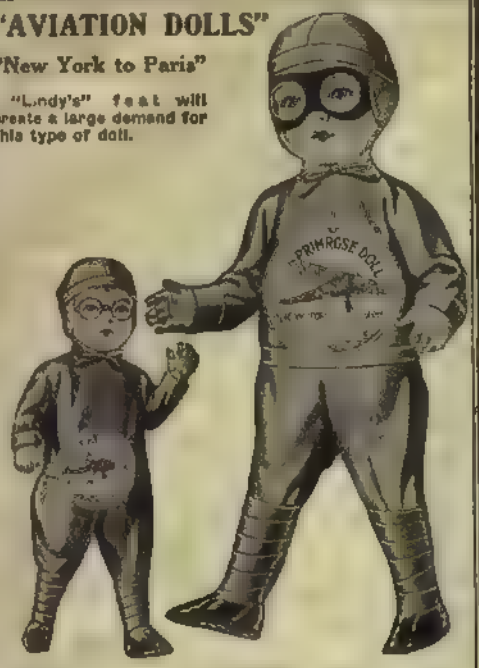
NEW GOODS and POPULAR STAPLES

To Miss ONE Item—Is Missing A Profit Opportunity

"AVIATION DOLLS"

"New York to Paris"

"Lindy's" feat will create a large demand for this type of doll.

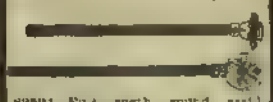


1F5284—10 in. breast plate composition head and arms painted features, removable goggles, fastened to head. Fine khaki twill aviator's suit, to match, sporty leggings, patent leather shoes. New York to Paris tag. 4 doz. in box. Doz **$8.00**

1F5285—27½ in. breast plate composition head and arms painted features, removable goggles, fastened to head. Fine khaki twill aviator's suit, to match, sporty leggings, patent leather shoes. New York to Paris tag. 4 doz. in box. Doz **$16.00**

NOVELTY BRIDGE PENCILS

Ornamental celluloid tips



92804—Fine smooth, rounded assorted colors pencils, topped by celluloid heads and trump indicators in bright colors. Assorted to box in box. 8 styles. Doz **95c**

NOVELTY BRIDGE SCORE PAD

Assorted colored celluloid covers

92803—2¾x5 assorted colored celluloid covers, stamped designs. 24 sheets, gummed at top. Assorted styles. Bridge Score Pads. Assorted to box in box. Doz **80c**

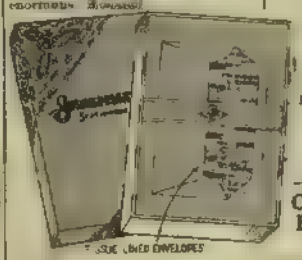
PAPER COVERED NOVEL

Popular titles, absorbing tales illustrated with scenes from the movie production.

84118—24 titles, 6¼x8 average 128 pp. large clear type, colored covers, illustrations from the movies, titles: Tell It To The Marines, The Mudlark, The Quarterback, Drums, Hearts of Humans and other recent hits. Assorted 2 doz. in pkg. Doz **79c**

"SHALIMAR" BOX PAPER

All the latest popular features—large sheets, large TISSUE LINED envelopes, 3 tints—should be in enormous demand.



"Shalimar"—4 tints: rose, French pink, gray and white. First grade linen finish stock. 15 sheets and 15 envelopes to pkg. Packed in fancy flower box, with a covering of moiré paper, ornamental design and tied with silver and gold ribbon. 88850—Assorted. 6 pkgs. in carton. Doz **$2.25**

"ZIPPERETTE" NOVELTY HAND BAGS

Latest novelty, just out! Splendid range of colors in the popular lizard, alligator and cobrich grains.

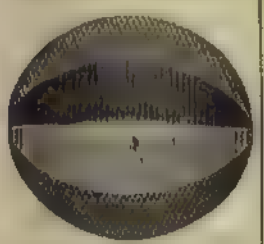
89252—8½x6½ in. assorted fancy grain red bloods, navy and tan with contrasting colored trimming top, lined, mirror, change purse, coin purse and key strap. ½ doz. in box. Doz **$8.25**

"NORIDA" DOUBLE COMPACT

15116—"Norida" double, naturelle powder medium, peppy and orange rouge. 3 rose and 3 orange thin wheels. ½ doz. in display card with ONE LIP STICK FREE. Doz **$8.00**

INFLATED BEACH OR PLAY BALLS

Popular bright colored balls for indoor and outdoor amusement. In great demand as beach balls.



1F1572—10 in. diam., heavy muslin cover in 4 bright colors, well knitted, heavy bladder. 1 doz. in box. Doz **$1.75**

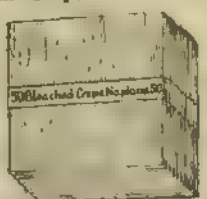
1F1074—11 in. diam., waterproof, red, white and blue cover, strongly stitched, heavy rubber bladder. Packed in box. This is a big value. Immediate delivery. Write, wire or phone us now and get your order in early. ½ doz. in pkg. Doz **$4.00**

RUBBER BATHING BELT

15138—1¼ in. rubber, adjustable, packed in cellophane envelope, assorted colors, with fancy nickel trimmings and buckle. Small, medium and large. 1 doz. in box. Doz **89c**

WHITE CREPE NAPKINS

Semi-Crepe—50's Banded



82057—13x13 fine quality 100% bleached pure white semi-crepe napkins, banded in 50's. (Can be retailed 50 for 5c.) 1 M in pkg. Per M **66c**

NOW! "UNDERWOOD" PORTABLE TYPEWRITER

The Ideal Machine for Small Stores and for Resale, for Private Use in Homes, Hotels, Lodges, etc. In Big Demand by Students, Professional Men and Authors.

We don't need to tell you what the name "Underwood" means on a typewriter. For generations, it has been the leading writing machine and now you can get everything that name implies in a new and highly satisfactory PORTABLE typewriter. As on the standard "Underwood" machines, the typebar action features quiet operation, easy action, clean work and the highest possible speed without jamming. USE the "Underwood" — SELL the "Underwood."

➡**$76**—Portable "Underwood," sturdily built to withstand daily and constant use, steel topped frame. STANDARD keyboard with 84 keys printing 84 letters, figures, & rule. Carriage takes paper 9½ wide, writes 8½ wide. Back spacer, two color ribbon, automatic ribbon reverse, key shift lock, column selector, tabulator, line finder, paper fingers and release, rubber feet. Part—NEW PARTS FURNISHED FREE IN EXCHANGE FOR ANY PART PROVING DEFECTIVE FROM ANY CAUSE OTHER THAN MISUSE. Each in case, 12 lbs. 12 oz. Each **$60.00**

➡*Shipped F. O. B. New York City*

PACKAGE WRITING PAPER AND ENVELOPES

24 Count Packages

Fine quality stationery in popular priced packages. Best selling styles, sizes and tints.

"Vandalia" Stationery. High grade 60 lb. linen finish stock, with ornamental bands printed in 3 colors and gold.

Royal Size Folded Sheets—3½x5½, 24 sheets in pkg., 24 pkgs. of a color in box.

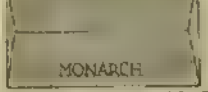
80380—White	Pkg	7½c
80381—Gold		
80382—Ink		
80383—Blue		

Royal Size Envelopes—3⅛x5⅝, 24 in pkg., 6 pkgs. of a color in box.

80380—White	Pkg	7½c
80381—Gold		
80382—Ink		
80383—Blue		

Monarch Size Bifold Sheets—7x10½, 24 sheets in pkg., 24 pkgs. of a color in box.

80385—White	Pkg	8c
80386—Orchid		
80387—Pink		
80388—Gray		



Monarch Size Envelopes—3⅝x7½, 24 in pkg., 6 pkgs. of a color in box.

80385—White	Pkg	8c
80386—Orchid		
80387—Pink		
80388—Gray		

COLORED FLEXIBLE CANDIES

Big Penny Values

Assorted colors and flavors, not affected by weather.

Pipes

Y1575—120 in box. Box **75c**

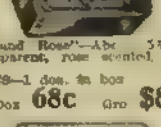
Puffs

Y1573—6¼ in. long, 120 in box. Box **75c**

Twist

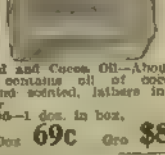
Y1574—11 in. long, 120 in box. Box **75c**

TOILET SOAPS



"Highland Rose"—About 3½ oz. transparent, rose scented.

Y5878—1 doz. in box. Doz **68c** Gro **$8.00**



Almond and Cocoa Oil—About 8½ oz., contains oil of cocoanut, almond scented, lathers in hard water.

Y5866—1 doz. in box. Doz **69c** Gro **$8.25**

AMERICAN HARDWOOD PIPES

12145—Mahogany finish, assorted shapes, bent and straight stems, with white bits, nickel plated ferrules. Assorted 2 doz. in carton. Doz **78c**

MACHINISTS TOOL CHESTS

UNION

Plain Oak, Five Drawers

Lock-Cornered Joints, 3-Ply Veneer Bottom, Leather Handle, Nickel Plated Steel Corners, Flush Ring Pulls, Solid Brass Lock with 2 Keys. Has Two Rows of Pulls Instead of One as Illustrated

Drawers are not lined.

Each

No. XG20—5 Drawers, 1x[illegible]x6x2⅝, 1⅝, 1⅛, ⅞ and ⅝ in. Outside Dimensions 20 in. Long x 7⅜ in. Wide x 12¾ in. High, Weight Each 17 Lbs. . $12.00

Quartered Oak, Six Drawers

Lock-Cornered Joints, 3-Ply Veneer Bottom, Leather Handle, Nickel Plated Steel Corners, Flush Ring Pulls, Solid Brass Lock with 2 Keys, Dark Oak Finish, Waterproof, Varnished with Dull Rub Finish. Drawers Felt Lined.

Each

No. I-17—2 Short Drawers 7x6x⅞ in., 1 Short Drawer 7x6x2⅛ in., 3 Long Drawers 15¼x6x2⅝, 1⅝ and 1⅛ in. Deep, Outside Dimensions 17 in. Long x 7⅜ in. Wide x 10⅝ in. High, Weight Each 15½ Lbs. $13 80

Quartered Oak, Eight Drawers

Lock-Cornered Joints, 3-Ply Veneer Bottom, Leather Handle, Nickel Plated Steel Corners, Flush Ring Pulls, Solid Brass Lock with 2 Flat Keys, Dark Oak Finished, Waterproof, Varnished with Dull Rubbed Finish, all Drawers are Green Felt Lined

Each

No. I-17—4 Short Drawers 7x7x⅞ in., 1 Short Drawer 7x7x2⅛ in., 3 Long Drawers 15¼x7 in. x 1⅛, 1⅝ and 2⅝ in., Outside Dimensions 17 in. Long, 8¾ in. Wide, 12 in. High, Weight Each 18 Lbs. $14 50

No. F-20—4 Short Drawers 8½x7x⅞ in., 1 Short Drawer 8½x7x2⅛ in., 3 Long Drawers 18¼x7 in. x 1⅛, 1⅝ and 2⅝ in., Outside Dimensions 20 in. Long, 8¾ in. Wide, 12 in. Deep, Weight Each 31 Lbs. 15 50

Till Top Cover with Mirror

Quartered Oak, Seven Drawers

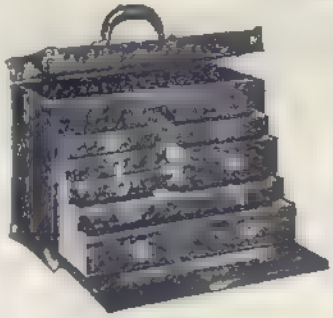
Lock-Cornered Joints, 3-Ply Veneer Bottom, Leather Handle, Nickel Plated Trimmings, Brass Lock with 2 Flat Steel Keys, Flush Ring Pulls, Waterproof Varnish, Dark Oak Rubbed Finish Paneled Back and Front. All Drawers and the Till Cover are Green Felt Lined

Each

No. B-20—4 Short Drawers 8½x6x⅞ in., 1 Short Drawer 8½x6x2⅛ in., 2 Long Drawers 18¼ in. x ⅞ and 2⅛ in., Till and Cover 19x6¼x3 in., Outside Dimensions 20 in. Long, 7⅜ in. Wide, 12¾ in. High, Weight Each 2[illegible] Lbs. . $18.80

MACHINISTS TOOL CHESTS

UNION



Till Top Cover with Mirror, Leatherette Covered, Seven Drawers

Solid Mahogany Drawer and Till Fronts, Bottom and Sides of Tills are Lined with Green Felt, Three-Ply Veneer Bottom, Leather Handles, Nickel Plated Trimmings. Brass Lock with 2 Flat Steel Keys, Flush Ring Pulls.

Each

No. A-20—4 Short Drawers 8½x6x⅞ in., 1 Short Drawer 8½x6x2⅛ in., 2 Long Drawers 18¼x6 in. x ⅞ and 2⅛ in., Till and Cover 16x6x3 in., Outside Dimensions 20 in. Long, 7⅜ in. Wide, 12¾ in. High, Weight Each 18 Lbs $20 80

UNION GARAGE

For Garage Use—Oak Oilproof Black Finish

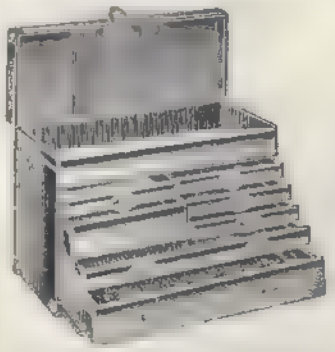
Two Small Top Drawers are fitted with movable partitions for small parts and for delicate instruments such as battery gauges, etc. The Third Drawer from the top is designed to hold a complete set of socket wrenches.

The bottom compartment is a tray made of solid oak throughout, fitted with a handle which drops down into the drawer when not in use.

Each

No. XK-20—2 Drawers 4x7⅜x⅞ in. 1 Drawer 4x7⅜x2⅛ in., 2 Drawers 12⅞x7⅜x⅞ in., 1 Drawer 12⅞x7⅜x2⅛ in., 1 Drawer 18¼x7⅜x2⅛ in., 1 Tray 18x7⅜x3⅛ in., Outside Dimensions 20¼ in Long x 9¼ in. Wide x 13⅛ in. High, Weight Each 24½ Lbs. $16.50

KENNEDY ALL STEEL



Will Not Swell, Warp or Crack

Reinforced at all points of straining. The drawers run on tracks which cannot let them drop out of place regardless of the weight of their contents.

Extra till under lid and all drawers felt lined.

Each

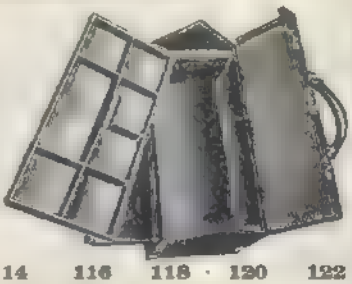
No. 515—Inside Dimensions, Till Under Lid 15⅛x6⅝x3¾ in., Large Deep Drawer 14⅝x6½x2⅛ in., Large Shallow Drawer 14⅝x6½x1⅛ in., Short Deep Drawer 7x6½x1¾ in., Short Shallow Drawer 7x6½x¾ in., 15½ in. Long x 7 in. Wide x 12½ in. High, Weight Each 16 Lbs. $16.50

No. 519—Inside Dimensions, Till Under Lid 18⅝x7⅝x3¾ in., Long Deep Drawer 18⅜x7½x2¼ in., Long Shallow Drawer 18⅜x7½x1⅛ in., Short Deep Drawer 8¾x7½x1¾ in., Short Shallow Drawer 8¾x7½x¾ in., 19 in. Long x 8 in Wide x 12½ in. High, Weight Each 19½ Lbs. 17 50

TOOL BOXES

KENNEDY MECHANICS KITS

Complete with Tray



Sheet Steel, Baked Brown Enameled Finish, Brass Catches and Corners, Fitted with Strong Two Tumbler Lock, Leather Covered Steel Handle, Double Seamed, Electric Welded and Reinforced Throughout.

Nos.	114	116	118	120	122
Length, Inches	14	16	18	20	22
Width, Inches	7	9	10	11	11
Height, Inches	9	11	13	13	13
Weight Each, Lbs.	6	8	10	11½	12¼
Each	$5.25	5.50	5.75	6.00	6.25

KENNEDY GARAGE KITS

For Shop or Outside Work

Sheet Steel, Brown Enameled Finish, Brass Catches and Corners, Two Tumbler Lock, Leather Covered Steel Handle, Equipped with Two Trays, the upper tray may be removed from the case and used about the shop with just the tools necessary for the job.

Each

No. 716—16 in. Long, 7 in. Wide, 9 in. High, Weight Each 8¾ Lbs. $6 50

CARPENTERS TOOL CASES

UNION

Zinc Covered

Lock Cornered Wool Boxes, Lacquered Zinc Covered and Bound with Black Enameled Steel Angle, Brass Plated Lock with 2 Keys Brass Plated Corner Catches and Clamps Leather Covered Handle, has Place for Three Saws, Level Brackets and Place for Framing Square, the Tray pulls out and is always level.

Each

No. Z732—32 in. Long, 7 in. Wide, 16¼ in. High, Weight Each 19 Lbs. $11 60

With Built-In Tray

This Case is of the same general construction as the No. 732, except that the top opens and the shelf under tray may be used for small Planes, Gauges, Oil Stones, etc. It is equipped with Saw and Level Racks and place for holding Framing Square.

Each

No. Z632—32 in. Long, 7 in. Wide and 16¼ in. Long, Weight Each 21 Lbs. $18 30

CARPENTERS SHOULDER BOXES

UNION

Zinc Covered

Saw Block in top will carry three Saws. Lock Cornered, Brass Plated Lock with 2 Keys.

Each

No. Z132—30 in. Long, 8½ in Wide, 8 in. High, Weight Each 14½ Lbs. $7.50

CARPENTERS TOOL CASES

WIZARD

Metal Covered

Olive Green Enameled Metal Covering, Equipped with 31 in. Drawer for Small Tools, Brackets for 30 in. Level, Space for Planes, etc.; high enough to accommodate a regular Standard Square.

Blocks in Drop Front for Three 26 in. Saws

Each

No. GL732—32 in. Long, 7 in. Wide, 16 in. High, Weight Each 23 Lbs. $9.45

Three-Ply Wood, Golden Oak Finish

Equipped with 31 in. Drawers for Small Tools. Brackets for 30 in. Levels, Space for Planes, etc., high enough to accommodate a regular Standard Square.

Blocks in Drop Front for Three 26 in. Saws

Each

No. GI632—32 in. Long, 7 in. Wide, 16 in. High, Weight Each 19 Lbs. $8 80

GENERAL PURPOSE TOOL CASES

UNION

With Automatic Tray

Lock-Cornered Wood Frame, Zinc Covered, Corner Bindings Made of Steel Rust-Proof Black Enamel Finish, Brass Plated Lock, Clasps, Corners and Hinges Securely Riveted. Lock has Two Flat Steel Keys, Leather Covered Steel Handle with Brass Plated Steel Loops.

The Tray Automatically Raises with the Top and always remains level and out of the way.

Nos.	Z218	Z219	Z222	Z225
Length, Inches	16	19	22	25
Weight Each, Lbs.	8	9	10	11
Each	$5 80	6.10	6.50	7.10

WIZARD

For Auto Mechanics, Electricians and General Use

Well Constructed Wood Frame is Covered with Olive Green Enameled Metal. Galvanized Iron Angles protect all Edges and the Corners, Locks and Strong Clamps are Heavily Brass Plated. The Indestructible Steel Handle and All Other Hardware is properly attached with Clinched Rivets instead of Clinched Nails

Fitted with Strong Metal Tray

Each

No. GL219—19 in. Long, 8 in. Wide, 8 in. High, Weight Each 7 Lbs. $4.35

133 Screen Combination Line & Halftone Plate

A MONTHLY BUSINESS PUBLICATION COVER

Reproduced from Unretouched photograph. Pen drawing of border and proof of type. Illustration may be changed each month by substituting new picture retaining the border

Engraved by THE ART ENGRAVING & COLORTYPE COMPANY, CLEVELAND

CHILDREN'S HAND CARS
TANDEM

Hardwood frame; finished in red, neatly striped; seats green with gold decoration.

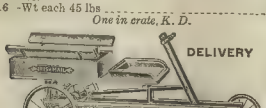
Steel gears; cog drive; brass bearings on rear drive shaft; strong tangent spoke; wheels finished in pea green. All gearing enameled black.

Length over all 56 inches; width 20 inches; height to seat 14 inches; size seats 10x12 inches; wheels 8 and 12 inches; ⅝ inch rubber tires.

Each

No. 16 -Wt each 45 lbs $27 00

One in crate, K. D.



DELIVERY

Hickory frame; bed has steel sides; heavy axles; steel gear, cog drive; brass bearing drive shaft; strong tangent spoke wheels; front axle adjustable backward or forward to suit children 4 to 12 years of age; geared three to one. Frame, lever, seat and bed finished in gloss yellow, striped and decorated. Gears black and wheels red enameled.

Each

No. 9—Length 42 ins; seat 10x12 ins; bed 11x19 ins; size wheels front 8 ins; rear 12 ins; ⅛ in. rubber tires $24 75

One in crate, K. D.; wt 55 lbs.

COASTERS

GO-BOY
Rubber Tires.

Steel frame; hardwood platform and handle; corrugated rubber pad on platform. Double disc steel wheels. Frame and wheels are finished in red enamel; platform yellow enameled.

Each

No. 10—Height over all 32 ins; diam wheels 8¼ ins; size platform 11½x21¼ ins $22 50

One in wood box, K. D.; wt each 26 lbs.

SKUDDER CARS

Propelled by direct ratchet drive on a one piece ball-bearing axle.

Pressed steel steering wheel, frame and steering fork; red with black wheels, and trimmings.

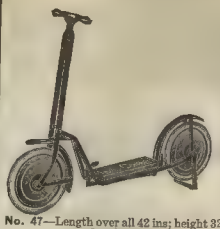
Each

No. 2-Junior—Length frame 19½ ins; width frame 10½ ins; length over all 37½ ins; extreme width to hub 17¼ ins; height steering wheel 31 ins; 10 in. rear and 8 in. front wheels; ⅛ in. rubber tires; wt each 24 lbs. $17 25

No. 1-Standard—Length frame 22 ins; width frame 13 ins; length over all 40 ins; extreme width hub to hub 20 ins; height steering wheel 36 ins; 12 in. rear and 10 in. front wheels; ½ in. rubber tires; wt each 27 lbs 18 00

One in crate.

SCOOTERS
DE LUXE DESIGN



Flat steel frame with parking stand, positive action roller brake and crown fenders, light green enameled finish.

Natural finish varnished wood foot board 15½x13 inches, covered with non-skid rubber mat.

10 inch orange enameled, decorated with green center and striped black, roller bearing, double disc steel wheels; 1¾ inch full balloon rubber tires.

Each

No. 47—Length over all 42 ins; height 32 ins $12 00

One in carton; wt each 18 lbs.

Flat steel frame, with sturdy parking stand and equipped with positive action roller brake; natural finish varnished wood foot board size 5½x13 inches; covered with non-skid rubber mat. Length over all 42 inches; height 32 inches.

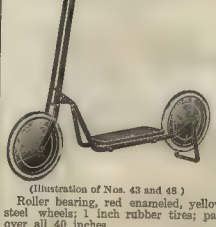
10 inch roller bearing, double disc steel wheels.

Each

No. 45—1 in. rubber tires; red enameled, yellow striped wheels $9 00

No. 46—1¼ in. full balloon rubber tires; orange enameled, green decorated 10 50

One in carton; wt each 16 lbs.



Flat steel frame, red enameled finish. Natural finish wood grip. Natural finish varnished wood foot board 5½x13 inches. Height over all 32 inches.

(Illustration of Nos. 43 and 48.)

Roller bearing, red enameled, yellow striped, double disc steel wheels; 1 inch rubber tires; parking stand. Length over all 40 inches.

Each

No. 43—8 in. wheels $7 50

No. 48—10 in. wheels 8 25

One in carton; wt each 15 lbs.

8 inch plain bearing, red enameled wheels; ½ inch rubber tires; without parking stand. Length over all 38 inches.

Each

No. 40—Wire wheels $5 25

No. 41—Steel disc wheels 5 70

One in carton; wt each 10 lbs.

SCOOTERS

With Brake.

Hardwood footstand, red enameled, covered with corrugated rubber pad; 3/8x3¼ inch steel fork assembly black enameled. Hardwood turned handle bar connected directly with frame members. Brake handle consists of a spring and cast aluminum roller which turns when brake is applied, eliminating friction. Self contained, roller bearing, pressed steel disc wheels fitted with 1 inch solid rubber tires.

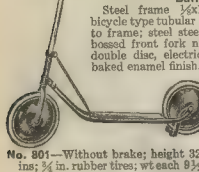
Each

No. 75—Diam wheels 10 ins; length 29 ins; height 36 ins **$12 75**

One in carton K. D.; wt each 18 lbs.

H. C. WHITE CO., KIDDIE SKOOTERS

Ball Bearing.



Steel frame ½x1 inch, black enameled; bicycle type tubular steel head, securely riveted to frame; steel steering post with heavy embossed front fork nickel plated and polished; double disc, electric welded steel wheels red baked enamel finish. Selected hardwood platform; embossed steel stand. Wheel base 28½ inches; length over all 40 inches. ½ inch steel axle.

Per Doz

No. 801—Without brake; height 32 ins; diam wheels 8 ins; ¾ in. rubber tires; wt each 9½ lbs..... **105 00**

$18 00

No. 803—With brake; height 34 ins; diam wheels 10 ins; 1 in. rubber tires; wt each 13½ lbs..... **168 00**

Two in carton. 78 00

SCOOT-A-WAYS Plain Bearing.

Steel, riveted and electrically welded; wood handle. Axle made of cold rolled steel and fitting in doubly reamed improved steel bushings. Bearings extra large and adjustable by means of castellated nut and cotter pin. 8 inch plain bearing. Double disc steel wheels, spot welded best ⅝ inch rubber tires. Cherry red finish with ivory striping on wheels.

Each

No. 127—8 in. wheels with ¾ in. rubber tires; length 34 ins; height 30½ ins. **$4 80**

(Sold in full carton lots only).

Four in carton; wt per carton 37 lbs.

One piece heavy sheet steel body, baked-on red enamel finish; double disc steel wheels, red enameled; hardwood handle, natural varnish finish.

Each

No. 50—Height over all 30 ins; length 34 ins; diam wheels 6 ins; ½ in. rubber tires..... **$2 55**

(Cases will not be broken).

Six in carton; wt each 6 lbs

BUDDY WALKERS

Shaped hardwood seat, ivory enameled; blue enameled flat iron gear; ¾ inch ivory enameled hardwood railing supported by steel brace in front and four ½ inch spindles in rear; 5 inch blue enameled double disc steel wheels with 1½ inch rubber tires; hardwood swivel casters in front.

Each

No. M438—Size seat 7¼x17¼ ins; height from floor 8 ins..... **$6 75**

(Sold in full carton lots only.)

Two in carton; wt each 6 lbs.

Shaped hardwood seat, ivory enameled; blue enameled flat steel gear; ivory enameled metal back with rubber covered hand rail; 5 inch blue enameled double disc steel wheels with 1½ inch rubber tires; rubber tired swivel casters in front. Complete with 27½ inch detachable blue enameled steel handle.

Each

No. M437—Size seat 8x17½ ins; height from floor 8¼ ins..... **$8 00**

(Sold in full carton lots only.)

Two in carton; wt each 6½ lbs.

KIDDIE KAR STROLLERS

Combination Walker, Stroller and Kiddie Kar.

Kiln dried hardwood frame, seat and axles; red enameled seat, and roller bearing disc steel wheels; frame and seat back, varnished natural finish; removable steel handle, back support with enclosing ring converting streller into a real Kiddie Kar. Front and rear equipped with rubber covered bumpers to prevent damaging furniture.

Per Doz

No. 1653—Diam wheels rear 5½ ins, front 4½ ins; length 18 ins; height seat 8¾ ins..... **156 00**

Two in carton; wt per doz 1¼ lbs $72 00

KIDDIE KAR KIDS

Consists of a 14 inch doll dressed in chambray romper suit, mounted on miniature Kiddie Kar, finished in varnished natural wood body with red wheels.

Doll automatically walks when Kiddie Kar is drawn.

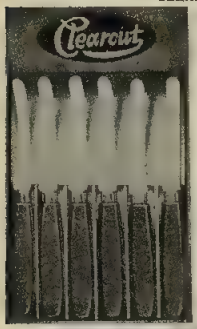
Per Doz

No. 1000—Height over all 9 ins; length over all 9 ins; diam wheels 2¾ ins..... **52 50**

$2¼ 00

One-twelfth doz in carton; wt per doz 2¼ lbs.

GRAPE FRUIT KNIVES
CLEARCUT

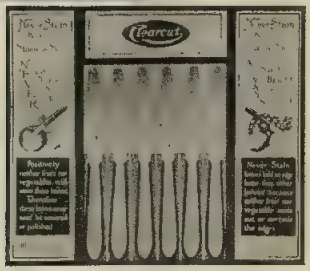


Stainless Steel

Flat rubberoid handles; concave curved best quality stainless steel blades, highly polished; rivet tang; one small steel rivet; polished steel ferrules.

No. 10S Length of blades, 3¼ inches, length overall, 7 inches . . Per Dozen, **$4.00**

One-Half Dozen in a Rack Display Box, with Easel Back

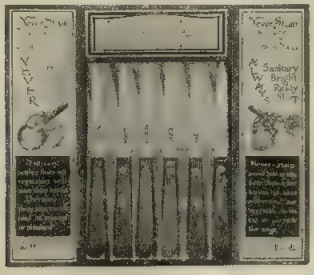


Stainless Steel

Flat cocobola handles, concave curved best quality stainless cutlery steel blades, with double cutting edges, ground and highly polished, two large brass rivets and burrs.

No. 50S Length of blade, 3½ inches; length overall, 7 inches. . . . . Per Dozen, **$8.00**

One-Half Dozen in a Rack Display Box with Easel Back



Stainless Steel

Solid, shaped, cocobola handles, best quality stainless cutlery steel blades, with milled double edges; ground and highly polished; two large brass rivets and burrs.

. . . . . Per Dozen, **$12.00**

No. 75S Length of blade, 3½ inches, length overall, 7 inches. . . . . One-Half Dozen in a Rack Display Box with Easel Back

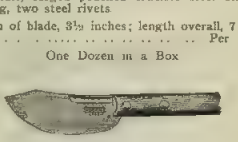
CIGAR KNIVES
UNIVERSAL

Cincinnati Pattern

Cocobola handle, forged polished crucible steel blade with tin guard, half tang, two steel rivets

No. 15 Length of blade, 3½ inches; length overall, 7 inches. . . . . Per Dozen, **$6.50**

One Dozen in a Box



Beech handle, forged polished crucible steel blade with tin guard, half tang, two large steel rivets.

No. 12 Length of blade, 3½ inches; length overall, 7 inches. . . . . Per Dozen, **$6.50**

One Dozen in a Box

FARRIERS' KNIVES
POPE'S

Detachable iron handle, polished crucible steel blade. Handle is fastened to blade with two screws.

Width of Blade, Inches	⅝	¾
Length Overall, Inches	7	7
No. 1 Per Dozen	**$14.50**	**14.50**

One-Half Dozen in a Box

Extra Blades

Width, Inches	⅝	¾
No. 1E Per Dozen	**$12.50**	**12.50**

One Dozen in a Box

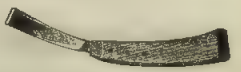
WOSTENHOLM'S IXL

White bone handle, polished Stefneld steel blade, two steel rivets.

Width of Blade, Inches	⅝	¾
Length Overall, Inches	5	5
No. 3 Per Dozen	**$20.50**	**20.50**

One Dozen Assorted, One Half Dozen ⅝ Inch and One-Half Dozen ¾ Inch in a Box

HELLER BROS.



Natural finsh selected hardwood handle, cast steel blades, tempered and polished, half tang; three iron rivets.

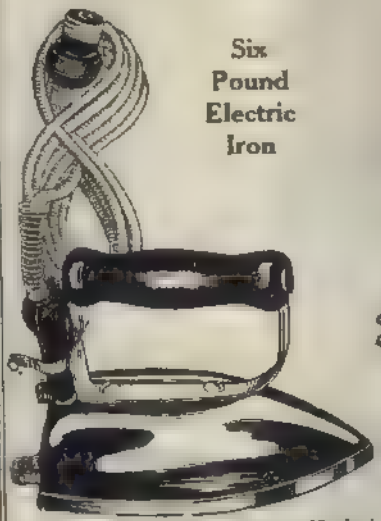
No. 50 Width of blade, ¾ inches; length of blades, 3½ inches; length overall, 9¾ inches. . . . . Per Dozen, **$12.00**

One Dozen in a Box

Electrical Appliance Department

Electrical Household Appliances have been developed to a degree that is almost perfection. They are so convenient, clean, and quick as to be considered a necessity in every modern household. Our goods are of standard quality made by manufacturers of merit whose names are well known throughout the country. Every article is fully guaranteed against defects in material and workmanship.

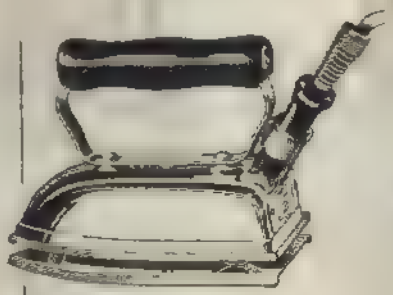
Six Pound Electric Iron



Six Pound Electric Iron. Nickel plated highly polished, black ebony wood handle, high grade workmanship, separate heating unit. Guaranteed one year. Comes complete with cord and all attachments.

No. 2562. Each..... 1.85
In lots of 6 or more, each.. 1.80

SPECIAL OFFER
Dependable Iron



Enterprise Six Pound Iron. Full nickel plated and beautifully finished a sturdy and dependable inexpensive iron. Nichrome wire heating element, ebonized handle that stays cool while iron is in use, comes with reversible heat-proof stand and 6-foot cord with connecting plugs. 780 Watts.

No. 2566. In lots of 6 or more 2.15
In lots of 1 to 5..... 2.25

New Universal 6 Pound

New Universal 6 lb. Electric Iron. Superior heat storage capacity keeps iron at right temperature when ironing, even the heaviest pieces. Full nickel plated beautiful smooth mirror finish. Large easy grip handle. Reversible heat-proof stand and 6-foot cord with attachment plugs. Guaranteed one year
No. 11658. Each..... 3.80

Travellers' Irons

1-lb. Traveling or Toy Electric Iron. Highly nickel plated, rounded corners, ebonized handles, heel rest stand. Irons all articles of clothing satisfactorily. Length 4¾ inches. Guaranteed one year. Complete with 5 feet of cord and attachments.
No. 2564. Each..... .95

Traveling Iron, Weight 2¼ Lbs. Nickel plated, highly polished, ebonized handle, improved tip up heel rest. Equipped with modern heating element. Length 6 inches, guaranteed one year. Complete with cord and attachment.
No. 2565. Each..... 1.15

"Universal" Snap Switch

New Model Universal Round Heel Electric Iron, with snap switch cord for heat control, will not wrinkle on forward or backward stroke; weight 6 lbs., nickel plated, highly polished. Complete with reversible heat proof stand and 6-foot cord
No. 11622. Each..... 4.41

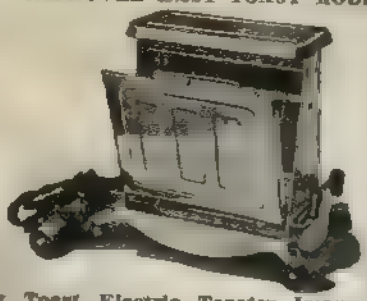
American Beauty Iron

American Beauty 6½ lbs. Electric Iron. Full nickel plated, "always cool" rigid handle, quick and evenly distributed heat. Complete with cord, plug and patented safety stand
No. 2661. Each..... 5.10

ELECTRIC TOASTERS

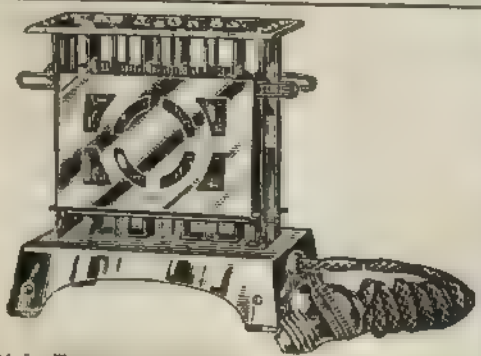
A Necessity in the Modern Home. Saves Time and Money

IMPROVED EASY TOAST MODEL



Easy Toast Electric Toaster Improved Model. Nickel plated highly polished, ebonized feet and handles, nichrome wire heating element. Stands 7¼ inches high and 7¼ inches wide at base, holds two large slices of bread, guaranteed one year. Complete with cord and attachments.

With Panel Design Doors		With Fancy Pierced Design Doors	
No. 52G4. Each	1.00	No. 52G3. Each	1.15
Per doz.	11.75	Per doz.	13.50



Electric Toaster Nickel Plated, highly polished fancy pierced spring doors. Heavy enameled nichrome heating element. Ebony feet. 6¾ inches high, and 6½ inches wide at base. Will toast two large slices of bread at same time. Guaranteed one year. Complete with cord and attachments.

No. 74G3. Each 1.85

TURN OVER MODEL

Electric Reversible Toaster Turnover Type, nickel plated, highly finished, ebonized handles and feet. Special constructed nichrome heating element which toasts evenly and quickly. Toasts two large slices of bread at same time. Height 7¾ inches and 7¾ inches wide at base. Guaranteed two years. Complete with six feet of cord and attachments.

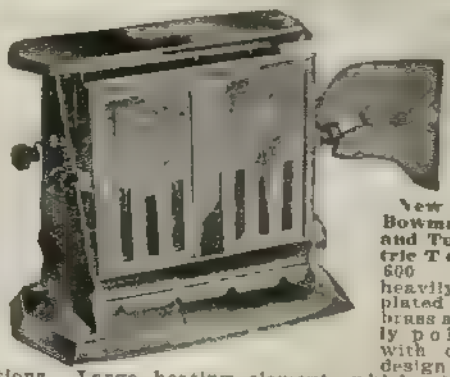
No. 62G2. Each 2.50

TURN-EASY MODEL

Thermax Electric Toaster. Turn easy type (made by makers of "Universal" goods). Built for years of daily service, heavily nickel plated, pierced design fiber feet and knobs. Has a bread rack drop that never fails which reverses the bread by tipping the doors all the way open. Equipped with modern mica heating element that distributes heat uniformly, thus toasting bread evenly and quickly. Toasts two large slices of bread at once, fully guaranteed. Height 7 inches, width 7½ inches. Complete with cord and attachments.

No. 11G71. Each 3.92

TIP-AND-TURN MODEL



New Manning Bowman Tip and Turn Electric Toaster, 600 watts, heavily nickel plated on solid brass and highly polished, with chased design decorations. Large heating element, which gives uniform distribution of heat and toasts bread quickly and evenly. By tipping the doors open all the way, the bread automatically turns over, ready to toast the other side. Will toast two large slices of bread at the same time. Height 7½ inches, width at base 8½ inches. Guaranteed one year. Complete with cord and attachments.

No. 2G28. Each 5.30

REVERSIBLE MODEL

Universal Electric Reversible Toaster, heavily nickel plated and beautifully finished. Toasts two pieces of bread at same time. Complete with side handles and 6-foot cord and connecting plug.

No. 11G24. Each 5.85

THE TRADE MARK KNOWN UNIVERSAL IN EVERY HOME

UNIVERSAL
SILVER OVERLAID TABLE SERVICE

GUARANTEED FOR FIFTY YEARS OF SATISFACTORY SERVICE

FARMINGTON PATTERN

PLATINUM BUTLER FINISH

A GLORIOUS revelation of the simplicity of colonial design, imparts an incomparable beauty to the Farmington Pattern.

SPOONS

815	Tea	$7.95 Dz.
8103	Dessert	14.50 "
8104	Teaic	15.65 "
8105	Soup	14.50 "
8-7	Orange	10.15 "
816	Five O'clock Tea	7.20 "
812	Coffee	7.20 "
816	Bouillon	13.10 "
8101	Iced Tea	11.70 "
814	Baby	10.50 "
8461	Sugar	1.35 Ea.
8411	Salad Serving	3.70 "
8413	Berry	3.70 "

FORKS FLAT HANDLE

825	Dessert	$14.60 Dz.
826	Medium	15.65 "
823	Individual Salad	15.65 "
822	Cold Meat	10.50 "
827	Pastry	13.70 "
821	Oyster	10.15 "
824	Pickle	1.35 Ea.
820	Baby	10.50 Dz.
828	Ice Cream Fork	12.10 "
8402	Cold Meat	1.85 Ea.
8411	Salad Serving	3.30 "

KNIVES FLAT HANDLE

8481	Butter Knife	$ 1.45 Ea.
830	Butter Spreader	13.70 Dz.

LADLES

8400	Cream	$1.90 Ea.
8407	Gravy	2.70 "
8410	Oyster	5.35 "
8417	Medium Soup	7.15 "

MISCELLANEOUS

844	Jelly Server	$1.75 Ea.
8409	Tomato Server	2.35 "
842	Sugar Tong	2.10 "
8402	Butter Knife & Sugar Shell	2.75 Pr.
8142	Baby Fork and Spoon	1.75 "
8253	Child's K., Fk. and Spoon	3.70 Set
84112	Salad Serving Fork and Sp.	6.60 "

KNIVES HOLLOW HANDLE

Rostaim Steel blades

838	Medium Straight	$28.70 Dz.
8361	Medium Cimeter	29.20 "
8313	Medium French	29.20 "
8312	Medium French Lustre Fin.	31.30 "
836	Dessert Straight	26.10 "
8361	Dessert Cimeter	26.10 "
833	Fruit	25.00 "
834	Orange	25.00 "
835	Child's Knife	25.00 "
8369	Ore Arm Man's Knife	4.00 Ea.

KNIVES MODELED HANDLES, S. P.

8802	Medium Straight	$14.60 Dz.
83021	Medium Cimeter	14.60 "
8301	Dessert Straight	14.10 "
832	Fruit	11.80 "

KNIFE AND FORK SETS

Hollow Handle Rostaim Steel Knives with Flat Forks

8387	Medium Straight	$22.18 Set
83871	Medium Cimeter	22.48 "
83127	Medium French	22.48 "
83127	Medium French Lustre	23.48 "
8387	Dessert Straight	20.35 "
83871	Dessert Cimeter	20.35 "

KNIFE AND FORK SETS

Modeled Handle Knives S. P. with Flat Forks

88027	Medium Straight Knives	$15.13 Set
830271	Medium Cimeter Knives	15.13 "
83017	Dessert Straight Knives	14.40 "

CARVERS, ETC.—HOLLOW HANDLE

850	Bird or Steak Carvers Resis.	$ 8.40 Pr.
		12.50 Set
851	Game Carvers, Rostaim	15.50 Pr
852	Beef Carvers, Rostaim	17.90 Set
8405	Pie, Cake or Ice Cream Serv., Silv.	4.80 Ea.
8408	Cheese Servers, Silv.	2.70 "
8419	Game Shears	12.50 "
831	Butter Spreaders, Silv.	17.10 Dz.

FARMINGTON PATTERN

PLATINUM BUTLER FINISH

A GLORIOUS revelation of the simplicity of colonial design, imparts an incomparable beauty to the Farmington Pattern.

SPOONS

837	Tea	$7.06 Dz.
8102	Dessert	14.60 "
8104	Table	16.65 "
8105	Soup	14.60 "
81	Orange	10.10 "
815	Five O'clock Tea	7.80 "
812	Coffee	7.50 "
816	Bouillon	13.10 "
8101	Iced Tea	13.70 "
8461	Sugar	1.80 Ea.
8415	Salad Serving	2.80 "
8413	Berry	2.80 "

FORKS—FLAT HANDLE

825	Dessert	$14.60 Dz.
826	Medium	15.65 "
823	Individual Salad	15.65 "
822	Child's	10.50 "
827	Pastry	13.70 "
821	Oyster	10.10 "
824	Pickle	1.50 Ea.
828	Ice Cream Fork	13.10 Dz.
8402	Cold Meat	1.85 Ea.
8411	Salad Serving	5.50 "

KNIVES FLAT HANDLE

8481	Butter Knife	$ 1.45 Ea.
880	Butter Spreader	13.70 Dz.

LADLES

8100	Cream	$1.90 Ea.
8407	Gravy	2.70 "
8417	Oyster	5.85 "
8417	Medium Soup	7.15 "

MISCELLANEOUS

844	Jelly Server	$1.75 Ea.
8409	Tomato Server	3.30 "
845	Sugar Tong	2.10 "
8482	Butter Knife & Sugar Shell	2.75 Pr.
84132	Salad Serving Fork and Sp.	6.60 "

KNIVES—HOLLOW HANDLE

Ivorine Stainless Steel Blades

838	Medium Straight	$23.70 Dz.
8821	Medium Cimeter	29.20 "
8318	Medium French	29.20 "
8313	Medium French Lustro Fin.	27.30 "
836	Dessert Straight	25.10 "
8361	Dessert Cimeter	26.10 "
839	Fruit	27.05 "
834	Orange	27.09 "
8309	One Arm Man's Knife	4.00 Ea.

KNIVES—MODELED HANDLE, S. P.

8302	Medium Straight	$14.60 Dz.
83021	Medium Cimeter	14.60 "
8291	Dessert Straight	14.10 "
823	Fruit	11.50 "

KNIFE AND FORK SETS

Hollow Handle Ivorine Stainless Steel Knives with Flat Forks

8857	Medium Straight	$22.13 Dz.
88371	Medium Cimeter	22.43 "
88137	Medium French	22.43 "
88137	Medium French Lustro	23.48 "
8857	Dessert Straight	20.55 "
88371	Dessert Cimeter	20.85 "

KNIFE AND FORK SETS

Modeled Handle Knives, S. P. with Flat Forks

83027	Medium Straight Knives	$15.13 Set
828771	Medium Cimeter Knives	15.13 "
8291	Dessert Straight Knives	14.60 "

CARVERS, ETC. HOLLOW HANDLE

850	Bird or Steak Car. Resis.Stain.	$8.40 Pr.
		12.50 Set
851	Game Carvers, Resis Stain	13.50 Pr.
852	Fowl Carvers, Resis Stain	17.90 Set
8405	Pie, Cake or Ice Cream Serv., Silv.	4.80 Ea.
8406	Cheese Servers, Silv.	2.70 "
8418	Game Shears	12.50 "
831	Butter Spreaders, Silv.	17.10 Dz.

NEWINGTON PATTERN

PLATINUM BUTLER FINISH

MEETS every requirement of service at a popular price. Has a soha nickel silver base, overlaid with pure silver. Parts exposed to hardest wear are given an extra plate of silver, thus assuring long years of service.

SPOONS

Butter		
2419	Tea	$ 4.40 Dz.
24102	Dessert	8.35 "
24104	Table	8.80 "
24105	Soup	8.35 "
2417	Orange	7.50 "
2415	Five O'clock Tea	4.40 "
2412	Coffee	4.40 "
2416	Bouillon	5.30 "
24101	Iced Tea	8.15 "
2414	Baby	.65 Ea.
24461	Sugar	1.00 "
24413	Salad Serving	2.75 "
24403	Berry	2.25 "

FORKS, FLAT HANDLE

2425	Dessert	$ 8.15 Dz.
2423	Medium	8.80 "
2429	Individual Salad	10.00 "
2432	Child's	.60 Ea.
2427	Pastry	11.30 Dz.
242	Oyster	8.15 "
2424	Pickle	1.00 Ea.
2430	Baby	.65 "
24402	Cold Meat	1.25 "
24411	Salad Serving	2.25 "

KNIVES—FLAT HANDLE

24431	Butter Knife	$ 1.00 Ea.
2439	Butter Spreader	10.00 Dz.

LADLES

24450	Cream	$ 1.85 Ea.
24457	Gravy	1.50 "
24417	Medium Soup	3.80 "

MISCELLANEOUS

2444	Jelly Server	$ 1.25 Ea.
2445	Sugar Tongs	1.25 "
24462	Butter Knife and Sugar Shell	2.00 Pr.
24442	Baby Fork and Spoon	1.25 "
24458	Child's Knife, Fork and Spoon	2.50 Set
24412	Salad Serving Fork and Spoon	4.50 Pr.
24406	Tomato Server	2.25 Ea.

KNIVES—HOLLOW HANDLE

Rexsatin Stainless Steel Blades

Butter		
2436	Medium Straight	$27.00 Dz.
2426	Dessert Straight	24.80 "
2433	Fruit	20.00 "
24413	Medium French	28.00 "

KNIVES—SOLID HANDLE, S. P.

24302	Medium Straight	$ 9.70 Dz.
24501	Dessert Straight	8.80 "

KNIFE AND FORK SETS

Hollow Handle Rexsatin Stainless Steel Knives with Flat Forks

24387	Medium Straight	$16.90 Set
24387	Dessert Straight	16.00 "
2439187	Medium French	18.15 "

KNIFE AND FORK SETS

Solid Handle Knives, S. P. with Flat Forks

2439237	Medium Straight	9.35 Set
2439017	Dessert Straight	8.50 "

26 PIECE SETS

2426302D	In Display Box	$18.75 Set
2426302K	In 72½ Imitation Mahogany Chest	21.00 "

Contents of above: 6 Medium Straight Solid Handle Knives, 6 Medium Forks, 6 Tea Spoons, 6 Table Spoons, 1 Sugar Shell, 1 Butter Knife.

CARVERS, ETC

Hollow Handles

2450	Bird or Steak Carvers, Rods Stain.	$ 7.50 Pr.
2451	Game Carvers, Reess Stain.	9.40 Pr.
2463	Beef Carvers, Reess Stain	16.20 Set
24405	Pie, Cake or Ice Cream Server, Silvadium	3.30 Ea.
24406	Cheese server, Silvadium	2.75 "
24419	Game Shears	7.40 "

Nationally Advertised

UNIVERSAL

Powerful Suction

Super-Vac Electric Cleaner

"UNIVERSAL" FEATURES

Thread-Picking Nozzle—12½ in., self-cleaning, will not seal to rug or drag, thumb screw adjustment. Special locking collar.

Durable Rubber Bumper—Attached like a baby carriage tire, prevents damage to furniture. Composition casters, will not injure polished floors.

Powerful Motor—Universal, the very best that money and skill can build

Self-Cleaning Fan—Broad blade produces strongest suction ever built into a vacuum cleaner.

Beautiful Bag — Mercerized sunfast sateen. Inner sleeve prevents dirt falling back into machine or on floor when emptying. Positive clamp, special locking collar.

Comfortable Handle—Pistol grip, finger control switch, hinged at base, self-locking latch, released by foot. No exposed wires from motor to handle, wear-proof electric contact

Free Selling Helps!

1. Demonstration material
2. Special demonstration handle
3. Demonstration rug with order for 6 cleaners
4. $2.00 demonstration allowance
5. Sales Manual for your salesmen
6. Salesmen's folders
7. Illustrative letter
8. Eight page circular in colors.
9. Newspaper electros.

The above furnished free on request

Approved by Good Housekeeping Institute, Modern Priscilla and the National Board of Fire Underwriters.

FREE ATTACHMENT SET

Every attachment that is necessary for cellar-to-attic cleaning. "Universal" stronger suction gives a new meaning to vacuum cleaner attachments

Set is composed of following attachments:

1. 8 ft. Web Covered Hose.
2. 30 in. Extension Tube.
3. 7 in. Drapery Nozzle.
4. Hollow Clothing Brush
5. Radiator Tool
6. Connector Tool

Fancy colored cretonne apron with pockets for holding attachments included

1H6657—(Mfrs 7201) For 110 volts alternating or direct current Cleaner complete with 25 ft. flexible cord, plug and full set of attachments in wood case, 32½ lbs.

12 or more, EACH	3 or more, EACH	SINGLY
$32.50	$33.75	$35.00

Suggested Retail Price $49.50

Free Rug

If you send us an order for 6 Universal Vacuum Cleaners we will send you FREE a 9x12 Rug on a Guarantee Basis for demonstration purposes.

$2.00 Allowance

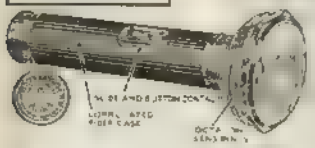
A $2.00 demonstration allowance will be given to every merchant who agrees to use and demonstrate one Universal Vacuum Cleaner for 4 months and actively solicit household users for a home demonstration. If you want to take advantage of this offer ask for $2.00 Demonstration Agreement on your order

NEW!

"LIGHTHOUSE FLASH" FLASHLIGHTS

Remarkably Low Prices

First quality, high grade up-to-date flashlights, at below market prices. Made exclusively for us, under our own brand.



We offer these flashlights at a small profit in an effort to induce our customers to put in this line. An initial order will convince you that it should be a part of your regular stock. If you do not carry flashlights now, try out the "Lighthouse" Flash and be guided by the results.

Corrugated fiber cases, metal parts nickel plated and polished, slide and button contacts permit sturdy cell flash light shocks, rubber to protect bulb, octagon lens rings. **Each with bulb only.** (Unless otherwise stated)

Baby Regular—2 cell 5½x1¼
1H7197 1 in box ..... Each 35c
1H7554 Battery for above, 30 in carton ..... Each 8½c

Regular cell, 6¾x1⅝
1H7201 1 in box ..... Each 50c
1H7582 Battery for above, 30 in carton ..... Each 8½c

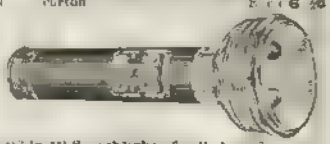
Baby Miner—2 cell 6x1¾
1H 198 1 in box ..... Each 45c
1H 583 Battery for above, 30 in carton ..... Each 6½c

Regular Miner
1H 202 ..... Each 65c
1H 201 ..... Each 75c
1H 582 Battery for above, 30 in carton ..... Each 6½c

Focusing Spotlight Adjustable focusing lens and removable candle light by removing bend. 1 in box.
1H 205 2 cell 7¾x2 ..... Each 85c
1H 206 ..... Each $1.00
1H 582 Battery for above, 30 in carton ..... Each 8½c

Focusing Miner Large miner cell, nickel head, adjustable focusing lens, can be used as candle light by removing bend. 1 in box.
1H 202 2 cell 7¾x2¼ ..... Each $1.10
1H 203 ..... 1.25
1H 582 Battery for above, 30 in carton ..... Each 8½c

Focusing Searchlight 3 cell, 9¾x2¼, extra powerful searchlight with metal reflector, focusing lens, can be used as candle light by removing bend.
1H 209 1 in box ..... Each $1.60
1H7582 Battery for above, 30 in carton ..... Each 8½c



"3 in 1" Searchlight 3 cell 9¾x2¼ extra size searchlight with metal reflector, focusing lens, can be used as candle light by removing bend, can be used as a signalling light, operate independently or in unison or all at once. **A popular signalling light.**
1H7213—1 in box ..... Each $1.95
1H7582 Battery for above, 30 in carton ..... Each 8½c

"YALE" FLASHLIGHTS

Cases Fiber cases are moisture proof corrugated fiber, with [illegible] nickel, [illegible] the [illegible] extra heavy finest quality brass [illegible] plated and highly polished. **Head:** Highest quality [illegible] lens between rings prevents rolling. Removing head makes a candle light. **Contact strips:** Protected against damage or corrosion. **Switch:** 3 way contact with locking device. **Each with bulb only.**

Regular—3 cell 6¾x1¾. 1 in box
1H7675—(Mfrs 2101 Fiber case ..... Each 62c
1H7581 Battery for above, 30 in carton ..... Each 9½c

Spotlight Fiber case, adjustable focusing lens. 1 in box
1H7684 (Mfrs 2201 [illegible] cell ..... Each 78c
1H7685 Mfrs 2201 [illegible] cell ..... Each $1.65
1H7581 Battery for above, 30 in carton ..... Each 9½c

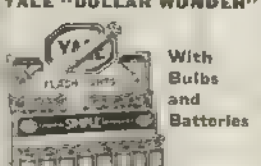
Baby Miner—3 cell 6x1¾ 1 in box
1H7677—(Mfrs 2005) Fiber case, Each 78c
1H7678—(Mfrs 2004) Nickeled case, Each 94c
1H7580—Battery for above, 30 in carton ..... Each 9½c

"3-In-One" Searchlight—3 cell 6¾x3¼, white, green and red lights operating independently or all at once. 1 in box
1H7747—(Mfrs 31 Fiber case, Each $2.48
1H7581 Battery for above, 30 in carton ..... Each 9½c

Miner 2 cell, 6¾x2¼ 1 in box
1H7679—(Mfrs [illegible] Fiber case, Each 78c
1H7581 Battery for above, 30 in carton ..... Each 9½c

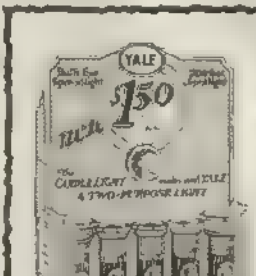
Searchlight cell, 9¾ x 3¼, adjustable focusing lens, throws light [illegible] ft. 1 in box.
1H7585—(Mfrs [illegible] Each $2.14
1H7581 Battery for above, 30 in carton ..... Each 9½c

YALE "DOLLAR WONDER"



With Bulbs and Batteries

1H7710—(Mfrs [illegible] 2 cell [illegible] 6¾x1¾ [illegible] head, [illegible] bottom sites a [illegible] light glass [illegible] Reflector with bulbs and batteries ..... Each 65c
[illegible] 12" over-all. Packed in [illegible]
1H7581 Battery for above, 30 in carton ..... Each 9½c



Yale's Newest And Finest Asst. With Bulbs and Batteries

Two wonderful sellers a Focusing Spotlight and a Big Eye Miner Spreadlight. Can be retailed complete for $1.50 each. Never before have such values been offered. National advertising will speed sales.

1H7210—Mfrs [illegible] 10 assorted [illegible] plated trim, [illegible] finish, [illegible] focusing [illegible] plated [illegible] Spreadlight [illegible] Yale Quality [illegible] Complete with bulbs and batteries. Your cost [illegible] Retail [illegible]

Quan.	Mfrs.	Item	Each Price	Each Cost
6	2501	Spotlight	$ [illegible]	$ [illegible]
1	2101	Spreadlight	1.50	0.00
3	Duplex	102 Mono-cells	.15	1.50
		Total	$10.50	$1.58

Assrtd. 10 flashlights in colored display rack with bulbs and 10 batteries. ASST. 10 flashlights. Your cost $8.58—Big profit $10.50—Your profit $1.92—about 56% on cost. **$10.58**

NEW YALE "HANDY-LITE"—Leaves Both Hands Free

New collapsible stand permits use of light in any position. Can be placed on table, chair, floor, roadside or hanged on a nail, peg or hook, and the light directed at any object to be illuminated.

1H7321 Mfrs [illegible] Handy-Lite [illegible] nickel plated [illegible] complete with [illegible] ready to stand. Packed in [illegible] box ..... Each **78c**

A window display free with every order for 5 lights.

VEST POCKET FLASHLIGHTS

New and Attractive Finishes

You can sell these lights cause it has big 25c features. There is nothing to equal them for the price. Try a dozen and be convinced.

STAR VALUE

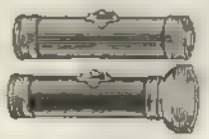
1H7213—Case only 2x1¼ inches, [illegible] assorted [illegible] nickel plated [illegible] Each [illegible] Asstd. 1 doz. in box. Doz **$1.08**

1H7587—Battery for above, 10 in carton ..... Each 8½c

1H7585—Mfrs [illegible] Bulb for above [illegible] cell ..... Each 6c

IMPORTED FLASHLIGHTS

Colored Cases



1H7204 3 styles, ½ doz. each 2 cell baby, 2 cell regular and 3 cell miner assrtd. purple, red, blue and green ribbed fiber cases, nickel parts, nickel plated, without bulbs and batteries. Asstd. 1 doz. in box. Doz **$3.26**

Bulbs for Above—10 in box.

Volts	For	Each
1H7638—2.3	Baby	8c
1H7640—3.4	Reg. or Miner	8c

Batteries for Above—30 in carton

1H7583	Baby	Each 6½c
1H7582	Reg. or Miner	Each 6½c

FLASHLIGHT BATTERIES

"Orion" Mono-Cells—
1H7583 Fits all baby size, flashlights. 30 in carton ..... Each **6½c**

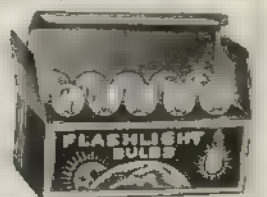
1H7582 Fits all regular size flashlights and searchlights. 30 in carton ..... Each **6½c**

"Yale" Mono-Cells—
1H7580—Mfrs 101 Fits all baby size flashlights. 30 in carton ..... Each **9½c**

1H7581 Mfrs 102 Fits all regular size flashlights, spotlights and searchlights. 30 in carton ..... Each **9½c**

"MAZDA" FLASHLIGHT BULBS

Bulbs are [illegible] and [illegible] Mazda [illegible] Mazda [illegible] with coil filament and within the time period [illegible]



1H7638—(Mfrs 11) 2.3 volts, fits 1H7197, 1H7198, 1H7677, 1H7678, [illegible] box ..... Each 8c

1H7640—Mfrs [illegible] 1H7201, 1H7205, 1H7206, 1H7579, 1H7581, [illegible] in box ..... Each 8c

1H7644—Mfrs 37 [illegible] 1H7204, 1H7582, 1H7677 in box ..... Each 9c

1H7648—(Mfrs 18) 3.6 volts, [illegible] 1H7202, 1H7203, 1H7205, 1H7206, 1H7581, 1H7582 in box ..... Each 10c

1H7229—Mfrs 34 [illegible] 1H7582 in box ..... Each 10½c

1H7652—Mfrs 1 [illegible] 1H7584 [illegible] Each 11c

"DELTA" HAND LAMP

1H7630—9¼x6½, red enamel finish steel, nickel bezel, deep reflector with small curved lens to diffuse light, [illegible] Each [illegible] Doz. **$1.85**

1H460—Bulb for above ..... Each 9c

OUR TERMS 2% 10 DAYS — 1% 30 DAYS — NET 60 DAYS

ATHLETIC SUPPORTS

In Small, Medium and Large Sizes

No. C5—Bike Jockey Strap. 3 in. leg and waist bands of best grade elastic. Double sewed seams, preventing ripping. No starch or other sizing used. One continuous length of bandage for the entire supporter; this makes the rubber in the bandage one piece and prevents the seams from pulling out. It also means a more smooth and comfortable supporter,
per dozen $8.35

ONE IN A PASTEBOARD BOX

SUSPENSORIES

No. C320—Army and navy, lisle sack, elastic band, three sizes, large, medium and small, w't per doz. 2 lbs., per dozen $8.75

ONE IN A PASTEBOARD BOX

WRIST SUPPORTS

No. C100—Asst. colors, leather, single strap and buckle, w't per doz. ⅓ lbs.....per dozen $3.20

No. C102—Asst. colors, leather, double strap and buckle, w't per doz. 1 lb. .....per dozen $5.00

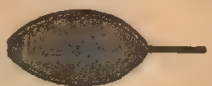
PACKED LOOSE

VOLLEY BALLS

No. C6V—English twelve-piece pattern. Selected pearl calf skin with canvas lining. Official in size, shape and weight. Pure gray gum bladder. Leather lace and lacing needle .....each *$7.00*

No. C3V—English twelve-piece pattern. A durable ball made of pearl chrome "Suede-Tex" cowhide with canvas lining. Gray gum bladder. Leather lace and lacing needle, each *$4.00*

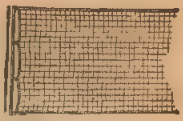
VOLLEY BALL BLADDERS



No. C5VB—Guaranteed pure para rubber, w't per doz. 3 lbs., per dozen $18.45

ONE DOZEN IN A BOX

VOLLEY BALL NETS



No. C27VN—27 ft. long, 3 ft. wide, without standards, w't each 1 lb., per dozen $31.35

ONE IN A BOX

MEDICINE BALLS

No. F9—W't 9 lbs., smooth grain calf skin cover★ .....each *$15.00*

No. F6—W't 6 lbs., smooth grain calf skin cover★ .....each *$12.00*

No. F4—W't 4 lbs., smooth grain calf skin cover★ .....each *$8.00*

ONE IN A BOX

H.S.B.&CO.
OUR VERY BEST

Our Very Best Is The Very Best

VERY POPULAR JUST NOW

J2740. 14K solid white gold, genuine cornelian set cameo, pierced and engraved mounting. With safety catch.
Each $18.00

J2741. 14K solid white gold, genuine cornelian set cameo fine pierced and engraved mounting.
Each $21.00

J2742. Solid white gold, 14K, white or 14, fine genuine cornelian set cameo, pierced and engraved mounting, with safety catch.
Each $26.00

J2743. 14K solid white gold, genuine cornelian cameo, fine pierced engraved mounting.
Each $22.00

J2744. 14K white gold, fine genuine cornelian cameo, heavy pierced and engraved mounting with safety catch
Each $30.00

J2745. Platinum or 14K white gold, genuine Montana blue sapphire set. Fine pierced and engraved with safety catch.
Each $20.00

J2746. 14K white gold, genuine diamond and imitation blue sapphire set, pierced and engraved with safety catch.
Each $20 00

J2747. Solid white gold, genuine cornelian cameo, engraved border with safety catch.
Each $12 50

J2748. 14K white gold genuine diamond chip set pierced and engraved, mounting with safety catch
Each $16.80

J2749. Platinum on 14K white gold, fine pierced and engraved with safety catch
Each $11 25

J2750. Retain 10K solid white gold, blue sapphire set, beautifully pierced and engraved.
Each $8 00

J2751. 18K white gold on 14K imitation blue sapphire set, fine pierced and engraved with safety catch
Each $14 00

J2752. 18K white gold on 14K imitation blue sapphire set, fine pierced and engraved. With safety catch
Each $11.00

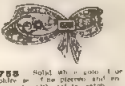
J2753. 10K solid white gold, blue sapphire set, fine pierced and engraved, very pretty, with safety catch
Each $8 00

J2754. 14K white on solid gold, blue sapphire set, fine pierced and engraved, with safety catch.
Each $8 00

J2755. 14K white on solid gold fine imitation blue sapphire set, pierced and engraved with safety catch
Each $8 00

J2756. 18K white gold on 14K fine blue imitation sapphire engraved, with safety catch
Each $7 00

J2757. 14K white on solid gold fine pierced and engraved heavy sapphire set with safety catch
Each $8.50



J2758. Solid white gold fine sapphire set, fine pierced and engraved with safety catch
Each $8 00

J2759. Gold filled, yellow gold, set with genuine Bohemian Garnets
Each $7 25

J2760. Gold filled, yellow gold, set with genuine Bohemian Garnets.
Each $13.00

J2761. [illegible] beautiful [illegible] rose [illegible] [illegible] [illegible] [illegible] [illegible]
Each $5 00

J2762. Sterling silver, beautifully enameled, hand painted rose design on silver background. Light green enamel border
Each $2.50

J2764. Sterling silver, set enamel, hand painted rose design on straw colored background. Black enamel border
Each $2.00

J2765. [illegible] white gold [illegible] [illegible] [illegible] and sapphire [illegible] set with safety catch
Each $6 50

J2766. [illegible] white metal [illegible] [illegible] [illegible] sapphire and white stone set with safety catch
Each $4.80

J2767. [illegible] white metal, finely [illegible] sapphire blue with stones [illegible] sapphire set white [illegible] rose [illegible] [illegible] [illegible]
Each $4 50

J2768. Sterling silver very fine [illegible] set with finely [illegible] in [illegible] white [illegible]
Each $3 50

J2769. Nontarnishable white metal, pierced finely matched sapphire and white stone set, with safety catch
Each $4 20

J2770. Nontarnishable white metal finely matched white stones [illegible] set [illegible] [illegible] [illegible] [illegible]

JOBBERS—

You are neglecting a big money-making opportunity if you fail to examine our proposition on

DOLLS

ALL TYPES ALL STYLES

at

THE RIGHT PRICE

METROPOLITAN DOLL CO.

472 BROOME STREET NEW YORK CITY

THIRTY SEVEN of the THIRTY NINE Largest Department Stores in U. S. A. Feature Ullman's Paints and Crayons

There's a reason!

Send for catalogs and samples

THE ULLMAN MANUFACTURING CO.

Salesroom: 200 Fifth Ave., N. Y. C.

World's Largest Makers of Color Sets

Blue Streak Vehicles Will Make This Your Biggest Year

BLUE STREAK

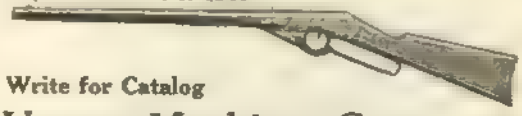
Scooters
Tot Bikes
Hand Cars
Toy Barrows
Cycle Velocipedes
Doll Carriages
Juvenile Autos
Velocipedes
Coaster Wagons (Steel or Wood)
Express Wagons
Toy Auto Trucks

THE TOLEDO METAL WHEEL CO., Toledo, Ohio

Upton Air Rifles

Sturdily made. Wonderful in appearance and action. Walnut stock. The No. "Forty" full size lever action Air Rifle, holding 1,000 shot. Retails at $2.00.

Other models in single shot and cork shot, ranging in price from 25c to $2.00



Write for Catalog

Upton Machine Company

ST. JOSEPH, MICHIGAN

BOTH ARE SURE PROFIT MAKERS.

TOYCO Sponge Rubber Come Back Balls

A durable, punctures-proof ball with wonderful bounding qualities. Good Luck Swastika design. Packed 24 to the box.

TOYCO Tip-Top Penny Squawkers (Sausage Shape)

Big value retailing at one cent. Wide range of fast colors. Packed in standard cartons of 20 and 50 gross.

Descriptive Circular, Prices or Samples on Request

DEPARTMENT P:

THE TOYCRAFT RUBBER CO.

ASHLAND, OHIO

SUPREMACY

ONE toy dealer in practically every town will take advantage of the extra sales and profits the Waas line of Fancy Costumes give. Will this dealer be you?

Liberal Dealer Commissions and a quick selling line.

Send for New Illustrated Catalogue and Special Dealer Price List Today

WAAS & SON

Costumers to the Nation

123 SOUTH 11TH STREET, PHILADELPHIA, PA.

"GOLD MEDAL" TOYS

Embroidery and Sewing Sets
To Retail at 25c Up

Kitchen Kabinets
Full of Aluminum Dishes
To Retail at 50c, $1.00, $1.50, $2.00 and up

White, Red and Green Tissue Paper and Holly Paper in Packages.

Coloring Outfits
To Retail 25c to $5.00

Garden Sets
10c to $1.00

"Gilt Edge" Nested Holiday Boxes

GIFT BOXES

White Embossed Boxes

SEND FOR SAMPLES

TRANSOGRAM CO., INC.

Factory: Bush Terminal, Brooklyn, N. Y.

NEW YORK OFFICE: 215 FOURTH AVENUE

ZULU QUALITY GAMES

ARE 1927's LEADING GAME NUMBERS

HAVE YOU SEEN THESE:

No. 11—ZULU BLOWING GAME, De Luxe
No 170—ANIMAL HUNTING GAME
No 205—THE COVERED WAGON
No. 220—TIDDLEDY WINKS CROQUET
No. 540—ZULU SLIP-OVER

?

AND THESE ARE ONLY A FEW OF OUR WONDERFUL NEW LINE

Every progressive Toy Department in the country will have the ZULU line this season, so,

WRITE FOR YOUR SAMPLE OR CATALOG AT ONCE

ZULU TOY MANUFACTURING CO., INC.

56-66 Barney Avenue

Battle Creek Michigan

SEE! BUY! SELL!
The One Year Old
BABY GLORIA
Imported Unbreakable Composition
Four Sizes—Glass Moving Eyes
Hand Embroidered Imported Dresses
Also Domestic Dresses
R. B. & L. MANUFACTURING CO.
39-47 West 19th Street New York City

"SAYCO"
DURABLE COMPOSITION
DOLLS
ALSO SOFT DOLLS & TOYS
SCHOEN & YONDORF COMPANY, Inc.
207 WOOSTER ST. NEW YORK

REALISTIC
The BASEBALL GAME
PROFESSIONAL PLAYERS BUY for THEIR BOYS
The ball is pitched, hit, caught, and thrown from player to player, duplicating every play made in Big League Games. The players are of spring metal, beautifully lithographed in colors.
Every Baseball Lover a Prospective Buyer—No Toy or Game Department Complete Without It
REALISTIC GAME & TOY CORP.
(TIMES BUILDING)
BROADWAY AND 42nd STREET, NEW YORK CITY

"PAK-IT-RITE"
NESTED
HOLLY BOXES
Jobbers assortment in all sizes, also
SERVICE PACKAGE
Retails at 10c and 25c
Contains everything necessary for wrapping Christmas Parcels
Specialty Paper Box Co.
41-63 Porter Avenue BROOKLYN, N. Y.

"CATCH BALL"

The Ideal
25c Retail Line
Send for Sample and Price List
Catch of the Season
All Year Round Game
Reliance Mfg. Co.
Wilkinsburg, Pa.

TRADE Steinfeld MARK
11-13 East 26th Street
New York

TOYS
House Furnishings
Infants' Furniture
Lawn Goods
Hardware
Specialties
STEINFELD, Inc.

SAALFIELD
BOOKS
For Children
373 Fourth Ave. AKRON
New York, N. Y. OHIO

COW BOY GUN
IT IS NEW! IT IS SAFE!
SELLS FOR $1.00
SHOOTS A SPONGE RUBBER BALL
Every boy wants a gun. Sell one that is SAFE. A gun that will be the admiration of every boy. COW BOY GUN is a year 'round seller. Can be used indoors or outdoors.
You can buy COW BOY GUNS through your wholesaler in any quantity
Display them. They will sell. Explain to parents why the COW BOY GUN is a SAFE gun for a boy to own.
TIDDYWOODS TOY COMPANY
INDIANAPOLIS, IND.

BARGAINS in SMALL LOTS

"UPTON" REPEATING AIR RIFLES

1F2824—(Mfrs 50) 32½ in. long, lever action, 500 shot repeater, blued finish steel parts, walnut stock. ⅓ doz. in box.
Was Doz $14.00 — Now Doz $12.00

1F2829—38¾ in. long, lever action, 1,000 shot repeater, blued finish steel parts, walnut stock. ⅓ doz. in box.
Was Doz $16.00 — Now Doz $15.00

"LEAPING DOG" PERFORMING TOY

1F20 [illegible] "Leaping Dog" [illegible] 6½ [illegible] cover [illegible] 1 part [illegible] light [illegible] [illegible] [illegible]

Loud Speakers and Head Sets

Utah Cone Speaker

The famous Utah unit is now available in a Cone type Speaker, which has free edge, stands 15 in. high, including base, and is 13 in. wide. The excellent tone qualities are unsurpassed and the speaker will handle any power output without distortion. Each in box.

No. 1R54. Each. 6.00

Utah Superflex Speaker

The Utah Superflex Speaker is noted for its remarkable clear reproduction. It will bring out high and low notes equally well and is capable of handling any volume. Stands 8½ in. high and 6 in. wide. Each in box.

No. 1R55. Each..... 6.00

Thorola Junior 12. It is extremely sensitive to faint signals, and the unique method of control is responsible for the Junior Model's excellent tone quality, making it ideal for small apartments. Each in box.

No. 1R51. Each..... 9.00

Thorola 4 Speaker. The standard of loud speaker reproduction. Controlled Mica diaphragm and powerful magnet build the faintest radio impulse into giant sound with all the true tone qualities of the broadcasting station itself. Each in box.

No. 1R33. Each..... 15.00

The Thorola Cone is a beautiful work of art, harmonizing with any furnishings. Finished in rich walnut and old gold. Powerful two-coil vibrating reed unit. Correctly adjusted at factory. Perfect reproduction. Size 14½ in. wide, 17¼ inches high, including stand. Each in box.

No. 1R52. Each..... 12.00

LittleTattler Head Set

The features of these phones are their light weight. The double head set weighs only ten ounces. Receiver case is aluminum. Ear caps are rubber. One-piece magnet of extra size. Each in box.

No. 1R15.
Per dozen sets.. 15.00
Per set 1.35

FROST FONES

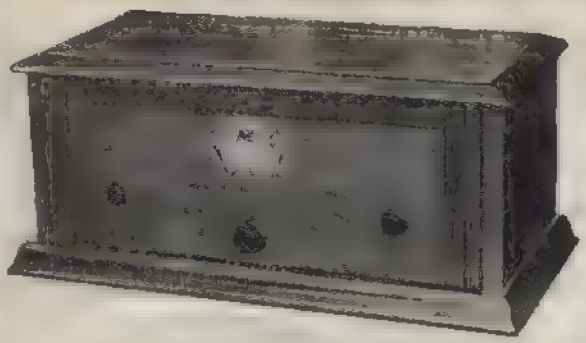
Frost Fones hold their dominant position in the radio world because they are made right and sold at the right price. For those who wish the economies made possible by the aluminum shell type of construction, having highly polished drawn shells and composition caps. Each in box.

No. 1R18. 2,000-ohm headset.
Per set..... 1.85

No. 1R19. 3,000-ohm headset.
Per set..... 2.25

Naxon Radio Receiver

Six Tube, Illuminated, One Dial Control



This set employs a standard tuned radio-frequency circuit, with two stages of radio-frequency, one stage of detection and three stages of audio-frequency. The wiring is practically all concealed. Because of the patented toroidal coils, the set is capable of getting great distance and the selectivity is especially good for a single dial controlled receiver.

Represents the latest development in radio design. The front panel is made of metal, finished in natural wood grain.

Combination switch turns on and off batteries and illuminates dial as well. This feature is usually found only on the more expensive sets.

Set comes in beautiful cabinet, with dull luster walnut finish. Each in carton.

No. 1R84. each..... $39.50

Accessories Needed to Complete this Receiver

6 Cunningham tubes
1 Stewart 100-amp. storage "A" battery
2 Ray-O-Vac 45-volt "B" batteries
1 Ray-O-Vac 4½-volt "C" battery
1 Utah Cone Speaker
1 Complete aerial and ground outfit

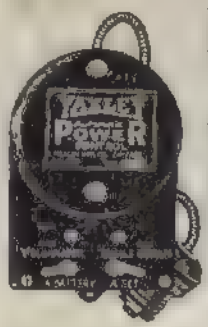
No. 1R85. Accessories complete as above..... 30.65

6 Cunningham tubes
1 Stewart "A" power unit
1 Balkite "B" eliminator, Model W
1 Ray-O-Vac 4½-volt "C" battery
1 Utah Cone Speaker
1 Complete aerial and ground outfit

No. 1R86. Accessories complete as above..... 53.75

6 Cunningham tubes
1 Balkite combination power unit, Model K. X
1 Stewart 6-volt 35-amp. storage battery
1 Ray-O-Vac 4½-volt "C" battery
1 Utah Cone Speaker
1 Complete aerial and ground outfit

No. 1R87. Accessories complete as above..... 59.40



Yaxley Automatic Power Control

For sets using a trickle charger and B-eliminator or either. The power control automatically cuts out the trickle charger, cutting in the 'A' battery and "B" eliminator when the switch or filament control of your set is turned on. When your set is turned off the power control automatically cuts out the B-eliminator and A battery, cutting in the trickle charger again. Each in box

No. 3R31. Each..... 3.00

Pocket Voltmeters and Ammeters

Leader pocket voltmeter. 0-50-volt scale. Nickel finish.

No. 4R24. Each..... .60

Sterling pocket voltmeter. 0-50 volt scale. Nickel finish. A dependable instrument.

No. 4R25. Each..... 1.45

Sterling pocket ammeter. 0-35 ampere scale. Nickel finish.

No. 4R23. Each..... .85

COMPLETE ANTENNA OUTFIT

Complete antenna and ground outfit. Includes all materials necessary. Antenna wire, insulated lead in and ground wire, insulated intermediate tying wire, high duty insulators, screw eyes, porcelain knobs and screws, 1 ground clamp, 12 insulated staple porcelain bushing, lightning arrester. Each set in carton with complete instruction.

No. 4R10. Each, complete 1.75

FROST EXTENSION CORD

Frost Radio Extension Cord is a convenient means of connecting receiving set and loud speaker. Set may be in one room, loud speaker in another, without unsightly wires along ceiling or floor. Each in box

No. 4R30. 20-ft. length. Each 1.45
No. 4R31. 30-ft. length. Each 1.80

STORAGE BATTERY TESTER

Break-a-Not storage battery tester. Indicates the exact condition of battery. Each in screw top, metal end cardboard tube.

No. 15C192.

Each..... .85

UTAH LOUD SPEAKERS

A Speaker for Every Purpose

CONE

A Very Attractive Cone Type Speaker. Made of Excellent Grade of Parchment, Gilt Band Around Circumference Free Edge. 15½ Inches Wide, 17½ Inches High

Intended Retail Price

No. F $10 00

UTAH JR. CONE LOUD SPEAKER

A Well Constructed Speaker of Small Size Made of Parchment Beautifully Designed. Reproducing the Low Notes of All Instruments Beyond All Expectation. Free Edge Cone Disc Measures 14 Inches

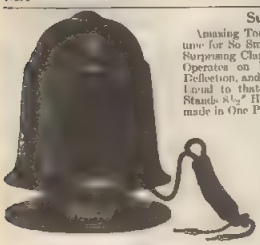
Each

No. Utah, Jr.—Intended Retail Price $10.00

Weight 7 lbs.

One in a carton

Superflex



Amazing Tonal Qualities and Volume for So Small a Speaker, Giving Surprising Clarity on Weak Signals. Operates on Proved Principles of Deflection, and has a Tonal Chamber Equal to that of the Usual Horn. Stands 8½" High and 6" Wide, and made in One Piece

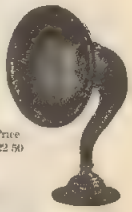
Practically Unbreakable. Made of Semi-Hard Rubber — Finished in Gold and Brown

Intended Retail Price

No. A $10 00

Standard

This Speaker is Designed Especially for Great Volume and Clarity. Because of the Carefully Shaped Throat and Flaring Bell it Will Handle Heavy or Light Volume without Distortion. Practically Unbreakable. Made of Semi Hard Rubber—Finished in Gold and Brown. Size of Bell 14"



Intended Retail Price

No. BS.. $22 50

Junior

Made similar to the Standard Speaker, Size of Bell 11".

Intended Retail Price

No. BJ . $12 50

Phono Speakers

Your Phonograph May Be Used to Give the Same Beautiful Undistorted Musical Quality of Reception that the UTAH LOUD SPEAKER Gives. The Utah Phonograph Unit is Finished in Gold and Brown, Made of Semi-Hard Rubber—Practically Unbreakable. It Stands on a Broad Base which Rests on the Turn Table of the Phonograph, or can be Had without the Stand.

Intended Retail Price

No. D—(With Stand) $10 00
No. D—(Without Stand) 9 50

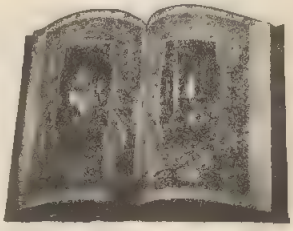
Supreme

Sweetness of Tone— Clarity Unsurpassed—Voice or Instrument Alike The High Pitched Violin or the Low Notes of the Organ are Surprisingly Natural in Reproduction Practically Unbreakable. Made of Semi-Hard Rubber—Finished in Gold and Brown and very Pleasing to Both Eye and Ear. Measures 11⅛" Wide, 8" High and 7⅛" Deep

Intended Retail Price.

No. C $25.00

BOOKTYPE



Very Rich and Artistic in Appearance, Resembling a Beautiful Open Book, Finished in Gold and Brown Morocco Leatherette. Can be Held in Upright Position by an Easel Furnished with the Speaker, or Hung on a Wall as a Picture. Measures 17⅛ Inches Wide, 13⅛ Inches High.

Intended Retail Price

No. E..... $10.00

Brach Ground Clamp

The Brach Adjustable Ground Clamp, Equipped with Fahnestock terminal is Probably the Simplest of Any Installed and Provides a Permanent and Reliable Means of Connection.

Each

No. NGC—(Intended Retail Price 10c) ... 7½c

Twenty-five in a package

Snap-Tite Radio Ground Clamp

A Quick Action Universal Clamp for a Perfect Radio Ground. Makes the Tightest Ground Connection Possible. Gives Direct Ground Wire Connection with no Intermediate Joints or Breaks. No Tools—No Soldering Necessary. Quick, Easy, Positive. Direct Contact of 40 Lbs. Pressure.

Intended Retail Price

DISCOUNT

Less than 100 33⅓%

100 or more 40%

No. 1—¼ to 1¼ In. for Water Pipe or Radiator Valve

No. 2—¼ to 1½ In. for Small Steam Pipe or Large Water Pipe

Less than 100 ... 50c

100 or More ... 45c

Twenty-five in a carton

KANT-KRODE

A Preparation which Applied to Terminals of Storage Batteries, Prevents and Retards Corrosion. Also Lubricates.

Per Tube

No. 0KK—(Handy Tubes. One dozen in display carton; twelve (12) dozen in a case.

Per Can

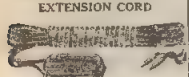
No. 1KK—One Pound Can... $1.00

One dozen in a carton; three (3) dozen to a case

No. 5KK—Five Pound Cans ... $4.50

Six cans in a case

EXTENSION CORD



Has Reversible Plug, which makes for the Convenience in placing Loud Speaker in any Location Desired.

Each

No. 20—20 ft. extension cord with plug. Intended Retail Price $ .75

No. 30—30 ft. extension cord with plug. Intended Retail Price $1.25

No. 50—50 ft. extension cord with plug. Intended Retail Price $1.75

NEW RADIO DIAL ILLUMINATING LAMPS

This Lamp Furnishes a Local Illumination with a Minimum Battery Drain. Is Also Used as an Indicator Lamp Showing When Radio is Turned on. The Lamp has Miniature Screw Base. 6 Volts, 0.30 Ampere. Manufacturer Overall Length 1¾ Ins.

Each

No. T-3 ... 7½c

Ten in a box

NEW PROTECTOR RADIO LAMP

Acts as a Circuit Breaker If Any Short Circuit Occurs the Bulb Immediately Blows Out. Exposure Tubes are Saved at Small Cost. 1.5 Volt, .06 Ampere Screw Base

Each

No. C-3 ... 25c

Ten in a box

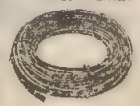
Little Tattler Head Sets

Light in Weight, Weighing but 10 Ounces and Comfortable on the Head. Molded Highly Polished Black Rubber Composition Shells, with Generous Size Ear Caps. Special Extra Size Magnet and Special Grade Tinned Diaphragms. Four Foot High Grade Copper Tinsel, Silk Finish Black Cord.

No. U50 Intended Retail Price $4.00 ... 75c

Wrapped in tissue and packed 1 set in a carton. Twenty sets in a shipping container.

Radio Lead-In and Ground Wire



No. 14 White Rubber Covered Wire

Per Coil

No. 14/50—50 Ft. Coils ... 50c

No. 14/500—500 Ft. Coils ... $4.50

Battery Cables

Made up of Six Individual Cables with Each Leg, no One End and 12 Inch Legs on other. All Leads Stripped One Inch and Tinned Soldered. Two Leads (the Red and Black) are Heavier and for Use on "A" Battery, the others are for Use on "B" Batteries. Most Sets Need Only Five Conductors and so This Case One of the Wires May be Omitted.

Each

No. 5G—5 feet long ... 75c

No Lead Terminal Ends

No. 10G—10 Feet Long ... $1.00

Without Terminal Ends

No. 5GTE—5 Feet Long ... $1.00

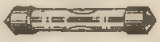
With Terminal Ends

No. 10GTE—10 Feet Long ... $1.25

With Terminal Ends

25 to a package

Grid Leaks Durham Metallic



Made by Coating the Surface of a Glass Rod with a High Resistance Element, Insuring Perfect Resistance, Conductivity, Permanence of Resistance and Absolutely Noiseless Operation.

Each

No. 1MF—1 Meg. Capacity (Intended Retail Price 45c) ... 15c

No. 2½R—2 Meg. Capacity (Intended Retail Price 60c) ... 20c

10 in a package 100 in a carton

PACENT AUTO PLUG

Entirely Shock-Proof To Connect—Drop Cord Tips in Recesses in Bottom of the Plug Shell, Press in Push Buttons Then Release, a Bitug Grip Results To Disconnect, Press in Push Buttons and Pull Out Cord Tips. Polarity of Springs Indicated by Red and Blue (—) Push Buttons. Label is Shell. No Screws Used in Its Assembly.

Each

No. 60—(Intended Retail Price 60c) 36c

One only in a carton

FOLY CLARO RADIO PLUG

Improves Tone Quality and Eliminates "Scraps" Sounds from Loud-Speaker. Proves to be a Real Fig Seller.

No PCP

Less than 12 Each ... 12c

12 or More Each ... 10c

Brach Shock-Proof Radio Plug

No Metal Parts are Exposed that Might Shock the User. No Tools Needed to Attach or Release Cord; Merely Slip the Tips on and They are Gripped Automatically and Can Only be Released when Pulled to One Side. Other Features are Polarity Marking and Perfect Insulation to Withstand High Voltages Required by Loud Speakers.

Each

No. 50P—(Intended Retail Price 50c Each) ... 25c

One only in a box; twenty-four in display carton.

GLASS ANTENNA INSULATOR

Made of Special Heat Resisting Glass Unaffected by Extremes of Weather. Reduces Leakage from Antenna to a Minimum. Size 1⅛ to 3¼ Ins.

	In Std Pkgs. Each	Less Std Pkgs. Each
No. 33 ...	3c	4c

One in a Carton. 200 in a Standard Pkg. Weight per std pkg., 48 lbs.

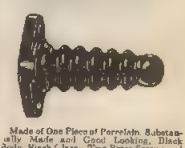
BRACH LOW LOSS CRYSTAL INSULATORS

To Receive Radio Broadcasted Signals at Full Strength and Purity and to Guard Against Foreign Currents and Losses these Insulators are Recommended. They are of High Dielectric Value and Will Not Absorb Water or Collect Dust or Dirt. Large Flanges Increase Surge Insulation and Provide Drip Points, for Rain, Snow or Ice. Tensile Strength is Far in Excess of Requirements.

No. 30G-I.—(Intended Retail Price 30c) ... 15c

One only in a carton, 20 in a package

Fleron Stand-Off Insulators



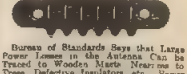
Made of One Piece of Porcelain. Substantially Made and Good Looking, Black Body, Black Glaze. Two Brass Screws and rubberheads for Use as a Cushion under the Screw Heads are Provided. It is used to Keep the Aerial or Lead-in Wires Away from the Building so as to Prevent Power Losses.

Each

No. 14—(Intended Retail Price 15c) 10c

One only in a box, twenty in a carton.

FLERON PORCELAIN INSULATORS



Bureau of Standards Says that Large Power Losses in the Antenna Can be Traced to Wooden Masts. Next are to Trees. Defective Insulators etc. Power Losses Due to Dielectric Absorption are Reduced to the Very Minimum with Correctly Made Porcelain Insulators. This is True Because of the Low Phase Difference of Porcelain. These Insulators are Made of a Highly Vitrified Close Texture Porcelain with a Heavy Black Glaze.

Each

No. 9—3 x 1¼ Ins. (Intended Retail Price 20c) 10c a Carton ... 1.00

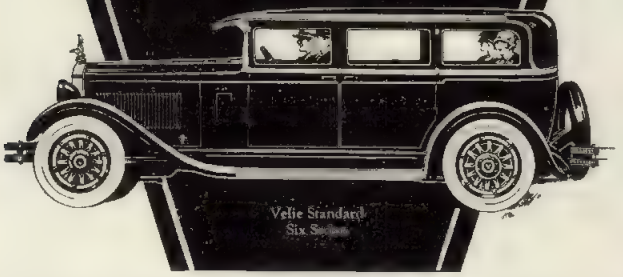
One only in an individual box.

VELIE

THE NAME INSURES THE QUALITY

Announcing~

The Great New Velie Line and Dealer Proposition



YOUR eyes will be opened to new values and new opportunities for profit if you will write for complete details on these great new Velie Models and the Velie Co-operative Franchise. The new Velie Models anticipate the demands of today's motor-buying public. Each is an outstanding leader in its price class — in amazing performance, in individuality of body design. Each is powered by the famous Velie-built Airplane Type Motor with Full Force Feed Lubrication to all moving parts. Each fulfills the Velie Long-Life pledge by incorporating a wide margin of Overstrength in every part. Each Velie car is cushioned in rubber, with Oilless, Noiseless Rubber Shackles as standard equipment.

VELIE MOTORS CORPORATION, Moline, Ill.

Dealers and Distributors: *Remember that our valuable, co-operative Franchise is unquestionably one of the most profitable you can obtain today.*

LONG VELIE LIFE

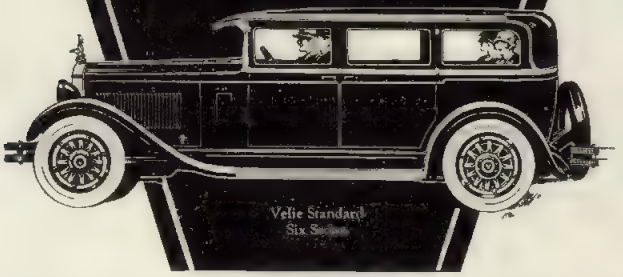
Velie offers a line of fully equipped cars on two chassis, ranging from the Standard Six Sedan at $1165 *to the Royal Sedan at* $1635. *All prices F. O. B. Moline.*

VELIE

THE NAME INSURES THE QUALITY

Announcing~

The Great New Velie Line and Dealer Proposition



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Velie offers a line of fully equipped cars on two chassis, ranging from the Standard Six Sedan at $1165 *to the Royal Sedan at* $1635. *All prices F. O. B. Moline.*

Electricity and Vending Machines

The New Acme Electric Machine. Uses only one dry battery. Made of pressed steel, substantial attractive and a splendid money earner. Has coin detector. Red finish. Dimensions, 7x9x 13½ inches, including top frame which is 3¾ inches high. Shipping weight, 16 lbs

No. A7918. Each . 8.50

New Model Sanitary Peanut Vender, with coin detector. Holds 7 lbs. of peanuts and vends them for about 0.36 per lb. Shipping weight, 22½ lbs.

No. A7912. Each... 8.75

New Model D Ball Gum Vending Machine. Holds nearly 4 boxes of 100 balls each. Novel, sanitary, economical, attractive, 12½ in. high and 7¼ in in diameter at base. Made of metal and glass finished in red. Has rubber feet, and our famous coin detector. Shipping weight, 9½ lbs.

No. A7910. Each... 7.00

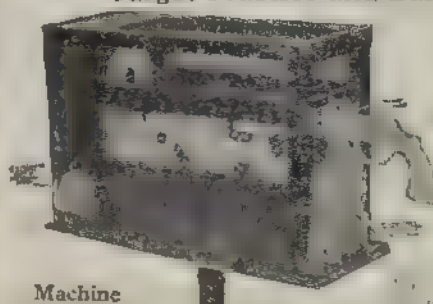
Popular Match Vending Machine. Cabinet of mahogany finish and metal front. It is a strictly high grade match vending machine in every respect. Has a good coin detecting mechanism. Holds 48 boxes of matches. Height, 14½ in. Width, 10½ in. Depth, 7 in. Shipping weight, 14 lbs

No. A7924. Each... 7.75

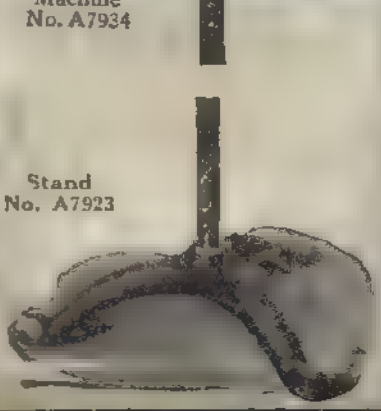
Outside Wall Bracket for A7910 and A7912 machines. Each bracket equipped with lock and key.

No. A7916. Each... .60

Target Practice and Ball Gum Vender



Machine No. A7934



Stand No. A7923

This Target Practice and Ball Gum Machine is the most attractive and efficient vender ever put on the [illegible] mechanism of [illegible] is very simple [illegible] It has [illegible] few secrets [illegible] this mechanism.

To play the Target Machine Ball Gum Vender, simply insert a penny in the slot, aim at the Bulls [illegible] If Bulls [illegible] is returned [illegible] machine [illegible] made [illegible] by pushing [illegible] at front [illegible] machine. Ball of gum is delivered for each penny that drops into machine. When pennies drop into machine no gum is delivered unless the lever is pushed. Gum [illegible] through glass [illegible] [illegible] made of aluminum with [illegible] finish and shoots penny only. The cabinet is substantially made from ¾ inch seasoned wood finished in beautiful mahogany. Size is 7"x [illegible]"x17¼". Weight 14 lbs. Holds 700 balls of gum and has plenty of room for 700 pennies

No. A7934.
Vender only Each..... 23.50

NOTICE
No. A7923. Cast Iron Stands extra. Each... 3.50

Vending Machine Supplies

Stick Gum to use in Vending Machine. Spearmint flavor. Each stick wrapped five sticks in pkg 20 pkgs in box

No. A8177.
Per box... .30

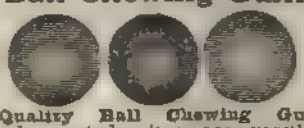
Safety Matches. Best quality, regulation size, suitable for above machines. One gross in a pkg

No. 15831.
Per gross. .95

Salted Peanuts, absolutely fresh, always popular. Our prices enable you to make excellent profits; guaranteed clean, fresh goods. 10 lbs. in wooden box

No. A8150. Per box . 1.85

Ball Chewing Gum



Quality Ball Chewing Gum, candy coated, sizes are regular, every one is round, no trouble in vending machines. Made of good materials, delicious flavor, lasting and pleasant to the taste. Comes in assorted flavors and colors, 100 [illegible] 100 boxes in case.

No. A8195.
Per box... .25 | Per case. 24.00

Superior Soft Drinks

"Not how cheap, but how good" has been our slogan in the preparation of our "Superior" brand of soft drink powders and liquid flavors.

Before adopting the "Superior" brand, and placing it on the market, all items listed were subjected to a most rigid test by expert chemists, who reported that all powders and liquids submitted were far superior in every detail to all others.

"Superior" Soft Drink Powders, an artificial flavored product—composed of a citrus base, flavored with true Italian flavors, and artificially colored. A delicious drink suggesting the rich fruit flavor of the true fruit itself is obtained by using "Superior" powders.

There is 85c profit on every dollar taken in

"Delicious"

"Superior" Soft Drink Powders and Liquid Flavors are prepared especially for us. We guarantee these products to be made from the very best materials. We have had them analysed by chemists and they comply fully with all pure food laws. By using "Superior" soft drink powders and flavors you will double your sales

Artificial Orangeade

No. A8050. Makes 60 gal. or about 1,800 glasses. Per pkg **3.45**
No. A8051. Makes 30 gal. or about 600 glasses. Per pkg **1.80**
No. A8052. Makes 15 gal. or about 300 glasses. Per pkg **1.00**

Artificial Grape

No. A8071. Makes 60 gal. or about 1,800 glasses. Per pkg **3.45**
No. A8072. Makes 30 gal. or about 600 glasses. Per pkg **1.80**
No. A8073. Makes 15 gal. or about 300 glasses. Per pkg **1.00**

Artificial Lemon

No. A8053. Makes 60 gal. or about 1,800 glasses. Per pkg **3.45**
No. A8054. Makes 30 gal. or about 600 glasses. Per pkg **1.80**
No. A8055. Makes 15 gal. or about 300 glasses. Per pkg. **1.00**

Superior Liquid Flavors in Bottles

"Superior" Liquid Flavors are produced from the highest quality ingredients obtainable. Our idea of putting them up in bottles is the handy way of making soft drinks rapidly. Always use glass or earthenware containers when mixing or dispensing, as drinks should never come in contact with metal.

A tablespoon of "Superior" liquid flavor mixed with sugar and water will make a gallon. Makes excellent Sherbets, Ices, Frappes and other delicious concoctions. Soda dispensers will find it ideal for Soda and Sundae syrups.

Each bottle contains 4 oz. and will make 10 gal. of liquid. Made in the four artificial flavors as listed below.

All Drink Powders and Flavors Comply Fully with all Pure Food Laws

Artificial Raspberry 4 oz. bottle makes 10 gal. or about 300 glasses
No. A8074. Bottle .75

Artificial Grape. 4 oz. bottle makes 10 gal. or about 300 glasses
No. A8075. Bottle .75

Artificial Cherry. 4 oz. bottle makes 10 gal. or about 300 glasses
No. A8076. Bottle .75

Artificial Loganberry. 4 oz. bottle makes 10 gal. or about 300 glasses.
No. A8077. Bottle .75

FREE

WITH EACH

25.00

ORDER

Universal one pint, seamless brass, full nickel plated Vacuum bottle given free with each 25.00 order of either one kind or assorted kinds of Shure powder flavors shown on this page. Ask for free Vacuum Bottle

A Splendid Showing of "Verona" Aquariums as Unusual Gifts

Aquariums are very popular in the homes today. Folk seem to enjoy a pet hobby such as this and they appreciate the decorative scheme it lends to home surroundings. This large showing permits a most satisfactory selection to be made, at prices exceedingly low, considering the superior quality prevailing.

FACTORY GUARANTEE

"Verona" products are Nationally advertised and fully Guaranteed The makers of Verona artistic metal furniture guarantee every piece to be free from defects—perfect in design and workmanship. They will replace any broken metal parts—caused by faulty materials, workmanship or other causes. This warranty cannot, of course, cover breakage of parts made of glass.

PRACTICAL GIFTS THAT BRING HAPPINESS

AQUARIUM

A strongly constructed aquarium of expert workmanship and finish. 5 gallon capacity clear glass bowl. Beautiful fish container. Base attractively finished in antique gold metal leaf. Height, 36 inches. A splendid value of this low factory price

No. 27U326. Each $13 00

AQUARIUM

Trimly built, its simple lines enriched by ornamentation of metal filigree upright finished in black Base and Trim in metal leaf gold antiqued. Bowl finished in Green or Amber Capacity one and a half gallons. Specify choice when ordering Ht., 35 in.

No. 27U311 Each $10.25

AQUARIUM

Stunning little number And the price within the reach of all Finished in rich Jade and Black Bowl finished in Amber or Green Specify preference when ordering One gallon capacity Height 25 inches Sturdily constructed and priced very low.

No. 27U310. Each $6.85

AQUARIUM

Wrought iron aquarium with clear glass bowl Two gallon capacity Stand finished in red Green or bronze which specify when ordering Height, 48 inches This is a standard design very popular and priced exceptionally low in this important selling

No. 27U342. Each $10.20

AQUARIUM

Reflects the utmost in good taste and finest skilled workmanship and finish Height, 39 inches Base, 11 inches. Capacity of bowl two gallons. Rich Crystal bowl only. Finished in Apple Green and Antique Gold A very artistic and exclusive design

No. 27U328F. Each $13.50

AQUARIUM

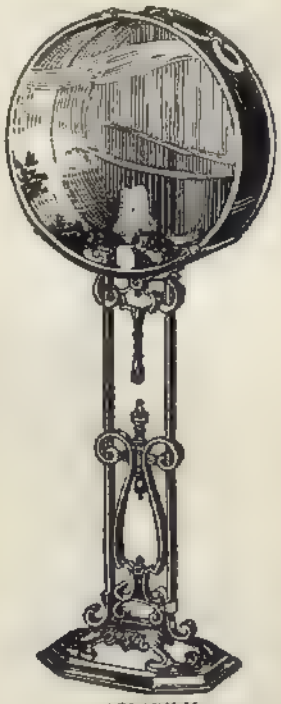
Of graceful lines This aquarium has instant appeal in its lines of design and excellent finish Stand 8 inches square finished black lacquer decorated in antique metal gold. Oval base, measuring 8½x10 inches. Height, 38 inches Bowls come in Amber or Green, capacity two gallons. Kindly specify choice of bowl wanted when ordering.

No. 27U325. Each $22.20

AQUARIUM

A unique and very charming design. Stand is finished in antique silvertone, lacquered with rubbings Ivel Lacquer tone uprights. Crystal bowl, capacity two gallons. Height, 39 inches. Base measures 11 inches wide. Expert workmanship and finish manifested throughout. Makes an unusual gift at the low price offered in this selling.

No. 27U329F. Each $13.80



AQUARIUM

The most unusual aquarium on the market, decidedly novel. Featured with bowl of Circled Crystal, encased in copper banding, absolutely water tight Capacity 2 gallons Antique gold plated base with uprights and rings in contrasting peacock blue Diameter of base, 14¾ inches Base, 9x12 inches. Height, 40 inches.

No. 27U341. Each $43.20

DESK CHAIRS

RAILROAD DEPOT CHAIR
DOUGLAS FULL RODDED

Made of seasoned Wisconsin Rock Elm; gloss finish, neatly striped. Back and arms are made of 1¼ inch stock reinforced by fancy turned spindles. Solid wood seat 1½ inch stock, large and comfortable. Legs made of 1½ inch stock turned and held together by turned stretchers.

Each

No. 1LN—Indestructible ... $20 25

Tied two in bdle. set up; shipping wt each about 18 lbs.

DESK STOOLS

REVOLVING
With Back.

Each

No. 9770—Hardwood; imitation oak, golden gloss finish; height to seat 31 ins closed; japanned cast iron seat support; cast iron spindles ... $15 00

One in bdle; shipping wt each 20 lbs.

REVOLVING

Each

No. 975—Hardwood; golden gloss finish; height closed 30 ins; japanned cast iron seat support; cast iron spindle ... $11 55

Six in bdle; wt each 20 lbs.

STATIONARY

Hardwood, golden gloss finish.

Nos.	960	970	980
Height, ins	24	30	36
Wt per doz, lbs.	86	92	100
Per Doz	$51 75	59 25	71 25

Six in bdle. K.D.

INVALID WHEEL CHAIRS

RECLINING
With Two Piece Adjustable Leg Rest.

Solid oak frame, light golden finish; reinforced steel construction throughout. Equipped with double steel spring under seat. Adjustable reclining back and two piece divided independent adjustable leg rest, two rear swivel wheels and furnished with hand rims on large wheels that will allow patient to propel chair forward or backward, or turn in either direction. Extension wood push handle.

No.	626
Size rubber tires, ins	¾
Height of back from seat, ins	31
Height of seat from floor, ins	20
Height of seat from foot board, ins	17
Length of leg rest from seat when down, ins	17
Length of leg rest from seat when up, ins	24¼
Height of arms from seat, ins	9½
Depth of seat, ins	20
Width of seat between arms, ins	19
Diam of large wheels, ins	28
Diam of small wheels, ins	10
Width over all, ins	29
Each	$118 50

Crated; shipping wt each 105 lbs.

RECLINING, ROLLING

With rear swivel wheel of large diameter, 14 inch. We particularly recommend this chair as being one of the easiest to handle and to manipulate. This idea is entirely original, and has been a source of much pleasure to many who praise it highly for these qualities. Furnished regularly with hand rims on large wheels that will allow patients to propel chair forward and backward or turn in either direction at will.

Height of back from seat	31
Height of seat from floor	20
Height of seat from foot-board	17
Height of arms from seat	9¼
Depth of seat	20
Width of seat between arms	19
Diam of large wheels	28
Diam of small wheel	14
Width over all	29

Can furnish with bicycle ball-bearings at additional charge.

Each

No. 606—With ¾ inch rubber tires ... $95 25

No. 607—With 1 inch rubber tires ... +99 75

One in crate; wt each 100 lbs.

+F. O. B. Ohio Factory Only.

INVALID CHAIRS
FIXED, ROLLING

With fixed rear swivel wheel and folding foot-board. Furnished regularly with hand rims on large wheels that will allow patient to propel chair forward and backward or turn in either direction at will. The graceful outlines of this chair will readily appeal to all as a most comfortable and easy riding chair. One of our most popular patterns.

Height of back from seat, ins	20½
Height of seat from floor, ins	21
Height of seat from foot-board, ins	17¾
Height of arms from seat, ins	9¾
Depth of seat, ins	18
Width of seat between arms, ins	18¾
Diam of front wheels, ins	28
Diam of rear wheel, ins	10
Width over all, ins	29

Bicycle ball-bearings on Nos. 647 or 648, extra steel elliptic springs, extra. If wanted without hand rims, less.

Each

No. 647—With ¾ inch rubber tires ..... ♦$105 60
No. 648—With 1 inch rubber tires ..... ♦ 113 10

One in crate; wt each 100 lbs.

ROCK-A-BYE SWINGS
PERFECTION

Keeps baby happy, healthy, out of the way and out of the dirt. Every move of the baby moves the swing and keeps the baby interested.

Per Doz

No. 1—Frame is of steel, covered with heavy unbleachable duck; with strong web supports. Furnished with screw hook for attaching to ceiling, porch or tree branch. Suitable for children from infancy to about two years of age $25 05

One in envelope; shipping wt per doz 13 lbs.

♦F. O. B. Ohio Factory Only.

ROCK-A-BYE SWINGS

With Head Rest.

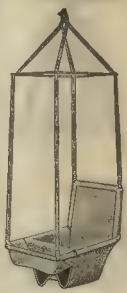
This swing is constructed in such a manner that the child occupying it has every comfort imaginable. This is an exceptionally high grade swing, being perfectly sanitary and allowing the baby to exercise its body and limbs, keeping it active and healthy.

Frame is of enameled steel, covered with heavy duck; heavy web supports. The back or head rest can be folded flat on seat frame when not in use. Suitable for children from infancy to about two years of age.

Per Doz

No. 2—White unbleached duck $35 55
No. 2B—Blue Duck 44 55
No. 2F—Pink Duck 44 55

One in envelope; shipping wt per doz 20 lbs.



PERFECTION
With Head Rest and Tray.

Unbleached heavy duck; steel bottom frame, tray and back; strong web supports. Furnished with hook for attaching to ceiling, porch or tree branch.

Per Doz

No. 4—Wt per doz 24 lbs $49 50

One in envelope.

SPRINGS
FOR CHILDREN SWINGS

Made of best spring wire, nickel plated and polished. Equipped with safety attachment to prevent breakage by overload or abuse.

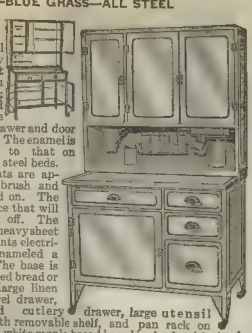
Per Doz

No. 30—Length 10½ ins $9 00

Packed loose; wt per doz 8 lbs.

KITCHEN CABINETS

—BLUE GRASS—ALL STEEL



White Enameled. The structural frame is of heavy angle steel, cut and formed on special machines; securely welded into proper shape causing every drawer and door to fit perfectly. The enamel is applied similar to that on white-enameled steel beds. A number of coats are applied by an air brush and each coat baked on. The result is, a surface that will not chip or peel off. The entire body is of heavy sheet steel with all joints electrically welded, enameled a snow white. The base is fitted with tin lined bread or cake box, one large linen drawer, one towel drawer, one partitioned cutlery drawer, large utensil compartment with removable shelf, and pan rack on inside of door. A white maple bread board is also furnished.

The top contains a tilting flour bin with flour sifter, glass sugar container, seven crystal glass spice jars and a crystal glass measuring cup.

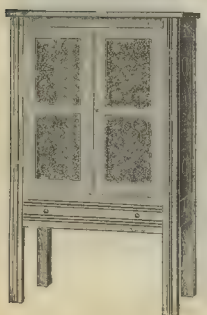
Height over all 70 inches; width 40 inches; top 40½x26 inches; extending to 37 inches when drawn out.

Each

No. BG23—With porcelain sliding top.....$157 50

Base and top separately; shipping wt each complete 331 lbs.

KITCHEN SAFES



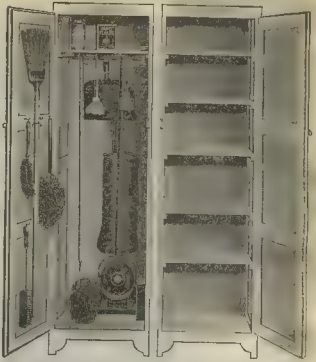
Hardwood, imitation quartered oak finish; 4 feet 11 inches high; 2 feet 10 inches wide; 14½ inches deep; perforated tin doors; mounted with patent lug fasteners.

Each

No. 20TD—With drawer ... $20 55

One in crate, K. D.; shipping wt each 70 lbs.

BROOM CLOSET AND DISH CUPBOARDS



(Broom Closet) (Dish Cupboard)

Seasoned kiln-dried hardwood; three-ply construction shelves, back and door panels; nickel plated hinges and door latch. May be used as a combination in bungalows and small apartments. Height over all 63½ inches; width 19 inches; depth 13 inches.

BROOM, BRUSH AND VACUUM CLEANER CLOSET

Contains 1 shelf for polish, soap, etc, sufficient hooks for hanging brushes, mops, dust pan, etc., and broom holder on door.

Each

No. 10WE—White enameled inside and outside ... $33 75

No. 10GE—Grey enameled inside and outside... ... 33 75

DISH CUPBOARD

Contains 6 roomy shelves to accommodate dishes, linens, package goods, canned goods, etc.

Each

No. 12WE—White enameled inside and outside..... $35 25

No. 12GE—Grey enameled inside and outside..... 35 25

One in heavy corrugated carton; shipping wt each 47 lbs.

KITCHEN SAFES

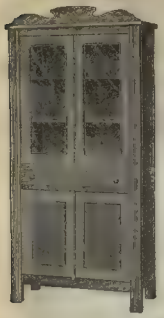
Hardwood, imitation quarter sawed oak, golden gloss finish; 4 feet 11 inches high; 3 feet 4 inches wide; 14½ inches deep; perforated tin doors large; drawer; mounted with patent lug fasteners.

Each

No. 21T... $23 25

One in crate, K. D.; shipping wt 85 lbs.

KITCHEN CUPBOARDS



—Trade Stimulator—

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet high; 2 feet 10 inches wide; 14½ inches deep; panel wood doors in base; with drawer; glass 10x30 inches

Mounted with patent lug fasteners.

Each

No. 30—Glass doors . . . **$29 55**
No. 30T—Tin doors . . . **28 80**
No. 30$—Screen wire doors . . . **28 80**

Full Bolted Construction.

No. 030 -Glass doors . . **$30 75**
No. 030T—Tin doors . . **30 00**
No. 030$—Screen wire . **30 00**

One in crate, K. D; shipping wt 105 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet high; 3 feet 4 inches wide; 14½ inches deep; perforated tin doors in top and panel wood doors in base; with drawer mounted with patent lug fasteners.

Each

No. 23T **$33 75**

One in crate, K. D; shipping wt 116 lbs.

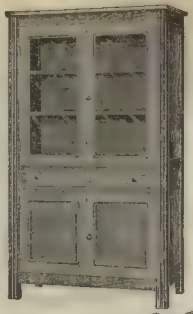
Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 3 inches high; 2 feet 10 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base; with drawer; glass 10x30 inches.

Each

No. 24 . . . . . **$33 75**

One in crate, K. D.; shipping wt each 100 lbs.

KITCHEN CUPBOARDS



Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet high; 3 feet 4 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base, with drawer; glass 10x30 inches; mounted with patent lug fasteners.

Each

No. 25 . . . . . **$41 25**

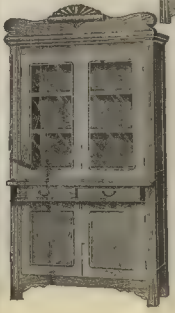
One in crate, K. D.; shipping wt 112 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 8 inches high; 3 feet 4 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base, with drawer; glass 14x30 inches; mounted with patent lug fasteners.

Each

No. 26 . . . . . **$45 00**

One in crate, K. D.; shipping wt 125 lbs.



Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 3 inches high; 3 feet 4 inches wide; 14½ inches deep glass doors in top panel, wood doors in base with drawer; glass 14x30 inches; mounted with patent lug fasteners.

Each

No. 27 . . . . . **$48 75**

One in crate, K. D.; shipping wt 152 lbs.

COMMODES

Each

No. 0½—Solid oak, golden gloss finish; turned legs; top 18x18 ins; height 18 ins; complete with pan....$15 75
Well wrapped; shipping wt 24 lbs.

Each

No. 1½—Solid oak; golden gloss finish; with drawer; top 18x18 ins; height 18 ins; complete with pan.....$20 70
Well wrapped; shipping wt 26 lbs.

MATCHED BED ROOM PIECES

CHAIR

Cane seat 15x16 inches. Each
No. 240C—Hardwood, imitation American walnut finish.....$12 75
Crated; shipping wt each 15 lbs.

ROCKER

Cane seat 15x16 inches. Each
No. 240R—Hard wood, imitation American walnut finish.....$14 25
Crated; shipping wt each 15 lbs.

BENCH

Cane seat 15x20 inches. Each
No. 240Z—Hardwood, imitation American walnut finish....$12 75
Crated; shipping wt each 15 lbs.

BENCH

Cane seat 15x25 inches. Each
No. 432W—Combination American walnut and gum, dull rubbed finish.....$24 75
Wrapped; shipping wt each 10 lbs.

MATCHED BED ROOM PIECES

CHAIR AND ROCKER

Combination American walnut and gum, dull rubbed finish.
Cane seat 15x16 inches.

Each

No. 43XW—Chair; wt each 11 lbs.....$24 75
No. 43RW—Rocker; wt each 12 lbs.....27 00
Wrapped

WINDSOR CHAIR

Shaped seat 15½x15½ inches; height over all 34½ inches.
Each
No. 65C—Hardwood, imitation American walnut rubbed finish.....$9 45
Two in bdle, wrapped; shipping wt each 9 lbs.

WINDSOR ROCKER

Shaped seat 15½x15½ inches; height over all 30½ inches.
Each
No. 65R—Hardwood imitation American walnut rubbed finish.....$11 55
Two in bdle, wrapped; shipping wt each 10 lbs.

WINDSOR BENCH

Top 14x20 inches; height over all 17½ inches.
Each
No. 65Z—Hardwood imitation American walnut rubbed finish..$7 80
One in bdle, wrapped; shipping wt each 8 lbs.

METAL STIRRUPS

Men's.

Per Doz Pair

No. 842—Men's malleable XC plate; tinned 1¼ in loop; 3¾ in tread.....$12 75

Half doz pair in box; wt per doz pair 10 lbs.

Men's.

Per Doz Pair

No. 844—Men's; malleable XC plate; tinned; 1⅝ in. loop, 4½ in. tread.....$30 00

Half doz pair in box; wt per doz pair 18 lbs.

Men's.

Per Doz Pair

No. 808—Men's; safety oscillating XC plate; tinned; 1½ in. loop, 4 in. tread.....$39 00

Half doz pair in box; wt per doz pair 21 lbs.

WOOD STIRRUPS

Sawed and bolted.

Nos.	15-4	15-5	15-6
Size, ins	4	5	6
Width block, ins	2¼	2½	2½
Width tread, ins	4	5	6
Wt per doz pair, lbs	21	24	27
Per Doz Pair	$9 90	10 80	12 75

Five doz pair in crate.

Per Doz Pairs

No. 301—Ox bow, oiled and bolted, size 1½ ins; width of block, 2¼ ins; width of tread 4 ins.....$10 80

Five doz pair in crate; wt per doz pair 12 lbs.

Brass Band.

Best quality elm timber firmly bound with polished brass. Takes 3 inch stirrup leather.

Per Doz Pair

No. 40V—Width of tread 5¼ ins; width of block 2½ ins.....$60 00

Packed loose; wt per doz pair 15 lbs.

LEATHER COVERED STIRRUPS

—BLUE GRASS—

Per Pair

No. 825—Blue Grass, covered with mahogany colored leather; steel band; with roller, pin riveted in; 1¾ in. bar.....$7 50

Packed loose; wt per doz pair about 42 lbs.

Fair Leather Covered.

Per Pair

No. 800—Bent wood stirrup; size 3 ins; wt per doz pair about 13 lbs.....$4 05

No. 801—Sawed stirrups; size 4 ins; wt per doz. pair about 27 lbs.....4 80

Packed loose.

SADDLE BAGS

No Pocket In Flap.

Per Pair

No. 1—Round pattern; fair kip leather bag with plain black harness leather flaps (no pocket in flap); depth 10 ins; width 15 ins.....$19 50

One pair in cardboard box; ship wt per pair about 8 lbs.

With Pocket In Flap.

Per Pair

No. 2—Round pattern; fair kip leather bag with black harness leather flaps having hound edge; with pocket in flap; depth 10 ins; width 15 ins.....$21 00

One pair in cardboard box; ship wt per pair about 8 lbs.

No Pocket In Flap.

Per Pair

No. 9—Square pattern, fair kip leather bag with black harness leather flaps (no pocket in flap); depth 10½ ins; width 13½ ins.$18 75

Per Pair

No. 10—Square pattern, fair kip leather bag with black harness leather flaps (no pocket in flap); depth 11 ins width 15 ins.....$21 00

Per Pair

No. 11—Same as No. 9 extra large size; depth 12½ ins; width 16½ ins.....$27 00

No. 4—All fair leather, made from bag leather, square pattern, with pocket in flap; depth 11½ ins; width 15 ins.....33 00

Belknap Saddles are made in our own Factory from the very best leather obtainable. We employ only the highest skilled mechanics—men who know how to make good Saddles. Belknap Saddles wear—Belknap Saddles look good—Belknap Saddles cost no more than ordinary grades.

Courtesy of The Virden Mfg Company *133 Screen Four Color Process Plates*

A LIGHTING FIXTURE ILLUSTRATION

Reproduced from photographs Retouched in Colors

Engraved by THE FAULTLESS ENGRAVING COMPANY, CLEVELAND

CAST IRON HOLLOW WAR.
EXTRA POLISHED FINISH.

FRY PANS.

ACME.
Polished Steel, Cold Handle

NOS.	00	0	1	2
Top diameter	6	8	8½	9½ in.
Weight per dozen	5	8	10	12 lbs.
Net per dozen	$2.00	3.20	3.70	4.00
NOS.	3	4	5	6
Top diameter	10	10½	11	12 in.
Weight per dozen	14	16	18	20 lbs.
Net per dozen	$4.70	5.40	6.00	7.40

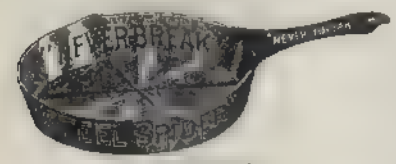
QUARTER DOZEN IN A BUNDLE.

SKILLETS

BROOKLYN.
Polished Steel.

NOS.	08	09
Size	9	10 in.
Weight per dozen	22	27 lbs.
Net per dozen	$6.80	8.80

SPIDERS.



"NEVER-BREAK"
Polished Steel.

NOS.	7	8	9	10	12
Size	8	9	10	11	12 in.
Wt. each	2½	2¾	3½	4½	5 lbs.
List each	$0 65	75	.90	1.10	1 30
Net each	$1.10	1.30	1.50	1.90	2.20

CAKE GRIDDLES.

"NEVER-BREAK."
With Handle, Polished Steel

Net each

NO. 9—Diameter 10 in., weight 2 lbs. each.....List each $0.70 $1.20

"NEVER-BREAK."
With Bail, Polished Steel

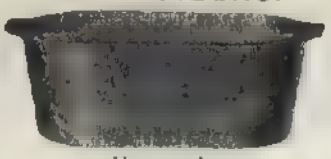
Net each

NO. 14—Diameter 14½ in., weight 3½ lbs. each..... List each $1 15 $2 00

FLAT BOTTOM KETTLES.

NOS.	58	59
Diameter top	9⅝ in.	10½ in.
Diameter bottom	9⅜ in.	9⅝ in.
Depth	6¾ in.	7 in.
Cap. qts.	7	9
Weight each	5½ lbs.	8½ lbs.
List each	$2 50	3 10
Net each	$4.00	5.00

HAM BOILERS.



Unground.
Round Bottom.

NO.	88
Length in.	22
Width in.	12
Depth in.	8½
Cap. gallons	7
Weight each	25
Net each	$4.50

Flat Bottom.

Net each

NO. 188—Otherwise same as No. 88..... $4.50

REGULAR KETTLES

NOS	68	69
Diameter top	10½ in.	11⅛ in.
Diameter bottom	8¾ in.	9⅛ in.
Depth	8 in.	8½ in.
Cap. qts.	8	10
Weight each	8½ lbs.	9½ lbs.
List each	$2 50	3.10
Net each	$4 00	5.00

WAGNER POLISHED CAST SKILLET DISPLAY ASSORTMENT.

Net Each Assortment

NO. 933—Eight Sizes, one each Skillet Nos. 3 to 10 with display rack.....$11.50

REGULAR BULGED POT.

NOS.	78	79
Diameter top	10⅜ in.	11⅛ in.
Diameter bottom	8⅝ in.	9⅛ in.
Depth	8½ in.	9½ in.
Cap. qts.	9	12
Weight each	8½ lbs.	10⅝ lbs.
List each	$3.20	3 70
Net each	$5.20	6.00

SUGAR KETTLES.

With Bail.

NO.	25	30	35	40
Commercial cap.	25	30	35	40 gal.
Diameter	23	25	27	29 in.
Depth	14½	15	17	18 in.
Weight each	55	70	85	102 lbs.
Net each	$11.00	14.00	16.00	20.00

WRENCHES

WALDEN SPEED WRENCHES

Long shank brace socket wrenches are used as speed tools in assembling and dismantling cars. Are most efficient when used on a series of the same sized nuts as on cylinder heads. To gain the most time in removing nuts first release the nut with an offset socket wrench, then spin nut off with Brace or Speed Wrench. These tools are big time savers, and are considered indispensable in garages where they have been tried.

No.	Size, in.	Each.
C6014G	7/16	$0.90
C6016G	1/2	.90
C6018G	9/16	.90
C6019G	19/32	.90
C6020G	5/8	.90
C6022G	11/16	.90
C6024G	3/4	.90
C6025G	25/32	.90
C6026G	13/16	.90
C6028G	7/8	.90

FIVE IN A BOX, W'T EACH 1¼ LBS.

TEE HANDLE SOCKET WRENCHES

Long shank, tee handle wrench, 6 in. handle, 12 in. shank.

No.	Size, in.	Each.
C2714G	7/16	$0.65
C2716G	1/2	.65
C2718G	9/16	.65
C2719G	19/32	.65
C2720G	5/8	.65
C2722G	11/16	.65
C2724G	3/4	.65
C2725G	25/32	.65
C2726G	13/16	.65
C2728G	7/8	.65

FIVE IN A BOX, W'T EACH 1½ LBS.

WALDEN DOUBLE END OFFSET

Designed to fit both center and front main bearing on Ford cars. Has 3/16 in. hexagon and 5/16 in. square socket. Length over all, 8 7/16 in. The 5/16 in hexagon socket on the one end has a very thin wall for clearance and is intended for wrist pin use only. Not guaranteed for general work due to its thin wall.

Wrench can be used on front main bearing, center main bearing, wrist pin clamp screw, running board brackets, running board to fenders front spring clamp bolt center.

No. C1881RG—W't each, 15 oz., each $1.20

FIVE IN A BOX

No. C2418G—Double Socket Offset Wrench. Length over all 9 in. Socket sizes 9/16 in. and ¾ in. Will Socket sizes 9/16 in. and ¾ in., w't each 1 lb. .....each $0.90

FIVE IN A BOX

WALDEN TEE-FLEX

UNIVERSAL JOINT

Tee Flex Universal joints and sockets have been used in combination with wrenches and are now complete in one solid tool. Will reach nuts otherwise inaccessible.

No.	Size, in.	Each.
C1016G	3/8	$2.25
C1018G	7/16	2.25
C1020G	1/2	2.25

FIVE IN A BOX, W'T EACH 1½ LBS.

WALDEN TRIPLE SOCKET OFFSET

No. C5660G—Triple Socket Offset Wrench. Socket sizes 15/16 in., ⅜ in. and 1 1/16 in. Length over all 10¼ in. Handle particularly designed for heavy duty. Will fit the following: Body bracket bolt and nut, front radius rod nut, front spring perch nut, front and rear spring hanger nut, hub bolt and nut, radius rod bolt and nut, rear spring clip nut, spindle bolt with oiler, spindle connecting rod bolt with oiler, spindle connecting rod bolt nut, w't each 1⅜ lbs. .....each $1.10

FIVE IN A BOX

WALDEN TOMAHAWK

Socket sizes ⅜ in. and ½ in. ⅝ This is the original Triple Socket Wrench, having ½ in. rod connecting the two sockets. The sockets are particularly shaped to increase their usefulness. Will fit the following: Axle housing bolt and nut, brake shoe support bolt, cylinder head cap screw, dash bracket to dash bolt and nut, drive shaft roller bearing, stud and nut, water cylinder inlet connection cap screw, water cylinder outlet connection cap screw.

No. G1620G—W't each 1 lb., each $0.85

FIVE IN A BOX

PET-COCK

No. C7375—Pet cock wrench, wire handle 21 in. long, for use in opening oil cock to ascertain oil level without the necessity of crawling or reaching under the cart, w't per doz. 4½ lbs., per dozen $1.05

WALLACE SILVER PLATE

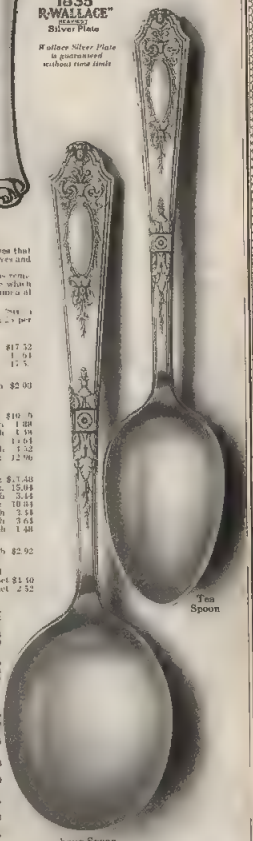
Astor Pattern

Grey Finish All Over

List Prices
Keystone Discount

"1835 R. WALLACE"
Hollowware
Silver Plate

Wallace Silver Plate is guaranteed without time limit



THE Astor pattern in "1835 R. Wallace" Hollowware Silver Plate combines that timeless quality of the Roman period with the beautiful modern touches of graceful curves and restrained ornamentation. The Astor pattern is the favorite of a large number of brides who appreciate especially an article that would be correct for a formal or informal dinner.

Pieces not listed are temporarily out of stock, but we have yet a full line. Send for price list. Silver Smith Box, Silver Chest and Roll. All chests and boxes furnished as per illustration.

STAPLES

Tea Spoons	doz.	$8.16	Soup Spoons	doz.	$17.52
Dessert Spoons	doz.	15.84	Dessert Forks	doz.	17.52
Table Spoons	doz.	17.52	Dinner Forks	doz.	17.52

KNIVES

†Butter Spoon, handle	each	$1.68	†Jelly	each	$2.00
†Butter Spreader	doz.	14.00			

FORKS

Chafing	doz.	$12.96	†Oyster	each	$10.76
†Cold Meat, large	each	1.20	†Pickle or Olive	each	1.08
†Ice Cream	doz.	17.16	†Pickle or Olive	each	0.96
†Lettuce	doz.	13.08	†Salad, individual	doz.	13.64
†Roast, large	each	.84	†Salad, serving	each	1.32
†Oyster, short	each	.84	†Tea	doz.	12.96

SPOONS

†Bon Bon	each	$1.24	†Iced Tea	doz.	$17.48
†Bouillon	each	3.64	†Infant's	doz.	15.04
†Bouillon	doz.	15.64	†Jelly, large	each	3.44
†Child's	doz.	8.76	†Orange	doz.	10.84
†Coffee	doz.	9.20	†Preserve	each	3.44
†Five o'Clock Tea	doz.	7.76	†Salad, serving	each	3.64
†Grape Fruit	doz.	10.84	†Sugar	each	1.48

LADIES

†Cream	each	$2.28	†Gravy	each	$2.92

MISCELLANEOUS

Cucumber Server	each	$3.32	†Cake Knife	set	$4.50
Sugar Tongs	each	1.64	†Infant's Fork and Spoon	set	2.52
†Tarnt Server	each	3.72			

CHILD'S SETS, ETC

†Child's Spoon, Fork and Knife					
Knife				set	$1.50
†Infant's Fork and Spoon				set	2.52

KNIVES HOLLOW HANDLES

†Dinner or Chop, stainless steel blades	doz.	$36.76	†Breakfast, 6 in. blades	doz.	$36.24
†Dessert, rust proof, silver plated blades	doz.	9.12	†Bread	each	3.84
†Dessert, 6 in. blades	doz.	29.29	Child's	set	2.34
			†Fruit, 6 in. blades	doz.	20.68
			Tea	doz.	9.60

CARVING SETS Hollow Handles With Guards

†Duck, 2 piece	set	$ 8.88	Meat, 2 piece	set	$12.76
†Duck, 3 piece	set	12	Steak, 2 piece	set	10.64
†Meat, 2 piece	set	8.56	Steak, 2 piece, resharpenable	set	7.84

Knives with stainless steel blades

Duck and Steak Knives are stainless steel blades

MISCELLANEOUS HOLLOW HANDLES

Cake Server	each	$3.84	Nut Pick	each	$ .88
Cheese Server	each	.96	Pie Server	each	1.20
Drink Straws	each	.14	Pie & Cake	each	2.40
Fish Server	set	5.44	Salad Set, wood	set	0.56

HOLLOW HANDLE KNIVES AND FLAT HANDLE FORKS

6 Dinner Knives, 6 blades, and 6 Dinner Forks	set	$21.14
6 Dessert Knives, 6 in. blades, and silver plated Blades, and 6 Dessert Forks	set	21.30

SOLID HANDLE CUTLERY

Chop Knives, stainless steel blades, silver plated handles	doz.	$ 5.60
6 Chop Knives, solid hand forged blades, and 6 Dinner Forks, 4 tines	set	16.58
6 Chop Knives, 4 Handles, 6 blades and 6 Dessert Forks, flat handles	set	3.60

All prices subject to change without notice

Illustrations are actual size

WALLACE SILVER PLATE

Last Prices
Keystone Discount

COMBINATIONS IN BLUE VELVET-LINED GIFT BOXES ASTOR PATTERN

8356F Set Patent-tip Salad Forks
Per set $* 82

8351L Fruit or Cucumber Server
Each $* 0

8356h Pie Oyster Forks
Per set $4.95

8351K Cheese Server, hollow handle
Each $* 41

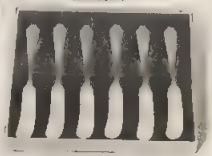
8352L Steak Carving Set, two pieces, yellow handles, stainless steel blade in knife, tuning fork
Per set $8.85
Same, all pieces, per set $10.65

8356J Set 6 Coffee Spoons
Per set $2.40

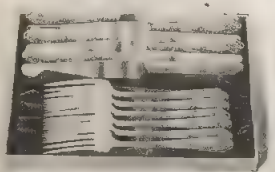
8351 Berry or Salad Spoon
Each $3.10

8351A Cold Meat Fork, large, each $2.10
8351K Salad Fork Serving, each $3.18

8351D Gravy Ladle, each $2.62
8351H Cream Ladle, each 2.10

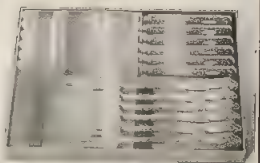


8356k Set Butter Spreaders
Per set $6.52



8352M Knife and Fork Set: Six Dinner Knives, bolster handles, French blades, stainless steel and six Dinner Forks flat handles, per set $23.15
8352D Same, with Dessert size knives, rust proof silver-plated blades and Forks, per set $21.90
With Dessert Knives, French blades, as a., per set $22.46

8352A Butter Knife and Sugar Spoon
Per set $2.62
8351P Butter Knife only, each $1.40
8351C Sugar Spoon only, each .42



8351ZP Knife and Fork Set: Six Cheese Knives, solid handles, stainless steel blades, and six Dessert Forks, flat handles
Per set $16.34
8351ZP Same, with Dinner Forks instead of Dessert Forks
Per set $16.58

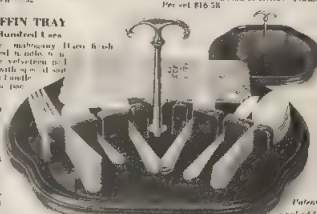
WALLACE BLUE BIRD BOX
No. large for leg
Soundly constructed of wood throughout and covered with blue acetate, the best substitute for suede. All corners reinforced lined

FOR 26 PIECES Illustrated
Outside dimensions of box 17½ x 9 x 3 inches closed
No. 30 Dinner Sets, 8 x each Tea and Table Spoons, Dinner Knives, hollow handles, French blades, stainless steel and Dinner Forks, and one each Butter Knife and Sugar Spoon, Complete $47.82
Other combinations can be furnished

WALLACE TIFFIN TRAY
The Tray of a Hundred Uses

Strongly constructed of wood, mahogany finish, with lift, in dimpled Nickel-plated handle, is high, in decorative Ray Blue velveteen, and holds the silver and is fitted with spaces for removing the hand set, Same, but smaller size shown in yellow, $10.

FOR 34 PIECES Illustrated
No. N-43 Dinner Set: Eight each Tea and Dessert Spoons, Dinner Knives hollow handles, French blades, stainless steel, and Dinner Forks, and one each Butter knife and Sugar Spoon, Complete $34.28
No. N-44 Same as above, except for Dessert Knives, Half stainless steel blades and Dessert Forks in place of Dinner size, Complete $36.58



Patent applied for

FOR 26 PIECES
No. N-1 Dinner Set: Six each Tea and Table Spoons, Dinner Knives, hollow handles, stainless steel blades, and Dinner Forks and one each Butter Knife and Sugar Spoon, Complete $19.92
No. N-5: 6 each Tea and Dessert Spoons, Dessert Knives, hollow handles, rust proof silver blades, and Dessert Forks, and one each Butter Knife and Sugar Spoon, Complete $18.12
Other combinations can be furnished

All prices subject to change without notice

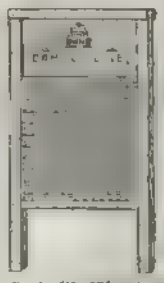
2b 6

Fast Selling WASHBOARDS at Low Prices

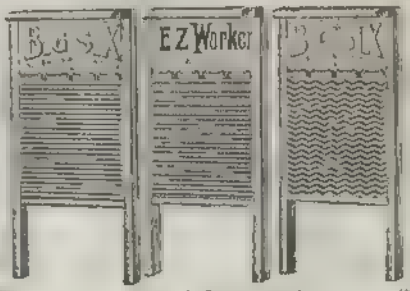
No. 1 selected seasoned hardwood, dovetailed corners, mortised inside frames. Most of these boards are made with soap-saving drainboards

"Zip Jr." ... Dox **$1.35**

"Capitol"... Dox **$2.10**



"Capitol"... Dox **$3.00**



"Big 6" Assortment

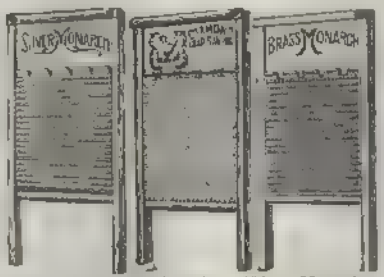
6 styles, 10x10½ rubbing surface, washboard metal, solid plain, zig-zag, spiral and cable crimps ... Dox **$3.85**

"Silver Monarch"... Dox **$4.25**

"Capitol"... Dox **$5.50**

"The Rising Star"... Doz **$5.50**

W3003—Swing protector top ... Doz **$6.00**



"Big Four Asst"—4 styles, "Silver Monarch," "Brass Monarch," "Diamond" and "Vim" ... Dox **$5.60**

"Brass Monarch"—10¼x11 rubbing surface, solid brass, ... Dox **$6.80**

Plate Glass—Spiral crimp, top cotch soap-saving ... Dox **$6.15**

Metal Drain

"Our Best"—11x12 rubbing ... Dox **$7.35**

Double Surface Zinc—Plain crimp, ... Dox **$10.00**

W1825 ... Dox **$11.25**

Start your order with washboards—then other laundry needs, or any other line of goods—all will reach you promptly in ONE ECONOMICAL SHIPMENT

CHAIR SEATS

3-PLY WOOD VENEER

Ball Top

Birch	1 doz. in pkg.		Imitation Walnut	1 doz. in pkg.	
W1170	Dox	$0.85	W1191	Dox	$0.95
W1171	"	.95	W1192	"	1.05
W1172	"	1.05	W1193	"	1.15
W1173	"	1.15	W1194	"	1.25
W1174	"	1.25	W1195	"	1.35
W1175	"	1.50	W1196	"	1.65
W1176	"	1.65	W1197	"	1.85

Assortment ... Asstd sizes in the ...

Size	12 in.	13 in.	14 in.	15 in.	16 in.	17 x 18 in.
Quantity	18	60	48	54	12	6

W2584— Asstd 150 seats in crate, about 175 lbs. ASST of 150 **$13.00**

Local

Birch	1 doz. in pkg.		Imitation Walnut	1 doz. in pkg.	
W1184		$0.85	W1204		$0.95
W1185		.95	W1205		1.05
W1186		1.05	W1206		1.15
W1187		1.15	W1207		1.25
W1188		1.25	W1208		1.35
W1189		1.35	W1209		1.40
W1190		1.65	W1210		1.65

Round

Birch	1 doz. in pkg.		Imitation Walnut	1 doz. in pkg.	
W1164		$0.85	W2683	Dox	$0.95
W1165		.95	W2684	"	1.10
W1166		1.05	W2685	"	1.15
W1167		1.40	W2686	"	1.35
			W2682	"	1.40
			W2687	"	1.65

EMBOSSED FIBER SEATS

Look like leather seats, imitation biscuit tufts and buttons, embossed borders.

Ball Top Shape

BLACK—1 doz. in pkg.			TAN—1 doz. in pkg.		
		Doz			Doz
W2520B	12 to	$0.66	W2520T	12 to	$0.56
W2521B	13 "	.85	W2521T	13 "	.66
W2522B	14 "	.74	W2522T	14 "	.74
W2524B	15 "	.82	W2523T	15 "	.82
W2524B—16	"	.87	W2524T	16 "	.87

Diner Shape

BLACK	1 doz. in pkg.		TAN—1 doz. in pkg.		
		Doz			Doz
W2510B	12 to	$0.56	W2510T	12 to	$0.56
W2512B	13 "	.65	W2512T	13 "	.65
W2514B	14 "	.74	W2514T	14 "	.74
W2516B—15	"	.82	W2516T—15	"	.82
W2516B—16	"	.87	W2516T—16	"	.87

Assortment

W2579—Black and tan fiber, imitation biscuit tufts, embossed. Diner, ball top and round shapes. Sizes assorted as follows:

Size	12 in.	13 in.	14 in.	15 in.	16 in.
Quantity	14	30	15	9	2

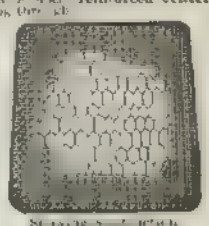
Asstd 60 in carton 25 lbs. ASST of 50 **$3.25**

REINFORCED FIBER

Fine pattern, quality ... layers of fiber reinforced center of woven wire prevents breaking. Dur...

Ball Top

Tan	1 doz. in pkg.		
W2730	12 in.	Doz	$1.13
W2731	13 "	"	1.38
W2732	14 "	"	1.60
W2733	15 "	"	1.78
W2734	16 "	"	1.98



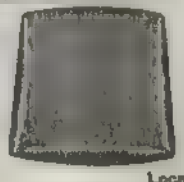
Shows ... of seats

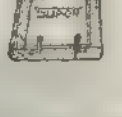
Local

Tan	1 doz. in pkg.		
W2736	13 in.	Doz	$1.13
W2737	14 "	"	1.38
W2738	15 "	"	1.60
W2739	16 "	"	1.78
W2740	17 "	"	1.98

"SLIP-ON" UPHOLSTERED

To attach seat rails hooks slip ... fibre force firmly under ... tools required.





Local Shape

Cloth covered (looks like leather), stuffed with new hair and wool, 3-ply veneer new bottom, slip-on hooks. 1 doz. in ... lbs.

Black			Spanish Brown—		
W2980—12 in.	Dox	$4.25	W2985	Doz	$4.25
W2981—13 "	"	4.40	W2986	"	4.40
W2982—14 "	"	4.55	W2987	"	4.55
W2983—15 "	"	5.15	W2988	"	5.15
W2984—16 "	"	5.65	W2989—16	"	5.65

ASSORTMENT

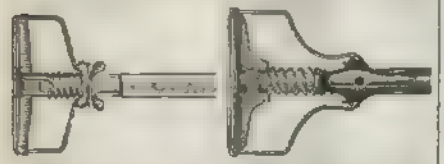
W2996—3 sizes, 12, 13 and 14 in., local shape. ... black cloth covered stuffed with hair and wood, 3-ply veneer bottom, slip-on hooks. 1 doz. in carton 19 lbs. Dox **$4.40**

MOPS and POLISHES

MOP HOLDERS WITH HANDLES

"Arcade"

W1303—Stamped steel head, ex... heavy coil spring and lever, 44½ in. handle. 1 doz. to bdl., 12 lbs. Doz **$1.36**



W1304—Holds mop or wash brush... Doz **$2.25**

W1305—Janitor's ... Doz **$3.25**

MOP HEADS

"Economy"—Heavy linter yarn... Doz **$0.85**

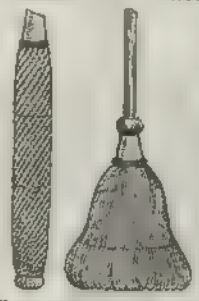
"Pearl"—4-ply twisted white cotton... Doz **$1.95**

FLOOR MOPS—4 Ft. Handles

...Size... Doz
W2321 ... **$4.25**
W2322 ... **5.35**
W2323 ... **6.25**
W2324 ... **8.75**

W1300—Betty Bright," special mop head, turning handle and wringer, mop without wetting hands. ½ doz. in pkg. Doz **$8.00**

W1309 ... 1 doz. in pkg. Doz **$4.00**



W1322—Simplex," ... Doz **$7.25**

W1320—... Doz **$12.00**

W1317—Extra mop head. 1 doz. in pkg. Doz **$2.85**

MOP WRINGERS

"Eagle"... Each in carton. Weight about 12 lbs. Each
W2192—11½ ... **$1.85**
W2192—14 ... **2.10**

"White"—Heavy malleable ... for fastening to pail. Display rack free with orders of 6 or more.
W2189—(Mfrs. 112) 1 in pkg., 5 lbs. Each **$1.95**
W2190—(Mfrs. 114) Extra heavy. 1 in pkg., 10 lbs. Each **$2.45**

The Successful "Chain Store" Advertises with "Loss Leaders"

Do You?
If Not—Why Not?
You Can!!

O-Cedar MOPS, POLISH, WAX Complete With Handles

...except W-6... wash bin, padded metal heads ... Each in lithographed can ...

"O-Cedar" Polish

For ... floors, furniture, automobiles, etc.
W9503—4 oz. bottle, 1 doz. in box ... Doz **$2.40**
W9504—12 oz. bottle, 1 doz. in box ... Doz **$4.80**
W9505—... Doz **$10.00**
W9506—... box. Doz **$2.00**

"O-Cedar" Wax

For cleaning and polishing hardwood floors, automobiles, pianos, etc.
W9515—8 oz. tin ... **$4.00**
W9516—1 lb. tin ... **6.00**

Special 50c Size
W9524—... Doz **$4.00**

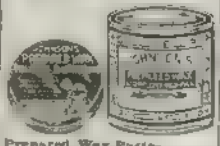
Triangle Shape
Oil Mop—Long white cotton yarn, 54 in. handle. Doz
W9552—... size ... **$6.00**
W9553—... size ... **8.00**
W9554—... size ... **12.00**
Dustless Mop—Dark cotton yarn, 60 in. handle.
W9555—... **$6.00**
W9556—... Doz **$8.00**

Interchangeable, Oval
Oil Mop—White yarn, 54 in. handle. Doz
W9506—$1.25 size ... **$10.00**
W9507—$1.75 size ... **14.00**
Dustless Mop—Orange yarn, 60 in. handle. Doz
W9508—$1... size ... **$10.00**
W9509—$1... size ... **14.00**

JOHNSON'S WAX AND FLOOR OUTFIT

For ... all kinds of floors, woodwork, linoleum, rubber, tile, oilcloth, etc. The ... stimulate and preserve the original ... and produce a beautiful ...

Liquid Wax—Bottles have patented metal cap
W9601—½ pt. 1 doz. in pkg. Doz **$4.00**
W9602—1 pt. 1 doz. in pkg. Doz **$6.00**
W9605—1 qt. ... ½ doz. in pkg. Doz **$11.20**



Prepared Wax Paste—
W9601—... pkg., 1 lbs. Doz **$2.00**
W9605—½ lb. ... pkg., 5 lbs. Doz **$4.00**
W9606—1 lb. ... ½ doz. in pkg., 8 lbs. Doz **$6.80**

Floor Polishing Outfit—Consists of the following items with regular advertised retail prices shown opposite:

	Retail
1 qt. liquid wax	$1.40
Liquid wax polish	.50
Wax paste	.50
Book on home beauty	.25
Total retail value	$2.65

Retailed to the customer as the $2.65 outfit, for $5.00.

W9600—1 pkg. 18 lbs. Each **$3.75**

CEDAR POLISH

Best ... and lowest priced

Black ... For ... W9345—... oz. 1 doz. in pkg. Doz **$0.82**
W9346—... oz. 1 doz. in pkg. Doz **2.00**

DUST AND POLISH MOP

W9715—Good ... white yarn ... Each in yellow ribbon-stamped carton. Doz **$2.95**

"SNOW BIRD" MOPS AND POLISHES Offer Unequaled Values

Take a "Snow Bird" mop and compare it with any other brand. You will find the quality and amount of yarn unequaled. You will find it cut to hug the floor. All metal parts covered to protect the furniture, attractively packed and priced.

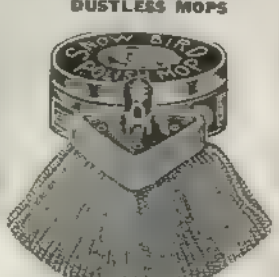
OIL MOPS

Good quality ... Each in yellow ribbon-stamped carton.

50c Leader
Compares with many $1.00 mops.
W9225—... doz. in carton. 15 lbs. Doz **$3.98**

Extra Large
Compares with many $1.50 mops.
W9226—... doz. in carton. 15 lbs. Doz **$6.25**

DUSTLESS MOPS



Good quality ... color cotton yarn, taper cut black enameled metal head, padded sides. For ... die. Each in green and white lithographed tin can.
Compares with many $1.00 mops.
W9787—½ doz. in carton. ... **$4.10**
Compares with many $1.50 mops.
W9786—½ doz. in carton. Doz **$6.60**

COMBINATION MOP AND POLISH SET

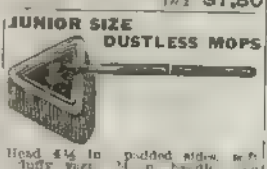
Each of the mops will compare with many that sell at $1.00—you can offer the set at that price.

W9345—Set includes 1 oval mop, 1 oz. mop 2 handles and one 10 oz. can of oil polish. Mops full size, wood ... frames. ½ doz. sets in carton. Doz sets **$8.00**

LONG HANDLE DUST MOP

W9741—... For cleaning ... ceilings. 48 in. ... finish. ½ doz. in ... Doz **$7.80**

JUNIOR SIZE DUSTLESS MOPS



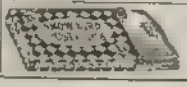
Head 4¼ in. ... fluffy yarn ... 2 in. ... W9744—... Doz **$1.89**
W9741—... Doz **$1.95**

HAND DUSTER

W9780—Fluffy, soft very strong orange ... body of duster full 10 in., 7 in. black lacquered handle, nickeled ferrule. 1 doz. in pkg. Doz **$1.90**

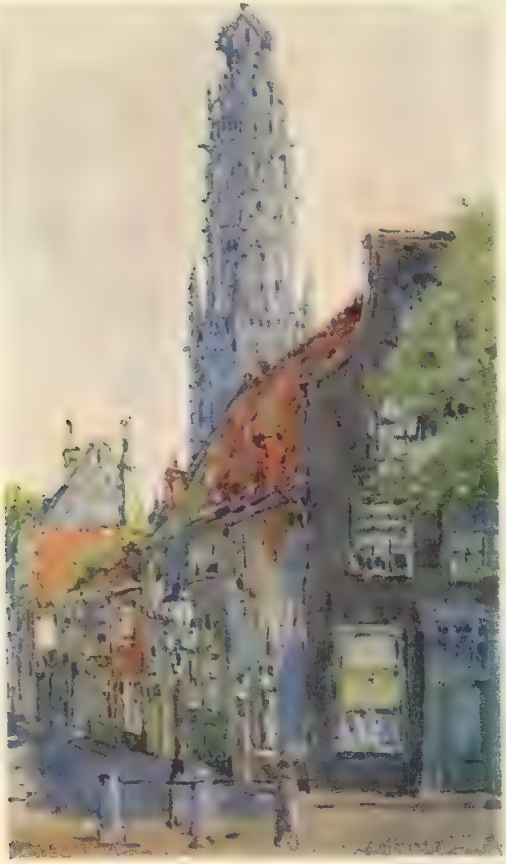
MITTEN DUSTER

W9400—... Doz **$2.10**



"SNOW BIRD" DUST CLOTH

W9720—1 sq. yd. bleached cheese cloth, for all kinds of cleaning and dusting, each in carton. 2 doz. in box. Doz **84c**



Reproduced in four colors
from original water-color
sketch by W. Kat.

Zeese-Wilkinson Co. Inc.
Long Island City, N. Y.

GARAGE EQUIPMENT

WEAVER TRUCK AMBULANCES

Easily applied to rear axle, to which it can be chained, if necessary.

Designed to answer the demand for a quicker, easier and safer means to tow in disabled trucks, busses and other commercial cars, and unusually heavy passenger cars, which on account of their weight and size cannot be handled with the ordinary equipment available. It is needed by every shop servicing commerical cars, including public garages, truck dealers, owners of truck and bus fleets, state and municipal garages, etc. The Ambulance can easily be applied to front or rear axle, as illustrated The saddles are off-set to the side, so that by interchanging them the width between them can be varied from 19¼ to 28¾ inches, and obstructions avoided. Saddles are also off-set to front or rear (depending on position in which yoke is turned) so that the weight of the load can be thrown to the front or rear of the Ambulance axle as the Ambulance is attached to the front or rear axle of the car, to avoid accident in case tongue accidentally becomes disengaged from towing car. Extremely strong and simple in construction. Load is supported by 2½ in. steel dead axle. Each wheel is supported on axle by two sets of heavy ball bearings, which take both radial and thrust strains. The heavy solid rubber double tires are vulcanized to steel rim pressed onto wheel.

No. WB14 Diameter of wheels, 16 inches; width of wheels, 3½ inches; extreme width of Ambulance, 43¾ inches; telescoping pole adjusts from 7 to 13 feet. Shipping weight, 580 lbs. .....Each, **$300.00**

WEAVER AUTO HOISTS

Single Suspension for Light Work

Will give 100 per cent hoisting service in handling either touring cars or limousines both inside and outside of the shop. The Auto Hoist requires only 12 to 16 inches on each side of the car and can thus be operated under very cramped conditions. When not in use it can be run astride a car, thus occupying practically no more space than the car itself.

The frame of the hoist can easily be elevated by its own power, from 7 feet 6 inches to 9 feet 2 inches. Sufficient elevation is thus afforded to handle limousines without difficulty. The minimum elevation allows the hoist to be run through the average garage door and handle work outside of the shop. The worm drive mechanism makes it impossible to release the load accidentally. Light work can best be handled by a single chain over the center roller; heavy work, by two chains over corners of frame; capacity, 3,000 primarily of 5-inch channel steel.

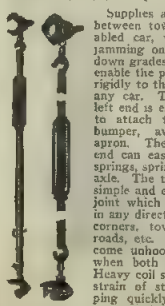
No. 464-WG10 Shipping weight, 577 lbs. . . . . .Each, **$120.00**

WEAVER TRUCK HOISTS

For truck use the Weaver Truck Hoist is recommended. It is heavily constructed of I-beam stock. It also has compound lifting leverage; capacity, single suspension, 4,000 pounds; double suspension, 6,000 pounds.

No. 464-WG11 Width between frames, 8 feet 4 inches; height, minimum, 8 feet 4 inches, maximum 10 feet. Shipping weight, 294 lbs. .....Each, **$30.00**

MODEL D WEAVER TOWING POLES



Supplies a rigid connection between towing car and disabled car, which prevents jamming on sudden stops or down grades The two clamps enable the pole to be clamped rigidly to the front or rear of any car. The clamp on the left end is especially designed to attach to front axle or bumper, avoiding splash apron. The clamp on right end can easily be applied to springs, spring shackle or rear axle. The two hooks form a simple and effective universal joint which allow ample play in any direction when turning corners, towing over rough roads, etc. They cannot become unhooked in towing when both are fastened. Heavy coil springs absorb the strain of starting and stopping quickly and in towing over rough roads. Pole is of double strength steel tubing in two sections, one telescoping within the other.

No. WC10 Length of pole, adjustable 5 feet 6 inches to 8 feet. Shipping weight, 45 lbs. .....Each, **$15.00**

WEAVER SERVICE RACKS

Running Boards on Each Side of Rack

Furnishes an easy, safe means for elevating cars to a convenient height for crank case service, lubrication, inspection, etc.

Lower ends of incline are spread, allowing wheels to enter easily. Sides of treads are high and curled over to prevent damage to tires. End bumpers are amply high to prevent accident.

The gate, an exclusive feature, provides a quicker and unobstructed way for workman to get under car. Rack can be assembled to locate gate on either side. When open, end of gate forms stop that prevents car from backing off accidentally. When closed, the gate locks automatically.

Pressed steel running boards are located on each side for the convenience of the mechanic

Extra incline to permit car to be driven forward off rack can easily be attached by unbolting bumpers.

Constructed of pressed steel, securely riveted to cross members and braced to insure rigidity

No. WL10 Length of horizontal treads, 14 feet; length inclined treads, 12 feet; height, 26 inches. Shipping weight, 900 lbs. . . . . .Each, **$105.00**

EXTRA INCLINES

No. WL11 Length, 12 feet. Shipping weight, 294 lbs. .....Each, **$30.00**

WEAVER VALVELESS BUCKET PUMPS

Is a great time and labor saver in handling lubricants in the garage because of the following three distinct methods of operation possible, an exclusive feature

(1) Lubricant can be forced out of bucket pump and into differential, transmission housing, etc. (2) Old grease or oil can be sucked out. (3) Cylinder of bucket pump can be sucked full of lubricant from different container and discharged without disturbing contents of pump

Thus old lubricant can be drawn from differential, oil pumped into clean gears and drawn out and differential filled with new lubricant while customer waits.

Bucket pump can be conveniently operated from cramped position by auxiliary handle, or from standing position by plunger. Self-measuring. One cylinder full of lubricant weighs 1 pound. Ten full strokes lever handle discharge one quart. Flexible metal hose reaches any opening and is impervious to grease.

No. WE10 Capacity, 25 lbs. Shipping weight, 25 lbs. ....Each, **$13.50**

GARAGE EQUIPMENT

MODEL E WEAVER UNIVERSAL TIRE CHANGERS

Goose-Neck for Removing Tires From Wire and Disc Wheels and Solid Rims

Developed to meet the demand for a quick, safe and convenient means for changing tires not only on all types of split and solid detachable rims but also on wire and disc wheels

To remove tire from wire or disc wheel or solid rim, rim is firmly held by expanding jaws against it and using adjustable goose-neck to force tire down off rim. Tires are easily removed from split rims by contracting rim by means of the double handled crank sufficiently to allow tires to be lifted off. Tires are easily remounted by reversing this operation. Changer is shipped set up for use. It requires 42x42 inches floor space.

No. WF10 Tire Changer. Shipping weight, 250 lbs. . . . . Each, **$58.00**

WEAVER RIM ANVILS

Is designed to save time and labor in straightening kinks in rims of every type and size, including wire wheels, which can be handled in either vertical or horizontal position

It can be used to advantage in riveting brake bands. Two hand tools for opening grooves are supplied.

No. WF13 Rim Anvil. Shipping weight, 20 lbs. . . . . Each, **$6.50**

WEAVER MOTOR SERVICE PRESSES

Is designed to supply in one compact unit a convenient means of handling light pressure and straightening work, fitting connecting rod assemblies complete, including aligning, straightening and bronzing, relining brake bands and disc clutches and innumerable other jobs

Specifications

Capacity over one-inch plate, 10 inches. Floor space, 18x22½ inches. Rack and pinion leverage, 40 to 1. Pressure up to 10,000 pounds can be exerted with screw.

No. WD14 Press Complete, with Standard Reliner. Weight, 328 lbs. . . . . Each, **$140.00**

No. WD35 Press Complete, with Ford Transmission Reliner. Weight, 319 lbs. . . . . Each, **$132.00**

No. WD15 With Pressure Plate, Test Block and One Arbor. Weight, 180 lbs. . . . . Each, **$85.00**

No. WD16 Base . . . . . Each, **18.00**

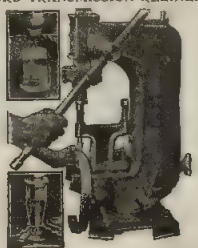
No. WD17 Brake Reliner. . Each, **20.00**

No. WD18 Straightening Fixture. Weight, 31 lbs. . . . . Each, **87.00**

No. WD19 Dial Gauge . . Each, **10.00**

Extra Arbors . . . Each, **5.00**

FORD TRANSMISSION RELINERS



Especially designed for use with Weaver motor service press to reline Ford transmission bands. Reliner has two plungers, one for forcing band down on knife to shear off old rivets and remove old lining, the other to insert split rivets and countersink them into lining.

No. WD32 Transmission Reliner . . . . . Each, **$12.00**

MODEL I WEAVER TIRE SPREADERS

For Balloon and High Pressure Tires

Saves time and labor in locating any break or other injury and enables the repair man to show customers the interior of their tires, which helps sell profitable vicanizing jobs and new tires.

The outstanding feature of the new model is its instantaneous adjustment to handle either balloon or high pressure tires by merely raising or lowering a hand lever.

For inspection, tire is placed on spreader with spreader hooks over beads, the tire resting on four rollers which facilitate revolving tire to inspect new portion. Pressure on foot lever draws rollers down flush with buffing plate and spreads tiré over plate. When break is located, tire can be held permanently spread by four hooks in buffing plate and removed to bench for repairs. Spreader can be moved about shop as desired.

No. WF14 Tire Spreader Model I. Shipping weight, 78 lbs. . . . . Each, **$28.00**

No. WF15 Extra Buffing Plate. . . . . Each, **$3.50**

For High Pressure Tires Only

This tire spreader is similar to WF14 but is built to handle high pressure tires only.

No. WF11 Tire Spreader. Weight, 57 lbs. with extra buffing plates, 72 lbs. . . . . Each, **$22.50**

No. WF12 Extra Buffing Plates. . . . . Each, **$3.00**

CHRISTY SAFETY RAZOR WITH MASSAGE BAR

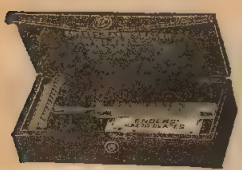
Christy Razors and Blades are made by the makers of the Celebrated Enders Razors and Blades which have enjoyed immense popularity for many years.

The Christy Double-Action Safety Razor is mechanically perfect. The stationary massage bar, exclusive to the Christy, is a wonderful invention. It smooths and draws the skin immediately in advance of the blade edge, giving a taut surface for the blade when it comes in contact with the beard.

No. C325—Christy Double-Action Safety Razor with Stationary massage Bar, contains: highly polished nickel silver head, comb guard with stationary massage bar, handle is made of special steel and is nicely knurled and nickel plated, six Christy Blades, put up in a purple plush lined black leatherette case with glove snap fastener, size of case when closed 1×2×4¾ in., per dozen $17.75

ONE DOZEN IN A CARTON

ENDERS SAFETY RAZORS



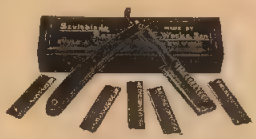
ENDERS—Contains, highly polished nickel silver head and comb guard, handle is made of special steel and is nicely knurled and nickel plated, 6 Enders blades, put up in a purple lined black leatherette case with glove snap fastener, case is nicely stamped in gold with trade-mark, size of case when closed 4¾×1¾×1 in.

No. C800—Per dozen.....$17.75

HALF DOZEN IN A HANDSOME COUNTER DISPLAY CARTON

WECK'S SEXTOBLADE RAZORS AND BLADES

Wonderfully efficient when used either as AN OLD STYLE PLAIN RAZOR without the guard, OR AS A SAFETY RAZOR with the guard. So simple that the most inexperienced can use it successfully; and it offers decided advantages to the experienced self-shaver who knows how to strop his razor and how to keep it in order. An old blade may be removed and a new blade put in place easily and quickly.



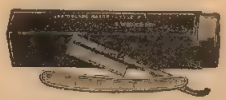
No. C81A—Consists of Sextoblade Razor with heavy Black Rubber Handle; shank, blade holder and removable guard all full nickel plated and highly polished; complete with six blades in a neat leatherette box; retail price $3.00 each, per dozen *$36.00*

No. C82B—Consists of Sextoblade Razor with heavy White Ivory Celluloid Handle; shank, blade holder and removable guard all full nickel plated and highly polished; complete with seven blades in a fine Plush Lined case, covered with Black Leather, size 6½×2¾×1¼ inches; retail price $4.00 each, per dozen *$48.00*

ONE IN A BOX

Consists of Sextoblade Razor with heavy White Ivory Celluloid Handle; shank, blade holder and removable guard all full nickel plated and highly polished; complete with seven blades in a very neat Leather Folding Kit, size closed 6¾×2×¾ in., retail price $4.50 each.

No. C83C—Black Leather Kit, plush lined .....per dozen *$54.00*



No. C86F—Consists of Sextoblade Razor with heavy White Ivory Celluloid Handle; shank, blade holder and removable guard all full nickel plated and highly polished; with six blades; razor and blades fit into compartments of combination cushion razor strop, 1½×6¾ in., with 2 leather surfaces, red side for sharpening, black side for finishing, complete in leatherette covered pasteboard sheath, measuring 1½×1¾×7 in., per dozen $64.00

ONE IN A BOX

Hibbard Hardware for Hard-Wear

Hibbard Hardware for Hard-Wear

Combination Razor and Lather Brush

Ever-Ready

$1 RAZOR
$1 BRUSH
BOTH FOR 99¢

No. G400—Ever-Ready Commodore Combination Razor and Ever-Ready Lather Brush, consists of one Ever-ready New Improved Ever-Ready Safety Razor with fluted handle, highly nickel plated and polished, 2 Ever-Ready Radio blades in polished nickel plated blade sheath, razor and blades are put up in a handsome plush and silk lined Karatol covered case, having the appearance of antique hammered metal, spring hinge cover, one Ever-Ready Lather Brush with 2 in. mixed badger hair bristles set in hard rubber, black hard rubber ferrule, white celluloid handle, full length 4¼ in. The razor is put up in a handsome carton and the brush in a carton with glassine window, per dozen $18.65

ONE IN A CARTON MARKED $1.00 RAZOR AND $1.00 BRUSH FOR 99 CENTS

EVER-READY SAFETY RAZORS

No. G398—Touring—Contains heavily nickel plated and highly polished improved Ever-Ready Razor with new hexagon handle, 2 new improved nickel plated and polished blade containers with 5 Ever-Ready blades. Complete in 3 1/16×2×1 1/16 in. purple and satin lined, highly polished nickel plated dome top metal case with art insignia and clever snap catch. Each razor put up in a flannelette bag, per dozen $17.75

ONE IN A BOX

No. G399—Sport—Cigarette Case Model—Contains heavily nickel plated and highly polished improved Ever-Ready Razor with new hexagon handle, new improved nickel plated and polished blade, container with 5 Ever-Ready blades. Complete in **flat model** 2 7/16×2 1/4×1/4 in. purple plush and satin lined, engine turned, highly polished nickel plated flat case, with art insignia and clever snap catch, each case in a flannelette bag, per dozen $17 75

ONE IN A BOX

THE SHURE WINNER
PRICE LIST

A Toy Very Famous and Noted for its many constructive features, very popular and a very big selling item. The boy or girl can easily construct a copy of your own home or a world famous sky scraper, and many other toys that they can make will entertain and fascinate them. Only the finest materials have gone in the making of this Toy, they are all chemically treated, which makes them absolutely sanitary. All parts beautifully finished in white, gray and red hard baked enamel. No screws, bolts or nuts used. Each set packed nicely in partitioned leatherette covered strong cardboard box.

Contains 70 parts, 14 floors, 26 windows, 10 walls, 10 friction pieces, 10 cornices, 1 balcony. Packed each in box. ½ dozen boxes in package.
No. 50N73.
Per dozen. 7.65

Contains 146 parts, 30 floors, 42 windows, 22 walls, 20 friction pieces, 18 cornices, 2 balconies, 4 doors. Packed each in box.
No. 50N74.
Each 1.24

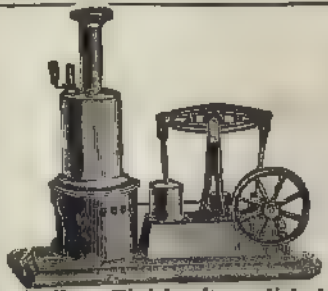
Contains 248 parts, 44 floors, 62 windows, 36 walls, 90 friction pieces, 20 cornices, 3 balconies. Packed each in box.
No. 50N75.
Each 2.20

Contains 331 parts, 70 floors, 90 windows, 32 walls, 100 friction pieces, 33 cornices and 3 balconies. Packed each set in box.
No. 50N76.
Each 3.19

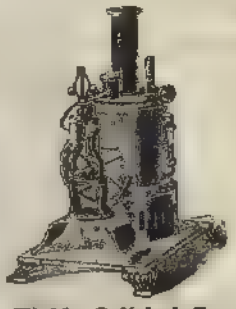
WEEDEN'S TOY STEAM ENGINES—BEST MADE

Blued Steel Boiler, iron fire box and metal base. Balance wheel 1⅝ in. diameter. Brass whistle. Height 11½ inches. Directions enclosed. Packed 1 in box.
No. 82N101.
Per dozen 8.75

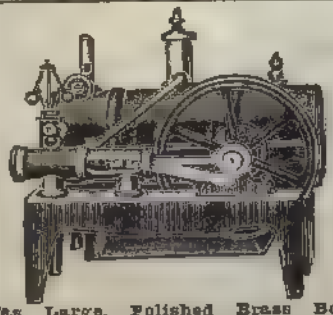
Boiler Finish is Polished Brass, fire box and base of finished steel. Rating Governor. Brass whistle. The balance wheel has turned finished face and the shaft carries a small pulley to which a belt can be attached to run small toys. 8 inches long, 4 inches wide, 10½ high. Each in box.
No. 82N102. Per dozen 18.50
Each 1.50



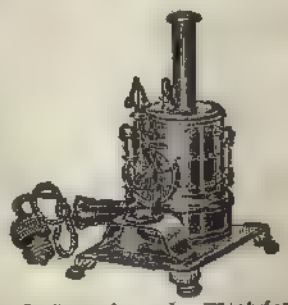
Boiler Finish is polished Blued Steel. Fire box and base of finished sheet metal. The boiler trimmings are brass filler plug and brass whistle. The walking beam, uprights and engine deck are all polished nickel. The balance wheel has turned finished face and the shaft carries a pulley to which a belt can be attached to run small toys. Length 10¼ inches, height 8¾ inches.
No. 82N103. Per dozen.. 24.00
Each 2.10



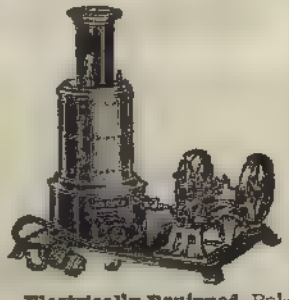
Highly Polished Brass Boiler, blued. Provided with a water glass with brass cocks and can be run either backward or forward. Whistle is brass. Face of balance wheel and base under engine are polished nickel. Height 9 in. Base 6¼x5½ in.
No. 82N104. Each.. 2.60



Has Large, Polished Brass Boiler, trimmed with steam dome, brass whistle, safety valve, water glass with brass cocks and is connected to steam chest on cylinder by brass pipe. Frame is iron. The slide valve, eccentric and connecting rod are heavy sheet brass. Iron balance wheel has polished nickel face. Each in box. Height 6¼ in. Base 6x5¾ in.
No. 82N105. Each 3.50
Same as above but electrically equipped with heating unit and long cord with 2-piece plug for use with any 110 volt A. C. Each in box.
No. 82N106. Each. 6.00



Each Engine is Electrically Equipped. Engine has polished blued brass boiler firmly secured to a cast iron base finished in nickel. Water glass with brass connection. Engine can be run either forward or backward. The cylinder has double action, it pushes and pulls. Brass whistle. The face of the balance wheel and base under the engine are polished nickel. Height 9 in. Base 6¼x5½ in. Each in box.
No. 82N107. Each..... .. 4.65



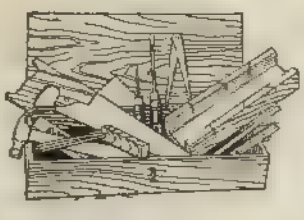
Electrically Equipped. Polished blued brass boiler. Engine is iron. The cylinder is double acting. The inlet of steam is controlled by a brass throttle valve nickel plated. Iron balance wheels, have polished nickel faces and there is a polished nickel jacket on cylinder. Base 10x7 inches. Height 11¾ inches. Each in box.
No. 82N108. Each..... 8.00

Most Tools

"Gilbert" Tool Chests

Best Made

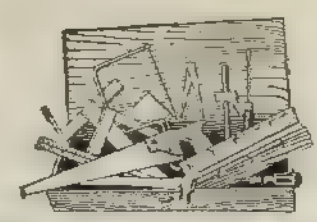
11 Tools



(Mfr's No. 701). **Just the Set for the Little Fellow.** Contains 11 tools, placed complete in stained hardwood cabinet. Size 6⅛x14½x3 inches.

No. 82N30. Per dozen sets .. 7.84

13 Tools



(Mfr's No. 701½). **A Very Practical Set** for the young carpenter that contains 13 tools, packed complete in stained hardwood cabinet. Size 7⅛x17x2½ inches

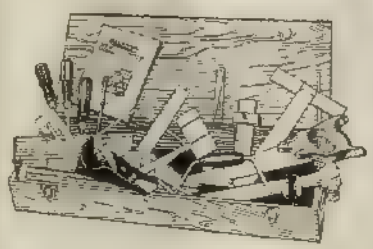
No. 82N36. Per dozen sets.. 11.76

16 Tools

16 Tools, consisting of an assortment that will meet the wants of every young carpenter. Packed in varnished hardwood cabinet with 64 pages Carpentry Manual. Size 7½x17x3¼ inches.

No. 82N31. Per set..... 1.63

19 Tools



(Mfr's No. 707). **A Practical Set** consisting of 19 tools. Packed in stained and varnished hardwood cabinet. Brass side hand grips, suit-case catches and 64 page manual of instructions. Size 21½x8¼x3¼ inches.

No. 82N32. Per set... . . . . 2.45

24 Tools

(Mfr's No. 705). **One of the Gilbert Feature Tool Sets.** Contains 24 high-grade tools, 84 page illustrated Carpentry Manual. Packed in stained and varnished hardwood cabinet with brass side hand grips and suit-case catches. Size 21½x8¼x4⅞ inches.

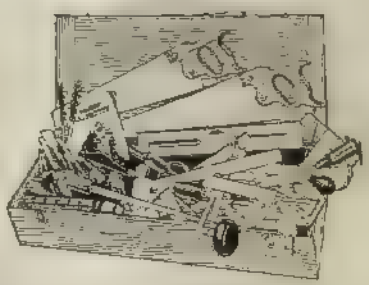
No. 82N33. Per set..... 3.80

32 High Grade Tools

(Mfr's No. 770). **A Complete Carpenters Outfit.** Consisting of 32 high-grade tools. 64 page descriptive and illustrated Carpentry Manual included. All packed in beautiful stained and varnished hardwood cabinet. Chest has separate tray, brass hand grips and suit-case catches.

No. 82N34. Per set..... 6.54

34 Highest Quality Tools



(Mfr's No. 775). **The Greatest of All Gilbert Tool Chest Values.** Packed in beautiful varnished hardwood cabinet with separate tray compartment. Contains an assortment of 34 highest quality tools, 64 page illustrated Carpentry Manual included. A complete equipment. Cabinet has brass hand grips and suit-case catches.

No. 82N35. Per set..... 9.80

TOY MOTION PICTURE MACHINES

KEYSTONE, Rewind Model.

Steel case, baked crystalized enameled finish, nickel trimmings; hardwood base with rubber tabs on bottom to prevent scarring furniture; rewind pulley; polished fly wheel; sprocket barrel with rollers so that film will not come off or tear. Equipment consists of extra large lens tube, with lens adjusting mechanism, and three powerful lenses, including condensing lens, highly polished reflector, one compartment slide, U-draw-em slide, 100 theater tickets, supply of bill posters, officers, ticket takers and operators badges, ushers arm bands and full instructions for operating; 25 feet of standard gauge, non-inflammable film.

Complete with 6 feet of cord and separable attachment plug.

Size pictures 60x72 inches, however by using a larger bulb the machine can be placed further from wall resulting in a larger picture. Each

No. 261—Height 19 ins; length 14¾ ins; width 6¾ ins $33 00

One in carton; wt each 10½ lbs.

FILMS

For Keystone Machines.

Non-inflammable standard gauge 1⅜ inches wide. There is no choice of subject in these films as they are supplied from useo films from the different studios, however each subject is full of action and no two alike. Per Doz

No. 434—Length reel 30 ft; wt per doz 5 lbs $13 50

No. 437—Length reel 50 ft; wt per doz 9 lbs 20 25

One reel in can.

TOY STEAM ENGINES

WEEDEN

UPRIGHT

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold; nickel plated balance wheel, alcohol lamp. Complete with instructions for operating. Per Doz

No. 238—Height 9¼ ins; diam base 3¾ ins; diam balance wheel 2 ins $17 25

One in carton; wt per doz 12 lbs.

UPRIGHT

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold nickel plated balance wheel; brass whistles. Alcohol lamp. Complete with instructions for operating. Per Doz

No. 239—Height 11 ins; diam base 4½ ins; diam balance wheel 2½ ins $27 75

One in carton; wt per doz 15 lbs.

UPRIGHT

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold; nickel plated balance wheel, glass water gauge with brass cocks, safety valve and brass whistle, alcohol lamp. Complete with instructions for operating. Per Doz

No. 144—Height 11¾ ins; diam base 4½ ins; diam balance wheel 2½ ins $36 00

One in carton; wt per doz 15 lbs.

TOY STEAM ENGINES

HORIZONTAL

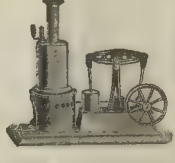
Polished brass boiler with iron fire box, steel base, attractively finished in gray and rich vermilion. Rotating governors; brass whistle. Alcohol lamp. The balance wheel has nickel plated turned finished face and the shaft carries a small pulley to which a belt can be attached to run small toys. Complete with instructions for operating. Per Doz

No. 123—Height 10½ ins; length 8 ins; width 4 ins; diam balance wheel 2½ ins $53 40

One in carton; wt per doz 24 lbs.

WEEDEN

STEAM



Blued steel boiler with iron fire box, sheet steel base, red enameled. The boiler trimmings are brass filler plug and brass whistle, the walking beam uprights and engine deck are all polished nickel. The balance wheel has turned finished face and the shaft carries a pulley to which a belt can be attached to run small toys. Complete with instructions for operating. Alcohol Lamp. Per Doz

No. 138—Height 9¾ ins; length 10¼ ins; width 4½ ins; diam balance wheel 3 ins $78 00

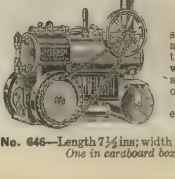
One in carton; wt per doz 36 lbs.

HORIZONTAL

Brass boiler, highly polished, trimmed with steam dome, brass whistle, safety valve and water glass with brass cocks and is connected to steam chest on cylinder by a polished brass pipe, iron frame. The cylinder, steam chest and slide rest are cast in one piece. The slide valve, eccentric and connecting rod are all cut from heavy sheet brass and are fastened securely together. Balance wheel made of iron, polished nickel face; cylinder has polished nickel jacket. Alcohol lamp. Complete with instructions for operating. Per Doz

No. 14—Height 6¼ ins; length 6 ins; width 5¾ ins; diam balance wheel 3 ins $129 00

One in carton; wt per doz 60 lbs



STEAM ROLLERS

Polished brass roller; iron and steel frame, red and black enameled finish, nickel plated trimmings. Water glass fitted with turned brass connections and nuts; brass chain drive; oscillating type cylinder.

Full directions all included in each box. Per Doz

No. 646—Length 7½ ins; width 3¾ ins; height 6¼ ins. $156 00

One in cardboard box; wt per doz 24 lbs

TOY STEAM ENGINES

STEAM TRACTOR

Polished brass boiler, gun metal finish; brass safety valve; nickel plated whistle. Water glass fitted with turned brass connections and nuts; brass chain drive; oscillating type cylinder.

Full directions for operating are included in each box.

One in cardboard box; wt per doz 24 lbs.

Per Doz

No. 645—Length 7½ ins; width 3¾ ins; height 7¼ ins..... $156 00

WEEDEN

STEAM ENGINES

Cast iron base and engine frame, red enameled; large highly polished blued brass boiler, brass whistle and safety valve.

The inlet of steam to cylinder is controlled by a brass nickel plated throttle valve with wood handle. Cylinder, steam chest and slide rest are cast in one piece; slide valve, eccentric and connecting rod are cut from heavy brass and are fastened securely together.

Balance wheels are made of iron with polished nickel faces and jacket on cylinder.

Full directions for operating are included in each box.

Per Doz

No. 49—Size base 10x7 ins; height 11¼ ins..... $189 00

One in carton; wt per doz 90 lbs.

STEAM TRACTORS

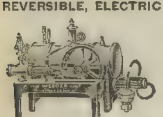
Brass boiler, black nickel finish; slide valve cylinder exhausts through smoke stack. The water glass is finely fitted with brass connections and the other engine fittings are a brass safety valve and seamless brass steam pipe. The eccentric is so constructed that the engine will run either forward or backward. Balance wheel made of iron, polished nickel face. Alcohol lamp. Complete with instructions for operating.

Per Doz

No. 643—Height 11½ ins; length 8½ ins; width 4 ins; diam balance wheel 2½ ins..... $210 00

One in carton; wt per doz 48 lbs.

REVERSIBLE, ELECTRIC HEATED STEAM ENGINES



Cast iron frame, red enameled; large highly polished brass boiler with electric heating unit firmly attached, trimmed with steam dome, brass whistle, safety valve and water glass with brass cocks. The cylinder, steam chest and slide rests are cast in one piece, slide valve, eccentric and connecting rod are cut from heavy sheet brass, securely fastened together. Iron balance wheel with polished nickel face.

Complete with 6 feet of cord with separable attachment plug and instructions for operating. Each

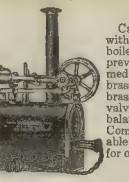
No. 647—Operates on 110 volts, A. C. or D. C., 3.7 amperes; height 6¼ ins; base 6x3¾ ins; diam balance wheel 3⅛ ins..... $18 00

One in carton; wt each 6 lbs

TOY STEAM ENGINES

WEEDEN

REVERSIBLE, ELECTRIC HEATED STEAM ENGINES



Cast iron frame; large brass boiler with electric heating unit firmly attached, boiler enclosed in blued steel jacket to prevent loss of heat by radiation, trimmed with safety valve brass whistle, brass throttle valve and water glass with brass cocks, all elbows, unions, pipes and valves are of polished nickel. Iron balance wheel with polished nickel face. Complete with 6 feet of cord with separable attachment plug and instructions for operating.

Each

No. 649—Operates on 110 volts, A. C. or D. C., 3.7 amperes; height over all 15¼ ins; length 8 ins; width 4¼ ins; diam balance wheel 4¼ ins..... $30 00

One in carton; wt each 8 lbs.

TINKER TOYS

BUILDER

Finest New England white Birch. Each set is composed of smooth, round sticks and thick spools with eight holes each around the edge and one hole in the center. A book of simple instructions also comes with each set, enabling even the younger children to develop remarkable models easily.

Each set put up in a strong, laminated mailing tube.

Per Doz

No. 75—Size tube 3x12 ins..... 19 50 *$9 00*

One doz in carton; wt per doz 14 lbs.

TINKER BEADS

In Screw Top Glass Jars.

Hardwood; assorted sizes and colors; complete with polished cord and safety needle for stringing.

Per Doz

No. 135—Jar contains 28 beads, making string 22 ins long; wt per doz 7 lbs..... 6 45

One doz jars in carton. $3 00

TINKER JUMP ROPE

Genuine interwoven sash cord on which are strung 21, one inch oval beads, stained and polished, each separately pinned through rope. Hardwood polished hand grips.

Per Doz

No. 200—Length over all 6½ ft..... 12 75

$6 00

One doz in carton; wt per doz 3½ lbs.

Here's a Bargain That Should Interest Each and Every Dealer

A Genuine First Quality American Alarm Clock at a Price Away Below the Market

Made by one of the oldest and best clock factories in this country.. FIRST CLASS! ACCURATE! GUARANTEED!

Use this clock as a leader to stimulate trade. THE WAR TAX ON ALARM CLOCKS HAS BEEN ABOLISHED.

No. C6395 COMET—Nickel plated case with metal with back 3⅝ in. Arabic dial, height 6 in., one day movement, top bell alarm with shut off switch....per dozen $19.20

ONE IN A BOX, 50 IN A CASE. W'T PER CASE 66 LBS.

BIGGEST VALUE ON THE MARKET

Made by the Waterbury Clock Co., one of the oldest and best American Clock factories making quality clocks. These clocks are all first quality brand new goods in every respect, are accurate timekeepers and fully guaranteed.

No. C9480 THRIFT—Nickel plated case, 4 in. Arabic dial, top bell, height 6 in., one day movement.....per dozen $19.20

ONE IN A BOX, 50 IN A CASE. W'T PER CASE 66 LBS.

Big Ben Westclox Big Ben

BIG BEN ALARM CLOCKS

Big Ben is out with another Alarm Clock improvement, viz., dust guards at every case-opening to protect the movement from dust and dirt. The Westclox movement keeps excellent time and runs for 36 hours on one winding. Big Ben is 6 times factory tested.

No. C901—Big Ben, 4½ in. white dial, with Arabic figures. Height 7 in., heavy brass case, richly plated and polished. Rings steadily for 5 minutes, or intermittently at half-minute intervals for 10 minutes on a deep toned gong. Has handy shut-off switch. W't per doz. for shipment 28 lbs.....per dozen $59.70

The numerals and hands are coated with a radium compound that holds its glow for years, the hands are broad and distinctive, the size, shape and spacing of the numerals makes it one of the best luminous dial clocks on the market.

No. C902—Big Ben, 4½ in. luminous dial, height 7 in., heavy brass case, richly nickel plated and polished. Rings steadily for 5 minutes, or intermittently at half-minute intervals for 10 minutes on a deep toned gong. Has handy shut-off switch. W't per doz. for shipment 28 lbs.....per dozen $82.65

ONE IN A HANDSOME PASTEBOARD BOX. ONE DOZEN IN A CARTON, 4 DOZEN IN A CASE. WT PER CASE 139 LBS.

Baby Ben

BABY BEN ALARM CLOCKS

Is a dead ringer for Big Ben in everything but size. Baby Ben stands half as tall and half as broad as Big Ben, and has the same shut-off switch, the same Alarm combination, the same attractive design and quick selling habits. Immensely popular for traveling purposes.

Baby Ben

No. C903—Baby Ben, 2½ in. white dial, height 3¾ in., heavy brass case, richly nickel plated and polished. Rings intermittently or steady, has easily operated switches. W't per doz. 12 lbs.....per dozen $59.70

The numerals and hands are coated with a radium compound that holds its glow for years. The Arabic numerals and hands are especially designed to make same very easily read at night-time within a few feet distance.

No. C904—Baby Ben, 2½ in. radium dial, height 3¾ in., heavy brass case, richly nickel plated and polished. Rings intermittently or steady, has easily operated switches. W't per doz. 12 lbs.....per dozen $82.65

ONE IN A BOX. 48 IN A CASE. WT PER CASE 61 LBS.

WESTCLOX ALARM CLOCKS

On all orders for "WESTCLOX" either all one kind or assorted when shipped direct from the factory at LA SALLE, ILLINOIS, full freight will be allowed when weight is 100 lbs. or more.

IMPORTANT NOTICE—The unit shipment for each clock must be in even dozen lots; or assorted plain and luminous of the same design, such as 6 Blue Bird and 6 Black Bird or 6 Sceptre and 6 Jack O Lantern or 6 Big Ben Plain and 6 Big Ben Luminous or 6 Baby Ben Plain and 6 Baby Ben Luminous. No Other Exceptions—Factory insists upon these dozen units to keep down the cost of packing—otherwise they will be obliged to make a charge for packing costs.

No freight allowance on shipments weighing less than 100 lbs. when shipped direct from factory. No freight allowance on clocks shipped from our stock. All Clocks shipped from our stock are F. O. B. Chicago.

It is permissible to assort No. 901, 902 or 903 and 904 to obtain quantity price.

Westclox

MADE BY WESTCLOX

No. C905—America, height 6¾ in., 4 in. dial with alarm indicator, nickel plated tin case, knurled front, hard steel pinion and pivots, fine hard steel lever escapement, 1 day movement, continuous alarm, rings loud and clear, nickel plated bell, brass shut-off switch, w't per doz. 12 lbs .....per dozen $27.45

ONE IN A BOX; FORTY-EIGHT IN A CASE, W'T 75 LBS.

MADE BY WESTCLOX

Blue Bird. A novel, artistic top ring whose outline blends smoothly into that of the unusual, double dome bell; a highly polished, drawn brass case whose front rounds gracefully to hold the glass, legs form a part of the attractive case outline, the dial has clear cut numerals of rugged character. Runs 30 hours with one winding and thoroughly time tested. Has shut-off switch.

No. C906—Blue Bird, height 6 in., idal 3½ in., w't per doz. 14 lbs., per dozen $32.00

ONE IN A BOX, 48 IN A CASE, W'T PER CASE 68 LBS.

MADE BY WESTCLOX

No. C908—Sleepmeter, height 5¾ inches, width 4 in., dial 3¾ in., seamless brass case, nickel plated, 3¾ in. bell metal gong on back, 1 day movement, continuous alarm with shut-off switch, w't per doz. 18 lbs., per dozen $36.50

ONE IN A BOX; FORTY-EIGHT IN A CASE, SHIPPING W'T 92 LBS.

MADE BY WESTCLOX

Black Bird is identical with the Blue Bird excepting that the hands and numerals are coated with a radium substance to tell the time in the dark.

No. C907—Black Bird, height 6 in. dial 3½ in., solid drawn brass case, heavily nickel plated and highly polished, 1 day movement, double dome bell, continuous alarm with shut-off switch, w't per dozen 14 lbs. .....per dozen $45.85

ONE IN A BOX. 48 IN A CASE. WEIGHT PER CASE. 68 LBS.

MADE BY WESTCLOX

Tells the time in the dark and in the daylight. Distinctive brass case heavily nickel plated. Height 5 in., 4 in. black dial with luminous numerals. 1 day movement, loud steady alarm with shut-off switch. Keeps good time.

No. C909—Jack O'Lantern, w't per doz. 19 lbs. ..per dozen $54.90

ONE IN AN ATTRACTIVE BOX FORTY-EIGHT IN A CASE.

"Westclox Alarm" Clocks.

On all orders for "WESTCLOX" either all one kind or assorted when shipped direct from the factory at LaSalle, Ill., FULL FREIGHT WILL BE ALLOWED WHEN WEIGHT IS 100 LBS. OR MORE.

IMPORTANT NOTICE—The unit shipment for each clock must be in even dozen lots; or assorted plain and luminous of the same design, such as 6 Blue Bird and 6 Black Bird or 6 Sleepmeter and 6 Jack O'Lantern or 6 Big Ben Plain and 6 Big Ben Luminous or 6 Baby Ben Plain and 6 Baby Ben Luminous—NO OTHER EXCEPTIONS—Factory insists upon these dozen units to keep down the cost of packing—otherwise they will be obliged to make a charge for packing costs.

NO FREIGHT ALLOWANCE on shipments weighing less than 100 lbs when shipped direct from factory.

NO FREIGHT ALLOWANCE on clocks shipped from our stock. All clocks shipped from our stock are F. O. B Chicago.

It is permissible to assort BLACK BIRD AND BLUE BIRD OR SLEEPMETER and JACK-O'LANTERN CLOCKS TO OBTAIN QUANTITY PRICE; BALANCE OF CLOCKS CANNOT BE ASSORTED SO AS TO OBTAIN QUANTITY PRICE.

NEW WESTCLOX BEN HUR ALARM CLOCKS

Ben Hur, the newest Westclox, is an Alarm of handsome design, combining Standard Westclox timekeeping with beauty and sturdiness, and carries a designing feature that makes it hard to tip same over. Will grace any room in the house.

No. C910

No. C911

Height 4⅛ in., width at base 4⅛ in., 4 in. Special dial that blends into the other perfectly symmetrical lines. Highly polished nickel plated brass Case. 32 hour movement, concealed gong, steady alarm, shut-off switch in back.

No. C910—BEN HUR, White Dial...per dozen $46.90

No. C911—BEN HUR, Luminous Dial,
per dozen 65.60

ONE IN A BOX, TWO DOZEN IN A CASE. SHIPPING WT PER DOZ. 22 LBS., PER CASE 49 LBS.

WESTCLOX COUNTER DISPLAY CASE

Dealers Can Double Their Westclox Sales with Very Little Trouble and Trifling Expense by Installing a Westclox Department

Occupies less than a sq. ft. of space on dealers show case counter or window.

Will more than pay for itself in increased sales the first three months dealer puts same in use.

The ideal method of selling Westclox.

A Silent Salesman that does "HIS STUFF" while dealer is occupied in another direction.

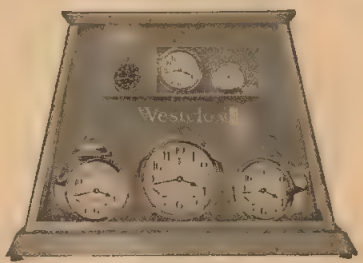
To display Alarm Clocks is to sell them.

Alarm clocks are not easy to display. Too often they get in the corner of case or under the counter where they are not seen.

This attractive case gets them out where people see them, consequently, twice as many people buy Westclox than ever have before.

This case is offered at about one-half its actual cost.

It Is Not Necessary to Purchase Any Particular Assortment of Clocks to Secure Same at the Price Named



FOR FACTORY SHIPMENT—CHARGES PREPAID

No. F0300—Display Case, made of pressed steel in Beige Duco finish. Glass front and sizes. Hinged metal door with latch on back of case. Has metal shelf with ingenious rests to hold two watches. Size 7x19½x13¾ in.,★ each $6.65

Will display four Westclox and two Watches

ONE IN A CARTON. CHARGES PAID DIRECT FROM FACTORY

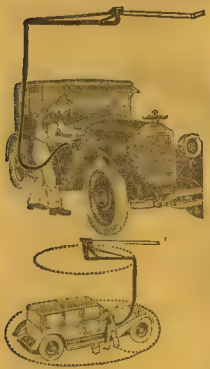
★Items Marked Thus ★ Are Shipped From Factory Only

OHB
Our Very Best for Fifty Years Has Stood the Test

Hibbard Hardware for Hard-Wear

OHB
Our Very Best Is The Very Best

OVERHEAD WASHERS



PEORIA

Cast iron base, parts of head high grade machine turned brass; ⅜ inch cold drawn steel brace malleable iron follow brace arm; ¼ inch standard galvanized iron seamless pipe; three layers of lubricated flax packing on the swivel.

Easily pulled into position, the swivel functions perfectly describing a ten foot circle giving ample clearance for the largest cars.

	Each
No. A-880W—Wt each 25 lbs ..	✣ 30 00
One in crate.	*$12 50*

CAR WASHER WATER VALVES

ROMORT

Solid bronze castings and brass working parts. Automatic self-closing handle valve, equipped with rubber diaphragm to prevent leakage. The spray adjustment consists of deflector attached to nozzle and adjustable to throw either a single stream or a spray.

Detachable, ¾ inch male nozzle threaded for hose couplings Complete with standard stem for inserting into ¾ inch hose.

	Each
No. A-3W—Wt each 16 ozs.	7 35
25 in carton.	*$3 00*

CAR WASHER'S APRONS

Rubber.

Finest weave drill cloth heavily coated with pure live black rubber vulcanized into the fabric. Satisfactory protection to clothes from water is insured by the double coating on outside and single coating on reverse side. Fitted with four brass eyelets for tie strings.

	Each
No. A-35—Width 34 ins; length 46 ins..	$5 25
One doz in carton; wt each 2¼ lbs.	

✣F. O. B. Illinois Factory Only.

GASOLINE OUTFITS

WESTERN VISIBLE DISPENSING UNIT

Visible Glass Cylinder of heavy flint glass; can be furnished with 10 gallon container, the figures being in bright red with indicating arrows in black outlined in red. Inside the container are the fill, overflow and return pipes, all 1¼ inch. All pipes and casting inside container are finished in a pure white gasoline resisting paint.

Cabinet—The cabinet or pump housing is built of sheet steel, made in two parts making it a simple matter to take down should this be necessary. A swing door fitted with brass padlock allows access to parts. Door is fitted with slotted opening to receive discharge end of hose which is locked inside of pump.

Hose and Filling Nozzle—10 foot of 1¼ inch metal hose, rubber and cotton covered, having adjustable brass couplings.

Shut Off Cock—The shut-off cock is located at outlet point of pump.

Electric Lamp—12 inch canteen shaped, semi-indestructible globe, the word Gasoline being etched into the glass. One socket is located on top of pump for light globe and two on sides of glass container, all sockets are made of weather-proof fibre.

Finish—Cabinet is finished in bright vermillion and black, treated with a finishing coat of highest grade of clear spar varnish.

Dimensions of Pumps—Height 10 feet 4 inches, base casting 20 inches square, shipping weight 475 pounds.

With 12 Gauge Tanks.

Nos.	Capacity Bbls	Gals	Wt Lbs	Each
A-13512-2	2	120	700	✣$ 855 00
A-13512-3	3	170	780	✣ 900 00
A-13512-4	4	220	820	✣ 945 00
A-13512-5	5	280	860	✣ 990 00
A-13512-7	7	390	980	✣ 1080 00
A-13512-9	9	500	1100	✣ 1170 00
A-13512-10	10	550	1160	✣ 1200 00
A-13512-15	15	800	1230	✣ 1350 00
A-13512-18	18	1000	1380	✣ 1440 00
A-13512-20	20	1100	1450	✣ 1616 00

With 14 Gauge Tanks.

Nos.	Capacity Bbls	Gals	Wt Lbs	Each
A-13514-2	2	120	640	✣$ 825 00
A-13514-3	3	170	690	✣ 858 00
A-13514-4	4	220	760	✣ 900 00
A-13514-5	5	280	800	✣ 930 00
A-13514-7	7	390	900	✣ 990 00
A-13514-9	9	500	1000	✣ 1065 00
A-13514-10	10	550	1050	✣ 1125 00

PUMPS ONLY

	Each
No. A-135H05—Hand operated, 5 gal container	✣$690 00
No. A-135P5—Air pressure, 5 gal container	✣ 690 00
No. A-135H010—Hand operated 10 gal container	✣ 750 00
No. A-135P10—Air pressure, 10 gal container	✣ 750 00
No. A-135H015—Hand operated ,15 gal container	✣ 825 00
No. A-135P15—Air pressure, 15 gal container	✣ 825 00

✣F. O. B. Missouri Factory Only.

Courtesy—American Gas & Electric Co.

120 Screen, Four-Color Process Plates, Black and Red Plates Wax Engraved

SECTION OF BIRDSEYE MAP

ENGRAVED BY
The Universal Engraving & Colorplate Company, Inc.
CLEVELAND AND BUFFALO

PRINTED BY
The Whitney-Graham Company, Inc.
BUFFALO AND NEW YORK CITY

WINDOW DISPLAYS

SAFETY MATCHES

KEY HOLDER

PAPER WEIGHT

Courtesy National Lamp Works of General Electric Company, Cleveland, Ohio
133 Screen. Reproductions from Black and White Copies by the Four-Color Process

NATIONAL MAZDA LAMP ADVERTISEMENTS

ENGRAVED BY
The Universal Engraving & Colorplate Company, Inc.
Cleveland and Buffalo

PRINTED BY
The Whitney-Graham Company, Inc.
Buffalo and New York City

Charm—for herself and her home

His dress is from a pattern illustrated in this very issue of Butterick Modash, dashing, yet classic and inexpensively made on the White Rotary Electric with the White Course in Sewing and Dress Creation at your disposal. And the same opportunity for making beautiful, individual creations is yours. Every detail from cutting out to the finished garment is explained in the White Course in Sewing and Dress Creation, and the White Rotary Electric does all the professional home sewing, simply and easily. Your local White representative will be glad to demonstrate the White Rotary in your home and explain to you how extremely easy it is to become skilled in the making of your own clothes. The White Sewing Machine Company, Cleveland, Ohio

White
Rotary Electric
Sewing Machines

SINCE 1876 ~ THE SERVANT OF THE WELL-DRESSED WOMAN

Courtesy of The White Sewing Machine Co.

Prepared by The John S. King Co., Inc

133 Screen Four Color Process Plates

A NATIONAL MAGAZINE ADVERTISEMENT

Reproduced from one Oil painting, one Water Color drawing, one photograph, four Pen drawings and proof of type. All negatives stripped and surprinted into position

Engraved by THE UNIVERSAL ENGRAVING & COLORPLATE COMPANY, CLEVELAND

Courtesy of Whiting & Davis Company — *133 Screen Four Color Process Plates*

HOW HANDBAGS ARE SOLD

Reproduced direct from the object posed in the Photo-Engraver's Gallery. A remarkable rendering

Engraved by DONOVAN & SULLIVAN ENGRAVING COMPANY, BOSTON

Courtesy of Whiting & Davis Co. *133 Screen Halftone*

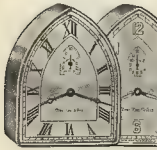
AN EXCELLENT HANDBAG ILLUSTRATION

Halftone made direct from the Colored Handbag

Engraved by HARVARD ENGRAVING COMPANY, BOSTON

True Time Tellers

New Type Alarms



Each

C2982—YRJE TIME TELLER JUNIOR ALARM—A beautiful Gothic design has made this clock a favorite where a more handsome type has been preferred to the original style alarm clock. Height, 3¾ inches, width, 2¾ inches. Fitted with full sized gold dial with Roman numerals. 42 hour movement, back bell alarm. Rosset bronze case. Convex glass 3.60

Each

C2983—TRUE TIME TELLER—Junior alarm with radiolite face. Arabic figures 6.40

Square Tell-Tale

Each

C2980—TRUE TIME TELLERS—Square tell tale alarm. A handsome compact alarm that will harmonize with any type of furniture. 3¾ inches square. Convex glass. 2¼-inch dial with gold bronze face. Open skeleton hands. 42 hour movement. Black bell alarm 2.90

Each

C2981 TRUE TIME TELLER—Square alarm with radium dial 4.10

Imported Kitchen Clocks

These beautiful Dutch clocks are especially adapted for decoration in the small dining room or may be used to make the kitchen wall more attractive. They are well made, good time keepers that look for all the world like a Dutch plate which has been transformed into a clock.

Each

C2918—IMPORTED KITCHEN WALL CLOCK—Delft blue, porcelain plate clock 8 inches in diameter. Eight-day pendulum time movement 6.00

Each

C2920—IMPORTED KITCHEN WALL CLOCK—Porcelain plate with blue and white decoration. Eight-day pendulum movement. Size, 9¼x8¾ inches 6.80

Erie Clock

P7630—ERIE CLOCK—Solid golden oak case. Reliable pendulum movement. 8-day time. Height 26½ inches; width 18½ inches, dial, 12 inches 13.40

Referee Clock

P7529—REFEREE CLOCK—Solid oak case. 8-day pendulum time movement. Height 18 inches; width, 15 inches, dial, 12 inches in diameter 14.80

Banjo Clock

Each

P7536—WHITNEY CLOCK—Mahogany finish case, silver dial; 8-day pendulum movement. Height, 38½ inches, width, 13⅝ inches and dial 6 inches in diameter 22.80

P7537—WHITNEY CLOCK WITH GONG STRIKE 24.80

Bungalow Clock

P7824—BUNGALOW CLOCK—Seven 12-day lever movement. Especially designed for the kitchenette, bathroom or any room where a mantel clock is not practical. Also suitable for bungalows. The case is white enamel finish. Has a high grade silver finished dial and convex glass. Height, 7¼ inches, width, 7¼ inches; silver dial 5½ inches in diameter 11.00

Library and School-Room Clocks

LEVER WALL CLOCK—Finished in solid golden oak mahogany. 12-day lever movement (no pendulum). Clock does not have to hang straight, but will run in any position.

Each

P7825—8 inch dial 11.80

P7826—10 inch dial 12.50

BALCONY CLOCK—Solid oak or mahogany cast. Fitted with reliable eight-day pendulum time movement. Height 15 inches width, 13 inches.

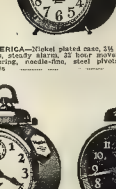
P7828—10-inch d al 12.90

Each

P7527—DROP OCTAGON CLOCK—Solid oak case. Eight-day pendulum time movement. Height 18 inches, width, 15½ inches, and dial, 12 inches 11.50

Alarm Clocks

C2909—THRIFT—Nickel plated case; Arabic numerals; steady alarm, dome topped bell. Height, 6¾ inches, width, 4¾ inches, dial 4 inches in diameter ..... Each 1.60



C2913—AMERICA—Nickel plated case, 2½ inch Arabic numerals, steady alarm, 31 hour movement, rust-proof spring, needle-fine, steel pivots. Height, 6¼ inches ..... Each 2.10

C2914—BLUE BIRD—Seamless brass case, heavily nickel plated, highly polished, 30 hour movement, 2½ inch Arabic dial, bridged time barrel making it easy to replace time spring. Double dome top bell, steady alarm ..... Each 2.44

C2915—BLACK BIRD—Seamless brass case, heavily nickel plated, highly polished 30 hour movement, 2½ inch Arabic dial, radium compound hands and numerals. Double dome top bell, steady alarm 3.32

Ben Hur Alarm Clocks

C2921 C2922

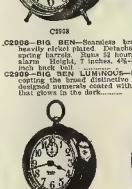
Tip Proof, Nickel Plated, Self Contained Alarm

The new Ben Hur alarm, being backed by a monster advertising campaign, is going to sell fast.

Ben Hur is a handsome practical alarm clock, a new achievement in the field of time-keeping. Its beauty of design makes it harmonize with the most handsome furniture. Ben Hur looks well in any part of the home. It is an alarm but also makes an ideal clock for the mantel, library, kitchen or the business desk. This is a valuable selling point for the retail salesman.

Ben Hur is 4½ inches in height with a 32 hour movement. Handsome nickeled case and base. All levers and keys are mounted on back of clock, out of sight.

	Each
C2921 Ben Hur, plain dial	3.32
C2922—Ben Hur, luminous dial	4 92



C2938 C2939

C2908—BIG BEN—Seamless brass dustproof case, heavily nickel plated. Detachable alarm and main-spring barrels. Same 32 hours steady or repeat alarm. Height, 7 inches, 4¾-inch white dial. 4¾-inch Arabic figures ..... Each 4.88

C2909—BIG BEN LUMINOUS—Same as C2908, except-ing the broad distinctive bands and specially designed numerals coated with a radium compound that glows in the dark 6.32

C2910 C2911

C2910—BABY BEN—A seamless brass dustproof case, heavily nickel-plated. Detachable alarm and main-spring barrels. Steady and intermittent alarm. Miniature reproduction of BIG BEN. Height, 3¾ inches. Depth 1¾ inches. 2¼-inch dial 4.88

C2911—BABY BEN LUMINOUS—Broad, distinctive hands, specially designed numerals coated with a radium compound that glows in the dark, 2¼ -inch dial. Seamless brass case, heavily nickel-plated. Detachable alarm and main-spring barrels. Runs 32 hours. Steady and intermittent alarm. Miniature reproduction of BIG BEN LUMINOUS. Height, 3¾ inches, depth, 1¾ inches 6.32

Octagonal Alarm Clocks

C2901

C2902—TOM TOM—White dial, one-day intermittent alarm, with improved 40 hour movement, heavy nickel plated brass octagon case, back bell and a loud and long alarm; height, 5¾ in., width, 5 in., diam., 4¼ in., convex glass 4.32

C2905

C2905—TOM TOM RADIOLITE—Black dial, one day intermittent alarm with improved 40 hour movement, heavy nickel plated brass octagon case, black bell and a loud and long alarm; height, 6¼ inches, width, 5 inches, 4 inches in diameter; convex glass 5.80

C2903 C2904

C2903—TIDY TOT—WHITE DIAL—One day intermittent alarm, small size, octagon nickel case, height 2¾ in., width 2¾ in., convex glass 4.80

C2904—TIDY TOT RADIUM DIAL—Same as above, except has a full radium dial 5.80

Eight-Day Alarm

C2913

C2913—SLEEP METER—Seamless drawn brass case, heavily nickel-plated. Novel roll front, 2½ inch Arabic dial, 2½ inch back gong, 31-hour movement, detachable time barrel and steady alarm. One in a box, 12 boxes in a carton ..... Each 2.80

C2918

C2918—JACK O'LANTERN LUMINOUS—Seamless drawn brass case, heavily nickel-plated. Novel roll front, 2½-inch Arabic dial, radium compound coated hands and numerals, easily read in the dark. 2½-inch back gong, 32 hour movement. Detachable time barrel, steady alarm ..... Each 4.20

C2906

C2906—T-TAN 8-DAY ALARM—It ins and alarms for 8 days with one winding. Height, 7½ inches, width, 5 inches, dial, Arabic figures, 3½ inches. Case, heavy nickel plated. The alarm is loud and clear tone. It rings until it is stopped. The pioneer 8-day automatic alarm ..... Each 8.16

C2907

C2907—T I - T A N AUTOMATIC 8-DAY ALARM—Full radium black dial. Runs and alarms eight days. Requires no night attention, as the alarm automatically "sets" itself every 24 hrs. Height, 6¼ inches ..... Each 9.50

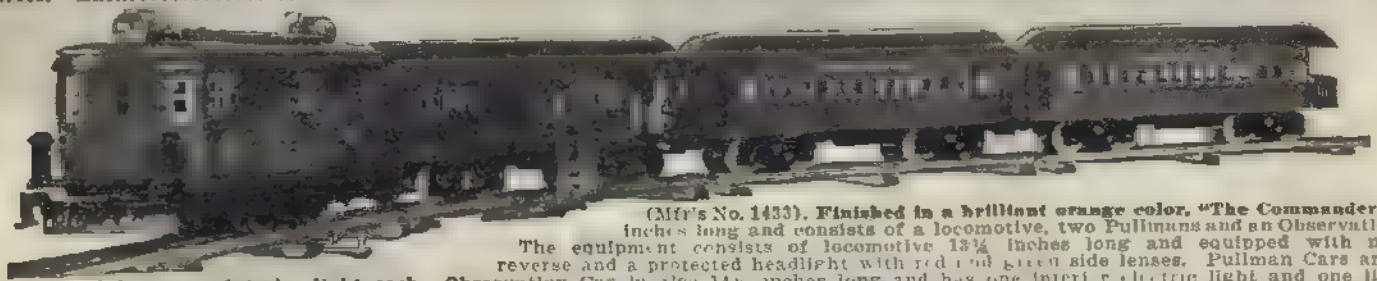
(Mfr's No. 1422). **This train is finished in brilliant** thistle green with red and black trimmings. The equipment consists of the locomotive 13¾ inches long, and is equipped with manual reverse and a protected headlight with red and green side lenses. The Pullman car is 14½ inches long and has one interior electric light. Observation car is also 14½ inches long (not including couplers). It has polished solid brass platform railing. Car carries one interior light and one platform dome light.

Track equipment consists of 8 pieces curved track and 2 pieces straight track together with necessary track binding clips and track terminal connection, making an oval 150 inches in circumference. Complete train set tightly packed in single carton.

No. 39N403. Each..... **14.07**

(Mfr's No. 1261). **An Eighteen Speed Transformer** with half-volt steps of 100-watt capacity for use on 110-volt A.C. only. Recommend for satisfactory operation on all wide gauge trains

No. 39N129. Each..... **3.80**



(Mfr's No. 1433). **Finished in a brilliant orange color, "The Commander"** is 61 inches long and consists of a locomotive, two Pullmans and an Observation car. The equipment consists of locomotive 13¾ inches long and equipped with manual reverse and a protected headlight with red and green side lenses. Pullman Cars are 14½ inches long and have one interior light each. Observation Car is also 14½ inches long and has one interior electric light and one light in observation platform dome. The car sides are lithographed and show a wealth of detail such as rivets, car names, numbers, steel plates, etc.

The track equipment forms a 184-inch oval and consists of eight pieces curve and four pieces straight track together with the necessary track binding clips and track terminal connection.

Complete train set securely packed in a single carton.

No. 39N128. Each..... **20.58**

(Mfr's No. 1466). **This train,** consisting of locomotive, combination Mail and Baggage car, Pullman and Observation cars, is 80 inches long.

The equipment consists of Locomotive No. 4687—new twelve-wheel Triple Action Remote Control Type. It is 30 inches long, the famous Twin Reversible Headlights, bell, hand rails and ladders, all of which are finished in hand buffed nickel. The journal boxes and air tanks are brass.

Combination Baggage and Mail car is equipped with a detachable automatic mail bag catcher and bags. Car has four sliding doors and 2 interior electric lights.

Pullman car features swinging vestibule doors that close automatically, vestibule diaphragms and three interior electric lights

Observation car, with its polished brass railing, has an illuminated platform train sign with its name, "The President's Special." It also has two interior electric lights and a platform dome light that illuminates the platform and the red and green rear and side lights.

Cars have correctly designed six-wheel trucks. They are elaborately decorated with solid brass journal boxes, battery boxes and air tanks. The overall length of these cars is 21 inches or 19½ inches not including automatic couplers.

Track equipment consists of 10 pieces straight track and 8 pieces curved, track terminal connection and track clips, forming a large oval 22 feet in circumference. Complete train set securely packed in a single carton

No. 39N404. Each **37.73**

WHOLESALE N. SHURE CO. CHICAGO

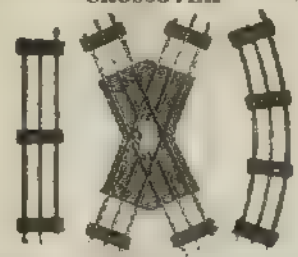
SHURE WINNER PRICE LIST

647

American Flyer

Additional Track and Accessories

EXTRA TRACK—STRAIGHT—CURVED—CROSSOVER



Extra track of heavy gauge material and excellent construction. Interchangeable with other makes

"O" GAUGE TRACK

No. 39N501. Straight Track (Mfr's No. 401). Per dozen..... **1.20**
No. 39N502. Curved Track (Mfr's No 400) Per dozen..... **1.20**
No. 39N503. Crossover (Mfrs' No 402) Each **.87**

WIDE GAUGE TRACK

No. 39N504. Straight Track (Mfr's No. 4401). Per dozen..... **2.40**
No. 39N505. Curved Track (Mfr's No 4400) Per dozen..... **2.40**
No. 39N506. Crossover (Mfr's No. 4402) Each **.90**

ELECTRIC ARC LIGHT

(Mfr's No. 2109). Electric Arc light of late design, complete with light and universal terminal for connecting to either "O" or wide gauge track. Finished in bright red color. It is 9⅝ inches high.
No. 39N507. Each.. **1.60**

DOUBLE ARM CROSSING GATE

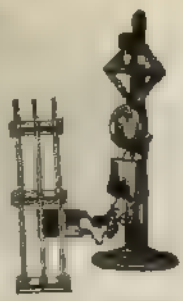
(Mfr's No. 2022). Double Arm Crossing Gate with red electric light. Fitted with universal terminal for connecting to either "O" or wide gauge track. Gates are raised or lowered by operating a crank.
No. 39N508. Each.. **1.33**

TRESTLE BRIDGE

3 piece electric track trestle bridge. Finished in attractive colors and very realistic in design.
No. 39N512. ("O" Gauge Mfr's No 212) Each **2.50**
No. 39N513. (Wide gauge Mfr's No. 218). Each. **2.90**

AUTOMATIC ELECTRICALLY OPERATED SIGNALS

(Mfr's No 2012) Semaphore has electric light. Arm raises as train approaches. Finished in attractive colors. Fitted with universal terminal for connecting to either "O" or wide gauge track
No. 39N509.
Each..... **1.33**



(Mfr's No 2016) "O" Gauge only. Danger Signal Equipped with bell that automatically rings as train approaches. Has extra piece of straight track.
No. 39N510. Each..... **2.40**

(Mfr's No 4016) Same as above but for use on wide gauge track.
No. 39N511. Each..... **2.60**

TUNNEL

A true representation of a real tunnel handsomely decorated full color.
"O" Gauge (Mfr's No 243) Length 14 inches, width 8½ inches, height 8 inches.
No. 39N514. Each..... **.67**
Wide Gauge (Mfr's No. 4255) Length 18 inches. Width 13½ inches, Height 10½ inches.
No. 39N515. Each..... **1.07**

PASSENGER STATION

(Mfr's No. 36). Passenger Station made of pressed steel and lithographed in full detail and color. Size 9½ in. long, 5½ in. high and 5½ in. wide.
No. 39N516. Each.. **.77**

ELECTRIC LIGHTED PASSENGER STATION

Mfr's No. 1051). Passenger Station with two exterior electric lights. Fitted with universal terminal for either "O" Gauge or wide gauge track. Size is 12 inches long x 7 inches high.
No. 39N517.
Each..... **2.33**

Don't Remove Interfering Parts
WORK AROUND THEM

ON 'most every car there are a certain number of awkwardly placed nuts. Ordinary wrenches won't reach or turn them unless interfering parts are first removed. But Williams' new Obstruction "Superrench" will. Its narrow, pointed jaws and 75° head angles are specially designed for just such jobs.

Around the carburetor, manifold, shackles, steering gear and transmission, and in a dozen other places where clearance is limited, the new Obstruction wrench makes rapid, efficient service possible. Like all Chrome-Molybdenum "Superrenches," it is positively guaranteed against breakage. And because the heads are both on the same side of the handle, these wrenches always offer a comfortable working grip. A mighty good buy, either for use or resale.

Furnished in a great variety of sizes for all popular U. S. and S. A. E. standard nuts and cap screws. Singly, in sets or on attractive Display Boards.

WILLIAMS

Ready for delivery September 15

Ask Your Jobber's Salesman

J. H. WILLIAMS & CO.

"The Wrench People"

New York **BUFFALO** **Chicago**

AUTOMOBILE GOGGLES

MICALITE

Leather mask, assorted colors; velvet bound flat clear glasses 1¾ inches in diameter; elastic head band. Per Doz

No. A-52G—Wt doz per ¾ lb $6 75

One doz in cardboard box.

WILLSON

Plain edge mask, ventilated around the eye cups; 1¾ inch glasses assorted amber, smoke and fieuzal.

Note—Twelve of the same color in a box, specify color wanted.

Per Doz

No. A-D2—Wt per doz 1 lb $4 05

One doz in cardboard box.

Velvet bound mask, ventilated round eye cups; 1¾ inch colored glasses, assorted amber, smoke and fieuzal.

Note—Twelve of the same color in a box, specify color wanted.

Per Doz

No. A-D5—Wt per doz 1¼ lbs $7 20

One doz in cardboard box.

WILLSON

Made of rustproof white metal, cable earbows and saddle bridge.

Per Doz

No. A-N86—Amber lenses, 1¾ ins in diam $12 00

One in metal box; wt per doz 3 lbs.

Fine quality Zylonite (resembling tortoise shell) frames; gilt alloy cable riding bow temples. They can be worn over other glasses. Each pair supplied in a neat, hinged box.

Per Doz

No. A-Z21—High grade amber, mi-coquille lenses, 1⅝ ins in diam $18 00

One in cardboard box; wt per doz 1¾ lbs.

Light, compact and perfectly complete in its protection. Adjustable brace bridge fits any face.

Solid white metal frame, cable earbows, well ventilated leather sides. Furnished in a metal case. Per Doz

No. A-A1—Fine quality amber lenses, 1¾ ins in diam ... $24 00

One in case; wt per doz 5½ lbs.

AUTOMOBILE GOGGLES

Fine quality Zylonite (resembling tortise shell) frame. Soft leather sides. Fits any face and can be worn over other glasses. Gilt alloy cable riding bow temples. Each pair in a neat, metal case.

Per Doz

No. A-Z1—High grade amber, mi-coquille lenses, 1¾ ins in diam $24 00

One in case; wt per doz 5 lbs.

ASSORTMENTS

Per Ass't

No. A-SD7—Ass't consists of 12 pr goggles with regular 1⅝ in. round lens assorted colors, 4 each olive green, amber and smoked glass mounted in assorted crystal and mottled shell colored frames $14 25

No. A-SD4—Ass't consists of 12 pr goggles with 1¾ in. round lens assorted colors, 4 each olive green, amber and smoked glass mounted in crystal frames 17 40

No. A-SD200—Ass't consists of 12 pr. goggles with regular 1⅝ in. round lens assorted colors, 4 each olive green, amber and smoked glass, mounted in assorted mottled shell and crystal colored frame with compact earbows that fold and fit into a flat vest pocket leather case 23 70

One ass't in carton, three goggles mounted on cardboard counter display stand; wt per ass't 1¼ lbs.

WILLSON

Dark shell color goggle with riding bow temple (earbows) and good quality glass.

Assortment consists of twelve goggles, six with 1⅝ inch glass and six with 1¾ inch glass. Furnished in light, medium and dark shades of fieuzal, amber, smoke and amethyst glass.

Per Ass't

No. A-KY3—Complete as described mounted on attractively colored easel back display board $10 41

One ass't in carton; wt per ass't 1½ lbs.

WILLSON

Furnished in light, medium and dark shades of fieuzal, amber, smoke and amethyst glass. Per Ass't

No. A-Y262 Ass't consists of 12 goggles, 6 with mottled shell color frame with riding bow temples (earbows) three each with 1¾ and 1⅝ glass; 6 all shell goggles with straight temples, three each 1¾ and 1⅝ inch glass $14 25

No. A-Y260 Ass't consists of 12 goggles, 6 with crystal color frame with straight temple (earbows) with 1¾ in glass; 6 all shell goggles with straight temple and 1⅝ glass 17 10

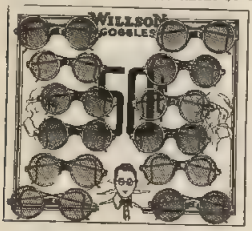
One ass't in carton with attractively colored easel back display board; wt per ass't 1¾ lbs.

WILLSON.

Round Eye Style.

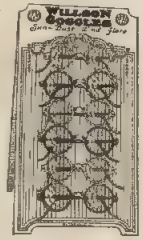
Consists of 12 pair Goggles as follows: 4 pairs No. K192 with crystal color frame, 1¾ inches diameter fleuzal colored glass; 4 pairs No. K20 with mottled shell frame, 1⅝ inches diameter smoke colored glass, semi-inset bridge; 4 pairs No. K202 with crystal color frame, 1⅝ inches diameter amber colored glass, semi-inset bridge. Vest-pocket leather cases included.

Assortment No. SD200. Wt. each, 2 lbs. .....Assortment **$7 77**



Consists of 12 pair Goggles in assorted colors as follows: 6 pairs No. K3 with dark shell color goggle with riding bow temples and 1⅝ in. glass; 6 pairs No. K4, same as K3 but with 1¾ in. glass. Display card with easel back.

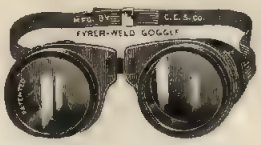
Assortment No. KY3. Wt. each, 2 lbs. .....Assortment **$4 00**



Attractive, popular goggles; mounted 6 on each side of a substantial display card, printed in pleasing color. Consists of 12 pair Goggles in assorted colors as follows: 6 pairs No. K122 straight temples with crystal color frame and 1⅝ in. glass; 6 pairs No. K14 all "Shell" with straight temples and 1¾ in. glass; 75c and $1.00 sellers.

Assortment No. Y260. Wt. each, 2 lbs. .....Assortment **$10 00**

GOGGLES.



Welding and Cutting.

Made throughout of vulcanized fibre, a non-conductor of heat and electricity. The slot in each cup gives ventilation without allowing sparks or light to enter

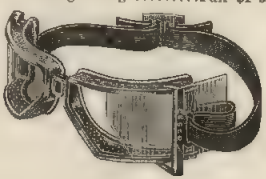
No. 510. Fitted with Essentialite lenses and cover glasses....Each **$3 00**

Welding and Cutting.

Fibre frame; amber lenses; dark shade with clear cover glasses; comfortable, durable.

No. 6 Goggles (with clear cover glasses) .....Pair **$2 00**

No. 8. Spectacles. Ear bows, regular optical type, covered with non-heat conducting tubing .....Pair **$1 50**



Industrial.

For grinders and industrial workers; large curved lenses which are easily interchanged by the hinged door.

No. 220. With rubber binding and clear glasses .....Each **$1 50**

Zylonite fronts; metal temples with side shields; 1¾ inch round lenses; shell color front; ventilated leather side shields; white metal cable temples; furnished with micoquille (slightly curved) amber lenses; 6 pairs in a display carton.

No. Z1. Wt. doz., 1½ lbs..Dozen **$15 00**

A Good Goggle for Ordinary and Light Work.

Worn by grinders, buffers, polishers and others who are exposed only to small flying particles. White metal construction throughout. Saddle bridge, 1⅛-inch glass, cable temples, perforated folding metal side-shields, and metal case. Wt. dozen, 1½ lbs.

No. N86. Clear Glass. Wt. doz., 1½ lbs. .....Dozen **$9 00**

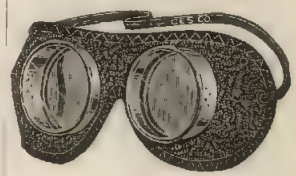
No. N86. Amber Glass...Dozen **9 00**

Grinders.

All-Around Goggle with Side Shields.

It is an ideal eye-protector for automobile use, as well as for ordinary and light forms of industrial work. It should not, however, be used for heavy chipping and similar operations extra-hazardous to the eyes. Approved by the Underwriters. Has 2 inch glass and over-size leather side-shields. Glasses of ordinary size can be worn underneath. The frame is white metal and the earbows are cabled.

No. T1. Clear glass. Wt. doz., 1½ lbs. .....Dozen **$15 00**



Dust.

Well ventilated and neatly formed; made of leather, bound with felt. The slanting eye cups are made of aluminum.

No. 39. Clear glasses....Dozen **$6 00**

WILLSON GOGGLES

No. C68N—Nickel plated frame, with cable riding bow temples, large amber glass lenses, 2 in. in diameter, without cases....dozen $3.90
ONE DOZEN IN A CARTON

No. C4K—Imitation tortoise shell frames and riding bow temples, 1⅞ in. round amber glass lenses, per dozen $7.20
ONE DOZEN IN A CARTON

No. C21Z—Zyblex, fine quality imitaton tortoise shell frame, 1⅞ in. high grade amber glass lenses, nickel cable riding temples, each pair in an individual package, per dozen $12.00

No. C1Z—Zyblex, fine quality imitation tortoise shell frame, high grade 1⅞ in. amber glass lenses, soft leather sides, nickel cable riding bow temples, made to fit any face, one pair in metal case..dozen $18.45
HALF DOZEN IN A BOX

No. C7KD—Imitation tortoise shell frames and riding bow temples, 1⅞ in. drop eye style amber glass lenses, each pair in an individual package .....per dozen $12.00
HALF DOZEN IN A CARTON

White metal, clamp joint style, with perforated metal side shields, saddle bridge, cable riding bow temples; 1⅞ in. round lenses.

No. C86N—Amber lenses,
per dozen $8.90
No. C086N—Clear lenses,
per dozen $8 90
ONE PAIR IN A METAL CASE
ONE DOZEN IN A CARTON

INDUSTRIAL

Nickel plated frame, with easy cable riding bow temples, wire screen sides, 1⅞ in. glass lenses.

No. C650—Amber lenses,
per dozen $24.00
No. C650J—Clear lenses,
per dozen $24.00
ONE PAIR IN A HINGED COVERED CASE
HALF DOZEN IN A CARTON

No. C70K—Fine imitation tortoise frames and riding bow temples, 1⅞ in. amber glass lenses. Each pair in an individual package, per dozen $10.35
HALF DOZEN IN A CARTON

SELF ADJUSTING

The last word in goggle comfort. The flexible silk bridge perfectly adjusts itself to the shape of the face, thus combining complete protection with unusual comfort.

No. C2Z—Zyblex, imitation tortoise shell frames, with a flexible nose bridge of pure silk, ventilated leather side guards, flexible cable temples of white metal, large amber glass lenses, each pair in a metal box.....per dozen $23.55
HALF DOZEN IN A CARTON

Of unique construction, light weight and very neat.

No. C1K Imitation tortoise shell frames, temples and side shields. 1⅞ in. round amber glass lenses. Each pair in a neat metal box, per dozen $17.55
HALF DOZEN IN A CARTON

ADJUSTABLE

No. C1A—Albex, white metal screw joint style with leather side shields, flexible cable riding bow temples, **special adjustable arch bridge allows the goggle to fit the contour of any face,** extra large amber glass lenses, 1⅞ in. in diameter, each pair in a hinged metal case per dozen $18.45
HALF DOZEN IN A CARTON

No. C7SD—Assortment consists of 12 pair selected goggles assorted as follows:

4 with 1⅞ in. round smoke lenses fitted in crystal shell celluloid frames,

4 with 1⅞ in. round amber lenses fitted in mottled shell celluloid frames and 4 with 1⅞ in. round Fieuzel lenses fitted in crystal shell celluloid frames, curved bows,

One each of these goggles is mounted on an attractive display carton, per assortment $10.95

ONE ASSORTMENT IN A CARTON WITH HANDSOME COLORED DISPLAY CARD.

Under Your Present Franchise HOW *MANY are* PROSPECTS?

Of the hundreds, and possibly thousands, of people passing your display windows daily, how many are actually prospects for the cars you handle? If you are selling in a single price class, you can hope to interest only a limited percentage. And such a franchise makes your sales problem just that much harder.

The Willys-Overland franchise gives you a car for every buyer, regardless of what he wants to pay. The Whippet and Whippet Six are a year ahead of the industry in modern design. The two Willys-Knight Sixes, the "70" and Great Six have the patented Knight sleeve-valve engine, an exclusive sales feature of recognized value.

With this franchise you have 97% market coverage. That's why it's a safe, sound franchise for the dealer who is looking to the future. Write for particulars.

WILLYS-KNIGHT *Whippet*

FINE MOTOR CARS

WINCHESTER SHOT GUNS

REPEATING HAMMERLESS

MODEL 12—Tournament Grade, with Ventilated Rib

Barrel—Nickel steel, with raised ventilated rib, blued.

Stock—Handsome, selected walnut, oil finished, with well shaped, straight grip, checkered, fitted with Anti-Flinch or Winchester Red Rubber recoil pad.

Slide Handle—Large, extension, square grip, handsome walnut, checkered.

Frame—Take-Down, 6 shots, one-piece receiver closed at rear and on top, blued, side ejection, bottom loading, cartridge release, two safety locks.

No. F24TDR—12 gauge. with ventilated rib barrel, 30 in. full choke, chambered for 2¾ in. shells, extension slide handle, stock length 14 in. with heavy comb and rounding, drop at comb 1⅝ in., drop at heel 1⅝ in., w't about 7½ lbs.★ each $253.20

MODEL 12—Trap Grade, Ventilated Rib, with Large Extension Action Slide Handle

Barrel—Nickel steel, with raised ventilated rib, blued.

Stock—With either straight or full pistol grip, fancy selected walnut checkered, fitted with Anti Flinch or Winchester Red Rubber recoil pad.

Slide Handle—Large, extension, square grip, fancy selected walnut, checkered.

Frame—Take-Down, 6 shots, one-piece receiver closed at rear and on top, blued, side ejection, bottom loading, cartridge release, two safety locks.

No. F25TDR—12 gauge, with ventilated rib barrel, 30 in. full choke, chambered for 2¾ in. shells, extension slide handle, stock standard dimensions, straight grip, length 14 in. long, drop at comb 1⅝ in., drop at heel 1⅝ in., thick comb, w't about 7½ lbs.★ ..... each $278.30

REPEATING HAMMER

MODEL 97—Standard Grade

Barrel—Rolled steel, blued.

Stock—Plain walnut, pistol grip, length 13¾ in., drop at comb 1¾ in., drop at heel 2⅜ in., rubber butt plate.

Frame—Take-Down, 6 shots, blued.

No. C29TD—12 gauge, plain barrel, 30 in. full or modified choke, 28 in. full choke, or 32 in. full choke, chambered for 2¾ in. shells, w't about 7¾ lbs. ..... each $70.65

★Items Marked Thus ★ Are Shipped from Factory Only

CRUSO HANDY SHOTGUN OUTFITS

GUN—GUN CASE—CLEANING ACCESSORIES—AMMUNITION

Outfit consists of:

One only Cruso Automatic Ejector, Single Barrel Shotgun, Blued steel barrel. Choke bored for Nitro powders, low rebounding hammer, top lever, countersunk trigger guard, case hardened steel frame, coil main spring and locking bolt springs, varnished American walnut stock and **extra large snap fore-end**, full pistol grip, hard rubber butt plate.

One only No. C652 Cruso Canvas Case, flannel lined, take-down with tool pocket.

One only No. C95 Cleaning Rod, three jointed, hickory, brass trimmed, with cleaning accessories, consisting of wool swab, slotted wiper, and brass wire scratch-brush.

One box (25) Peters Victor Loaded Shells.

12 GAUGE

No. C112—Cruso Handy Outfit complete (containing No. C210 12 gauge, 30 in. Automatic Ejector Gun, No. C652 Canvas Case, No. C95 Cleaning Rod and one box No. TC5116 12 gauge 6 shot Victor Shells), w't about 11 lbs., each $20.55

16 GAUGE

No. C116—Cruso Handy Outfit complete (containing No. C16210 16 gauge, 30 in. Automatic Ejector Gun, No. C652 case, No. C95 cleaning rod and one box No. C5536 16 gauge, 6 shot Victor Shells), w't about 10 lbs ...each $20.55

20 GAUGE

No. C120—Cruso Handy Outfit complete (containing No. C20210 20 gauge, 28 in. Automatic Ejector Gun, No. C652 case, No. C2095 Cleaning Rod and one box No. C5736 20 gauge, 6 shot Victor Shells), w't about 10 lbs..each $20.55

410 GAUGE

No. C123—Cruso Handy Outfit complete (containing No. C410210 Heavy Breech Model Automatic Ejector Gun, No. C652 Case, No. C41095 Cleaning Rod, and one box No. C4126D Ch. 2½ in. 410 gauge, 6 Ch. shot shells), w't about 8½ lbs. $20.55

No. C125—Cruso Handy Outfit complete (containing No. C410310 medium weight model Automatic Ejector Gun, No. C652 Case, No. C41095 Rod and one box No. C4126D Ch. 2½ in., 410 gauge, 6 Ch. shot shells), w't about 7 lbs., each $20.55

ONE OUTFIT COMPLETE IN A CARDBOARD BOX

FOLDING CHAIRS

SPICELAND

Chair folded, showing Iron Rod across the seat and how the sleeves are put on. Folds perfectly flat.

Slat seat and spindle back.

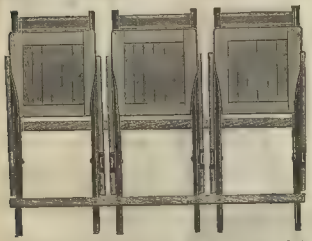
The Spiceland chair is not an experiment. All parts are fully guaranteed. Any faulty material or workmanship promptly replaced free of charge. Seat braced with iron rod; japanned castings.

Per Doz

No. 2— Hardwood, natural finish; shellaced ---------- **$54 75**

Six in bdle; shipping wt per doz 104 lbs.

SPICELAND, IN SECTIONS



Each chair folds independently. The strong strips that connect chairs are notched for the legs to fit into and bolted on. No screws, making all chairs perfectly rigid.

Per Doz Chairs

No. 25—In sections of 2 to 5 chairs as desired------ ✤**$57 75**

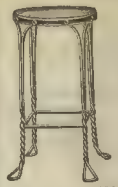
Packed loose; shipping wt per doz 100 lbs.

NOTE—When ordering, mention number of chairs wanted to each section.

✤F. O. B. Indiana Factory Only.

WIRE FURNITURE

SODA FOUNTAIN STOOLS



Antique copper finish frame; quartered oak veneered seat; polished with ring.

Each

No. 130—Diam 9½ ins; height 25 ins; wt each 7½ lbs ------ **$5 70**

No. 140—Diam 12 ins; height 26 ins; wt each 8 lbs -------- **6 30**

Packed loose.

CHAIRS

Antique copper finish frame; quartered oak veneered seat; polished with ring.

Each

No. 7—Wt each 10½ lbs -------- **$5 55**

Packed loose.

ICE CREAM AND CAFE TABLES

With Rim.

Antique copper finish frame; quartered oak veneered tops. Well braced; strong and steady; easily assembled.

Each

No. 224—Diam top 24 ins; wt 23 lbs---------- **$19 80**

No. 230—Diam " 30 ins; wt 27 " ---------- **23 25**

No. 236—Diam " 36 ins; wt 40 " ---------- ✤**30 75**

Two in bdle.

ICE CREAM AND CAFE TABLES

Antique copper finish frame; solid tops of quartered oak or birch mahogany. Well braced; strong and steady; easily assembled.

Each

No. 400—Square 27x27 ins; wt 32 lbs------ ✤**$20 25**

No. 401—Oblong, 30x 48 ins; wt each 50 lbs- ✤**33 00**

Two in bdle.

ICE CREAM AND CAFE TABLES

Antique copper finish frame; white glass top. Well braced; strong and steady; easily assembled.

Each

No. M24—Diam 24 ins; wt each 50 lbs.---------- ✤**$37 50**

No. M30—Diam 30 ins; wt each 70 lbs.---------- ✤**54 00**

Two in bundle.

✤F. O. B. Illinois Factory Only.

CROQUET SETS

Hibbard

All turned by hand. Natural finish, best polish. Mallets, 9 in. long with 1½ inch nickel plated bands. Corrugated short handles. Select fancy striped balls, two large fancy finished colored stakes. Heavy enameled arches with sockets.

Hibbard

Nos.	C19	C21	C23
No. balls.	4	6	8
W't, lbs...	22	26	30
Per set..	$12.20	14.65	17.20

No. C10 Hibbard — Four Ball Sets, balls, handles and mallets striped and varnished, 8 in. mallets, two large fancy stakes, galvanized arches, beaded handles, w't per set 18 lbs..per set $7.35

No. C17 Hibbard — Eight Ball Sets, balls, mallets and handles painted and striped, two large fancy stakes, galvanized wire arches, 6 in. mallets, w't per set 26 lbs.....per set $11.35

No. C15 Hibbard — Four Ball Professional Set, 8 in. rock maple, hand turned, ebonized and bronzed mallets, ebonized and bronzed balls and 28 in. handles, two large beaded fancy striped and bronzed four color stakes, heavy galvanized arches, w't per set 20 lbs.....per set $9.90

ALL ABOVE, ONE SET IN A FINISHED HINGED WOOD BOX

"CRUSO"

"CRUSO" sets contain 5 in. plain mallets with 24 in. one color banded handles, one-color banded varnished balls, plain one-color stakes and ten coppered arches.

Nos.	C1	C2	C3
No. Balls	4	6	8
W't, lbs.	11	17	21
Per set	$3.20	4.10	4.65

No. C4—"Cruso" 8 ball set, 5 in. plain oiled mallets with 28 in. one-color banded handles, one-color banded varnished balls, plain eight-color stakes, ten coppered arches, w't per set 19 lbs., per set $4.20

"CRUSO" Professional Sets—consist of 8 in. plain varnished mallets with 24 in. one-color banded handles, large eight-color stakes, one-color banded and varnished balls, galvanized arches.

Nos.	C9	C8	C11
No. Balls	4	6	8
W't, lbs.	18	22	26
Per set	$5.00	7.00	8.00

ALL ABOVE, ONE SET IN A FINISHED HINGED WOOD BOX

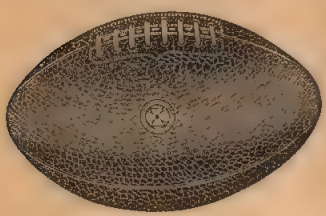
CROQUET BALLS

No. C4—Rock maple, varnished, with band, 8 colors, per dozen $4.20

PACKED LOOSE

GOLDSMITH OFFICIAL RUGBY FOOT BALLS

Guaranteed for two full games and to comply with the official specifications, official for use in any game. Used by the leading universities throughout the country.



OFFICIAL SEAMLESS

Can be inflated in a jiffy without unlacing or relacing. Fitted with the new GOLDSMITH ALL RUBBER VALVE BLADDER. A Foot Ball without a Stem Bulge. With Dummy Lace (only for gripping quickly and in forward passing). Quickly and easily inflated. Perfect in shape and balance. Without heavy spots due to Metal Valves or Metal Valve Caps. Waterproofer—Will not get loggy on a wet field. (Patent pending). Can be inflated to any desired air pressure. Unlined—Gives greater distance in punting. Made of Tempered Hide from which all stretch is removed. Official in size, shape and weight.

No. C5—Each *$11.50*

ONE IN A BOX

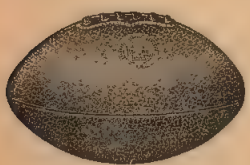
OFFICIAL INTERCOLLEGIATE

The ball for better punting and passing. Designed and constructed by experts, with small nicely tapered ends which permit a firmer hold for accurate forward passing. Made of the finest imported English Process Tempered Hide, backed with two heavy especially constructed linings which prevent stretch. Stitched throughout with seven ply linen cord. Carefully inspected and tested for weight, size and shape. A ball for fast play. With pure gray gum bladder, leather lace and lacing needle.

No. C5F—Each *$10.00*

ONE IN A BAG

GOLDSMITH RUGBY FOOT BALLS



No. C5G—A very durable ball of American boarded cowhide, backed with a heavy canvas lining which prevents stretch; stitched with heavy linen cord; regulation size and weight; pure gray gum bladder, leather lace and lacing needle, each *$6.00*

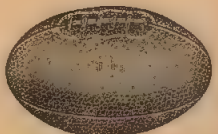
No. C5T—A ball for hard and rough usage, good quality, genuine heavy cowhide, backed with a heavy canvas lining; stitched throughout with linen cord, regulation size, packed with pure gray gum bladder, leather lace and lacing needle...each *$5.00*

ONE IN A BOX

No. C5K—A heavy pebble grain foot ball cowhide leather, reinforced with a strong canvas lining, is used in this ball; made regulation size; very serviceable; complete with pure gray gum bladder.....each *$2.25*

No. C5H—Made of selected pebble grain cowhide leather with canvas lining; strongly stitched throughout; regulation size; a ball that will give exceptional service; with pure gray gum bladder.....each *$2.00*

ONE IN A BOX



No. C5L—Especially selected tan cowhide leather, reinforced with a canvas backing; a very serviceable ball for the little fellow; complete with good grade pure gray gum bladder.....each *$1.50*

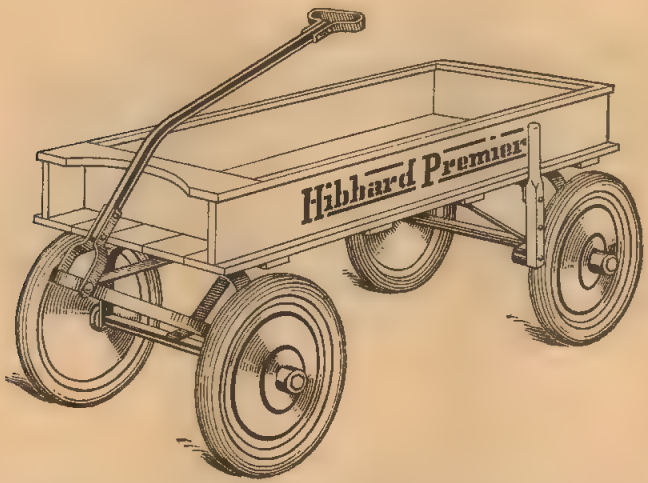
ONE IN A BOX

Hibbard Premier Coaster Wagon

WITH FULL BALLOON TIRES

High Grade *Well Constructed* *Attractive*

NOT TO BE COMPARED WITH A LOW PRICED WAGON



"Hibbard Premier"—Body 16x36 in., constructed of high grade hardwood. Removable box. Heavy channel steel gear, strongly braced. Tubular steel handle, black enameled. Body finished in green decorated in black and orange. Wheels—10 in. Roller Bearing Double Disc finished in orange with green center and black stripe, equipped with 1¼ in. Balloon Tires. Nickel plated hub caps.

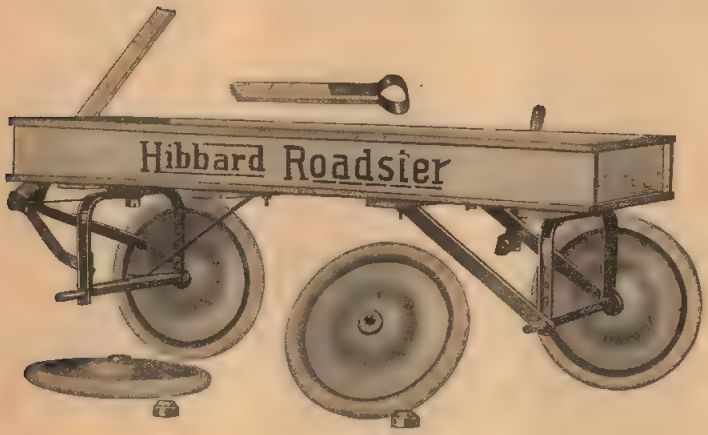
No. M666—W't each 40 lbs.....each $11.10

No. F666—In lots of 36 or more, we can furnish these wagons under dealer's own brand,★ each $11.10

★Items Marked Thus ★ Are Shipped from Factory Only

Hibbard ROADSTER

The Wagon with the Balloon Tired Roller Bearing Wheel



BODY—Well seasoned hardwood.

GEAR—Steel, extra strong, Channel construction, thoroughly braced.

WHEELS—Double disc type 10 inches high, roller bearings.

FINISH—All wood parts natural wood coated with best grade varnish with bright red moldings on body. Red wheels, all other iron parts enameled black.

No.	Body	Wheels	Rubber Tires	Shpg. W't		
No. M314	14x32 in.	10 in.	1 in.	32 lbs.	each	$ 8.90
No. M315	16x36 in.	10 in.	1 in.	36 lbs.	each	9.45
No. M315½	18x40 in.	10 in.	1 in.	40 lbs.	each	10.90

ONE IN A CARTON

Wright and Ditson Rackets

Champion Model Racket. Chamfered frame made of white ash with mahogany throat reinforced with elm. Bound at shoulders with fibreloid. Strung with good quality oriental gut. Weights, light, medium and heavy. Each in paper bag.
No. 9R35. Each.... 4.50

All American Model. Oval shape; depressed white holly throat, well seasoned second growth ash frame. New style chamfering. Shoulders attractively bound with fibreloid. Strung with high grade oriental gut double center style. Weights, light, medium and heavy. Each in paper bag.
No. 9R36. Each.... 5.20

9R39

Davis Cup Model. Still the world's most famous and popular racket. Made of best materials throughout. Trimmed with attractive fibreloid features on both shoulders and on the flake. Strung with dry gut. Weights, light, medium and heavy. Each in paper bag
No. 9R39. Each.... 9.50

9R40

George Wright Model. The racket supreme for all-around players. Laminated throat. Attractively bound with two colored fibreloid pieces. Weights, light, medium and heavy strung with gut. Each in paper bag.
No. 9R40. Each.... 9.50

DAYTON STEEL RACKET

The New Dayton Steel Racket. Will not warp. It has a sturdy tubular steel frame grooved at the top to protect the strings, which are made of a new light steel that gives the feel of gut. Made in light, medium and heavy weights. Black finish.
No. 9R42. Each.... 2.75

WRIGHT & DITSON TENNIS BALLS

The Wright & Ditson Champion Lawn Tennis Ball, adopted by the U. S. L. T. A. for thirty-one years as the ball to be used in national championships. Every care is taken to keep this ball up to the standard which it has always maintained. For hard or grass courts. One dozen in a box (no less sold).
No. 9R25. Per dozen.... 4.75

WILSON CHAMPIONSHIP BALLS

Always fresh and lively

Tennis Balls in Tubes. Two-piece balanced construction, stitchless cover. Officially approved by U. S. Lawn Tennis Assn Durable, accurate, even flight, perfect bound, always fresh and lively. Guaranteed to give perfect playing satisfaction. Packed in hermetically sealed metal pressure tubes of three balls each, four tubes in attractive hinged display box. This patented process of packing assures you of fresh stock at all times.
No. 9R45. Per dozen (no less sold) 4.95

Tennis Accessories

Tennis Racquet Covers

Racket Cover, made of good quality olive drab, water proof canvas with flap and ball pocket; well stitched

No. 9R46. Per dozen..... 6.00 | Each..... .55

Same as above, but bound in imitation leather with genuine leather handle, and pocket in back for shoes

No. 9R48. Per dozen. . 10.80 Each.. ... .95

"EZ" Lock Racket Cover, made of fine quality olive drab water proof canvas, ball pocket

No. 9R47. Per dozen..... 10.20 | Each..... .90

Same as above, with "EZ" lock feature, but bound with imitation leather, has genuine leather handle and pocket in back for shoes

No. 9R49. Per dozen..... 14.50 | Each..... 1.25

TENNIS RACQUET PRESS

Racquet Press, designed for keeping racquet in proper shape when not in use. Made of very substantial wood natural finish

No. 9R21.

Per dozen.. 6.75 | Each.. .60

Lawn Tennis Nets

Lawn Tennis Nets. 27x3 ft., 12 thread, single court, roped.

No. 9R28. Each..... 1.15

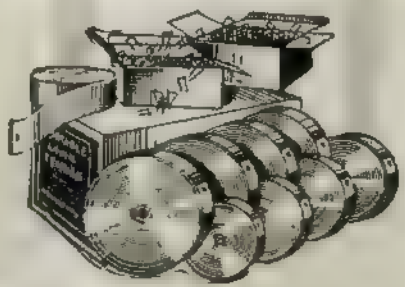
Lawn Tennis Nets. 36x3 ft., 15 thread, double court, canvas bound

No. 9R29. Each..... 2.75

Lawn Tennis Nets. 42x3 ft., 15 thread, double court, canvas bound

No. 9R30. Each..... 3.10

Wilson Portable Marking Tapes



Wilson Portable Marking Tapes. For double court. Good quality canvas. Adapted for clay or turf double court. Complete with 240 staples and 14 pins. Each set in box

No. 9R23. Per set..... 6.00

Shure Winner Striking Bags

Boy's Striking Bag. Made of selected wine napa leather. Reinforced waxed thread sewed loop, full lined, well stitched. Complete with bladder and cord. Each in box.

No. 14R25. Each... 1.75

Men's Striking Bag. Full size, best quality California wine color leather. Leather welted, triple stitched taped seams, reinforced riveted loop, leather bound and canvas lined Complete with bladder and cord. Each in box

No. 14R27. Each.. 2.75

Men's Professional Model Striking Bag. Full size best quality cream color horsehide leather. Leather welted, triple stitched taped seams, reinforced riveted loop, leather bound and canvas lined. Complete with bladder and cord. Each in box.

No. 14R29. Each... 3.75

Double End Style Striking Bag. Made of selected California wine color leather. Leather welted, triple stitched taped seams. Reinforced riveted loops, top and bottom. Complete with bladder and elastic cord for floor attachment. Each in box.

No. 14R31. Each... 3.00

EASTMAN LINE CHILDREN'S FURNITURE

DESK and CHAIR SETS
TABLE and CHAIR SETS
KITCHEN CABINETS, ETC.

Look for our samples in New York with

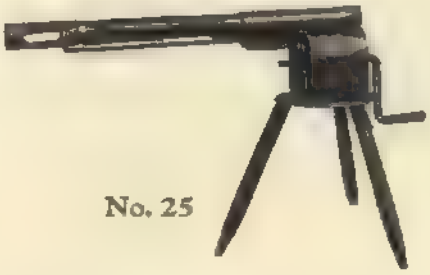
Geo. Borgfeldt & Co.
The Owens-Kreiser Co.
Baker & Bennett Co.
Geo. W. Travers Co.
Geo. P. Paine, San Francisco, Calif.
G. E. Dalton Co., Los Angeles, Calif.

Catalog and Price List mailed on request.

EASTMAN MFG. CO.
Union City, Pa.

SAFETY WYANDOTTE SAFETY MACHINE GUN

OUR NEWEST SAFETY GUN



No. 25

LIKE ACTUAL MACHINE GUN

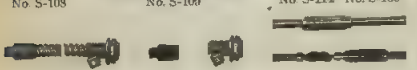
TOYS ALL METAL PRODUCTS CO. TOYS
WYANDOTTE, MICH.

SHOW CASE FITTINGS

X-RAY SCOOPETTE

Standard finish, black nickel. Standard package quantity, 10

No. S-101 No. S-102 No. S-104 No. S-105 No. S 106 No. S-108 No. S-109 No. S-114 No. S-136

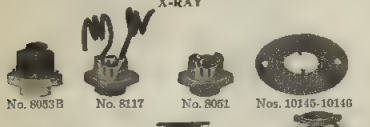


No. S-119 No. S-120 No. S-121 No. S-120

No.		
No. S-101	Body or T-fitting with cover	Each, $0.80
No. S-102	Elbow with cover	Each, .85
No. S-104	Back fitting with cover	Each, .75
No. S-105	Cap for tubing	Each, .20
No. S-106	Bracket	Each, .15
No. S-108	Connector	Each, .50
No. S-109	Special switch box with black enamel cover, no switch	Each, $2.75
No. S-112	Standard switch box, no cover	Each, .60
No. S-113	Switch plate, black nickel finish	Each, .65
No. S-114	Special insulating joint, including nipple and lock nuts	Each, $1.05
No. S-115	Switch for use with No. S-109 or S-112 box	Each, 1.50
No. S-119	Special flexible conduit, with fittings, 72 inches long, 36 inches showing in case, finish black nickel	Each, $3.00
No. S-120	Fitting for attaching flexible conduit to No. S-101 body	Each, $0.50
No. S-121	Fitting for flexible conduit	Each, .50
No. S-126	Strap for ⅜-inch tube	Each, .10
No. S-127	Strap for ½-inch flexible conduit	Each, .15
No. S-128	Plug for ⅜-inch tube	Each, .20
No. S-129	Coupling for ⅜-inch tube	Each, 1.25
No. S-136	Bracket for wood frame cases	Each, .15

DIRECT LIGHTING REFLECTOR FITTINGS

X-RAY



No. 8053B No. 8117 No. 8051 Nos. 10145-10146 No. 10100 No. 10127 No. 10400

Receptacles

No.		Standard Package Quantity	Each
	Metal parts are zinc plated.		
8051	Screw Terminal Receptacle	10	$0.50
8117	Pigtail Receptacle	10	.60
	Complete Socket		
8053B	Socket for ⅜-inch Pipe	10	$0.80
8228	Socket for ½-inch Pipe	10	1.00
	Round Box Covers		
	Metal parts are zinc plated.		
No.		Standard Package Quantity	Each
10145	3-inch Cover	10	$0.20
10146	4-inch Cover	10	.25
	Form O-2¼-Inch Holder		
No.		Standard Package Quantity	Each
10100	Form "O," 2¼-inch Holder, for X-Ray Sockets for Scoop, Scoop, Jr., Hood, Jr.	10	$0.30
	Form H-2¼-Inch Holder		
No.		Standard Package Quantity	Each
10127	Form "H," 2¼-inch Holder, for X-Ray Sockets for Hood	10	$0.40

Clamping Type Form A3¼-Inch Holders

These 3¼-inch shade holders are designed to clamp securely around a 3¼-inch fitter with equal pressure on all sides, making them vibration proof.

No.		Standard Package Quantity	Each
10300	Form "A," 3¼-inch Holder, for X-Ray Sockets	10	$0.50
10400	Form "A," 3¼-inch Holder, for Brass Shell Sockets for Jove and Jupiter	10	.50
10500	Form "A," 3¼-inch Holder, for Porcelain and Weather-Proof Sockets	10	.50

FLOODLIGHTING PROJECTORS

X-RAY

For Use with 250 Watt G-30 Mazda "C" Flood Lighting Lamp

Used for protection lighting and for facilitating night operations in large spaces, both inside and outside. The unit is weatherproof, properly ventilated and not affected by heat, cold, rain, snow or ice. Is furnished with swivel and tilting base, for bolting to supporting surface. The No. 800 Reflector furnished with the No. 51C unit, is designed to concentrate the light into a powerful beam. The No. 810 Reflector furnished with the No. 51E unit, gives a wide distribution of light approximately 40 degrees. The lamp used is a "250 Watt Mazda 'C' G-30 Floodlighting lamp, medium screw base." For color lighting special heat-resisting pigment cover glass in Red, Blue, Green or Amber can be furnished at a slight additional cost. Furnished without lamp. Standard finish gray. Size of base, 2x4 inches, with ½ inch holes 2⅝ inches on centers.

No.	Diameter Inches	Depth Overall Inches	Number of Reflector	Shipping Weight Pounds	Each
51C	11½	9¾	800	15	$30.00
51E	11¾	9¾	810	15	30.00

SLEEVE EXTENSION

No. 10265 Sleeve extension with clamping band, for adapting No. 51 Projector to Standard 200 Watt PS30 Mazda "C" Lamp.....Each, $4.00

No. 60

For Use with 500 Watt G40 Mazda "C" Flood Lighting Lamp

Projector is of medium size. It is constructed throughout of heavy gauge galvanized steel and finished in a neutral gray enamel. It is properly ventilated and not affected by unusual conditions and changes in the weather. It is adapted to a wide variety of uses, having three designs of reflectors that will allow for practically any distribution of light. The No. 835 Reflector, which is regularly supplied and shipped with the No. 60 Projector, produces a beam of 25 degrees divergence with lamp at focus. The No. 840 Reflector, supplied with the No. 60 Projector when specified, produces a 10-degree beam with lamp at focus. The No. 845 Reflector, supplied when specified, produces a wide beam of 50 degrees. The lamp used is a "500 Watt Mazda 'C' G-40 Floodlighting lamp, mogul screw base." A swivel and tilting base supplied with unit for bolting to supporting surface. Furnished without lamp. Standard finish gray. Size of base, 5 inches.

No.	Diameter Inches	Depth Overall Inches	Number of Reflector	Shipping Weight Pounds	Each
60C	14	14	840	35	$50.00
60D	14	14	835	35	50.00
60E	14	14	845	35	50.00
62C	14	14	840	35	62.50
62D	14	14	835	35	62.50
62E	14	14	845	35	62.50

NOTE: Number 62 series is the same as No. 60 except is supplied with heavy iron stand mounting.

SHOW WINDOW FOOTLIGHTS

X-RAY

Portable

Designed to bring all details of the display into sharp relief and eliminate the shadows ordinarily present with only overhead lighting. Small Portable Footlights are made in sections 4, 8 or 16 feet long, for 60, 100 or 150 watt lamps on 12-inch centers. This can be used independently of or in conjunction with other lighting equipment for variable effects. The housing containing the specially designed X-Ray Reflectors is solidly constructed of light metal with the outside finished in olive green, or if preferred a Dark Bronze, Gold Bronze or Ivory. Inner surface is always finished in Aluminum Bronze. This small housing can be used to support panel name plates, monograms, etc. It can also be used as a portable footlight for small Auditoriums, Lodge Rooms, etc. All footlights furnished unassembled and no wire or lamps are included.

No.	Length, Feet	Number of Reflectors	Height, Inches	No. Lamps	Each
10308	4	E-60	6½	4-60 w.	$40.00
10308	8	E-60	6½	8-60 w.	78.00
10308	16	E-60	6½	16-60 w.	152.00
10309	4	EC-71	6½	4-100-150 w.	43.00
10309	8	EC-71	6½	8-100-150 w.	85.00
10309	16	EC-71	6½	16-100-150 w.	166.00

NOTE: Olive finish is supplied unless otherwise specified. Prices on longer or special lengths furnished on request.

GLASS SHOW CASE REFLECTORS

X-RAY SCOOPETTE

For 15-50 Watt Type "A" Medium Screw Base Lamps

Designed for show case lighting. The light is cast even and free from streaks. Unit consists of reflector socket and cover, housing for reflector and special clip to hold reflector in place.

No. S200 Height overall, 4½ inches; depth from front to back, 3⅝ inches; width, 4 inches. Standard package quantity, 10..... Each, **$4.75**

GLASS WALL CASE REFLECTORS

X-RAY—HOODETTE

For 15-50 Watt Type "A" Medium Screw Base Lamps

Designed for lighting wall cases, outside display cases and low shallow windows, etc. Provides an ample illumination on the upper part of the display case with the greater portion of the light concentrated on the lower portion. Unit consists of reflector, socket, socket cover and shade holder.

No. H-199 Height overall, 4⅛ inches; depth from front to back, 5⅝ inches; width, 3½ inches. Standard package quantity, 10..... Each, **$4.75**

SCOOPETTE AND HOODETTE INSTALLATION DATA

Complete Display Case Lighting Outfits

The table printed below tells what it costs to buy a complete outfit for lighting different sized show cases. The prices are for square end cases; the cost increases, of course, with longer cases, and those that have to be lighted more brightly; Scoopettes and Hoodettes, though not used for the same kind of cases, cost the same. The complete outfit includes a special insulating joint, a push button switch, a special switch box, all tubing, elbows, T fittings, Scoopettes (or Hoodettes), straps or brackets for supporting tubing, cap for end of tubing and enough special flexible No. 18 stranded wire for the entire case. Prices do not include assembling, wiring, installing or lamps

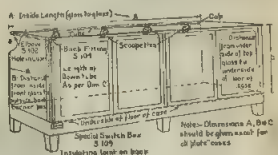
TABLE OF PRICES FOR COMPLETE OUTFITS

One Equipment is a Standard Package

Furnished complete for regular wood frame or all-glass show cases with square ends. Add $2.50 if one round end, $3.25 if two. Add 20% for wiring and assembling.

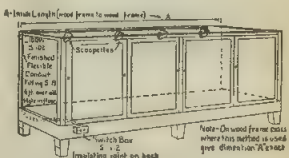
Length of Cases	Number of Scoopettes per Case 2	3	4	5	6	7	8	9	10
3 to 5 Feet	$24.85	30.75	36.70						
5 to 7 Feet	25.85	31.70	37.60	43.50					
7 to 9 Feet		32.65	38.55	44.55	50.45	56.35			
9 to 11 Feet			39.50	45.40	51.30	57.20	63.10	69.00	74.90
11 to 13 Feet				46.35	52.25	58.15	64.05	69.95	75.85
13 to 16 Feet					53.20	59.10	65.00	70.90	76.80

METHOD OF INSTALLING SCOOPETTES


A-Inside Length (glass to glass)
Scoopettes
Special Switch Box
Insulating joint on back
Flexible Conduit—underneath floor of case
Note—Dimensions A, B & C should be given exactly for all-plate cases

Back Entrance Method, for All-Plate Glass Cases

Feed wires are brought up through tubing at one of the back corner posts; then across the case at the top at one end, through an elbow. The wires are then carried through front length of tubing to Scoopette Units.


A-Inside Length (wood frame to wood frame)
Scoopettes
Special Switch Box
Insulating joint on back
Flexible Conduit—underneath floor of case
Note—On wood frame cases where this method is used give dimension A exact

Floor Entrance Method for Wood Frame Cases

The feed wires enter from underneath the floor of case, extending up through the flexible conduit, which is concealed back of one of the front corner posts. If the show cases in which the Scoopette equipment is to be installed do not conform with the standard sizes given in our tables, send for the special dimension blank so as to give us exact information. This is very necessary to insure that the equipment will exactly fit the case.

BENCH DRILL VISES

YANKEE

For Use on Bench Drills or Separately Attached to Bench

Iron Body and Sliding Jaws, Removable Swivel Jaw for holding taper work, ½ in. diameter Steel Screw. Each

No. 990—Base 6 in. Long, 2⅝ in. Wide, Opening of Jaws 3 in., with Swivel Jaw 2⅝ in., Depth of Jaws 1⅝ in., Weight 4 Lbs. $3.50

For Use on Bench Drills or Separately Attached to Bench for Holding Work to be Machined

Iron Body, Steel Jaws, Hardened Steel Block with V Shaped Grooves for holding irregular work ⅝ in. diameter Steel Screw.

Nos.	991	992	993
Base Length, Inches	3⅝	4⅞	7¼
Base Width, Inches	1½	2	2¾
Jaws Open, Inches	1½	1⅝	3⅛
Depth of Jaws, Inches	⅞	1¼	1⅞
Width of Jaws, Inches	1½	2	2¾
Height Over All, Inches	1½	2⅛	3
Length Over All, Inches	4⅝	6	8¾
Weight Each, Lbs.	1⅜	3⅜	9⅛
Each	$3.00	4.00	7.50

With Swivel Base

For use on Bench Drills or Separately Attached to Bench

Iron Body and Sliding Jaws with Hardened Steel Faces complete with a Hardened Steel Block with V Shaped Grooves of various sizes for holding irregular work in drilling, etc. The swivel base is locked or released by a short movement of lever.

Nos.	1991	1992	1993
Base Length, Inches	3⅝	4⅞	7⅛
Base Width, Inches	1½	2	2¾
Jaws Open, Inches	1½	1⅝	3⅛
Depth of Jaws, Inches	⅞	1¼	1⅞
Width of Jaws, Inches	1½	2	2¾
Height Over All, Inches	3½	4⅛	5¾
Length Over All, Inches	4⅝	6	8¾
Weight Each, Lbs.	2⅝	5⅞	13⅜
Each	$4.00	6.00	10.00

DRILL PRESS VISES

YOST

Gray Iron Jaws, Accurately Machined, Three Flanges on Base for attaching to Drill Press Table. A "V" shaped Slot in Jaws for vertical work.

Nos.	1D	2D
Width Jaws, Inches	3½	5
Opens, Inches	3½	5½
Weight Each, Lbs.	12½	23
Each	$12.00	16.00

The surfaces upon which the movable jaw slides are carefully machined, thus providing uniform alignment.

The swivel arrangement of the handle insures easiness of operations in cramped positions.

BLACKSMITHS VISES

STANDARD HOLDFAST

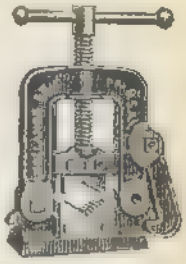
Solid Box

Wrought Steel, Painted Black, Polished Jaws.

Nos.	35	70
Width, Jaws, In.	4	5
Wt. Each, Lbs.	35	70
Each	$10.00	15.00

PIPE VISES

HOLLANDS MALLEABLE HINGED

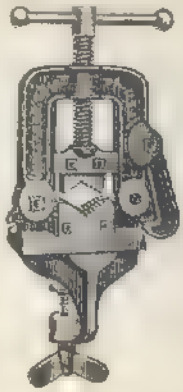


Screw is One-piece Steel turned from Solid Bar and has Acme thread, giving maximum strength and rapidity of action.

Pipe Jaws are Tool Steel Milled from Solid Bars and Oil Tempered.

The Base is flat with all bracing flanges underneath, making it convenient to use a wrench in fastening with lag screws or bolts.

Nos.	398	399	401
Holds Pipe, Inches	⅛ to 1¼	⅛ to 1½	⅛ to 2
Weight Each, Lbs.	4	5	10
Each	$2.50	3.60	4.25
Nos.	402	403	404
Holds Pipe, Inches	⅛ to 2½	⅛ to 3½	⅛ to 4½
Weight Each, Lbs.	12	18	24
Each	$5.00	7.50	11.00



CLAMP KIT

Self-locking

Hardened and Tempered Tool Steel Jaws, Malleable Iron Hinge Frame with Clamp.

This Vice is for the worker's kit to take on the job. Quickly clamped to any convenient post or plank.

Heavy enough for average work and light enough to carry with other tools.

No.	399C
Holds Pipe, Inches	⅛ to 1½
Clamp Opens, Inches	2
Weight Each, Lbs.	8
Each	$4.50

VULCAN CHAIN

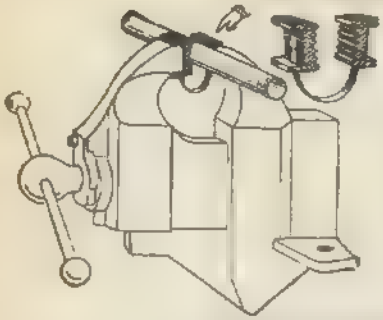
Made entirely of Wrought Steel. The Drop Forged Jaws are of Saw-Tempered Steel for File Sharpening. Hand-made Flat Link Steel Chain

These Vises are unbreakable, compact, rapid in action and positive in gripping pipe. They are serviceable upon and suitable for fastening to bench or post

Adjustment is quickly effected by slightly turning the screw, and further quick adjustment is gained by engaging the projecting rivets of each chain with a series of bosses on base.

Nos.	1	2	3	4
Holds Pipe, Inches	⅛ to 2	¼ to 4	½ to 6	½ to 8
Weight Each, Lbs.	4	10	18	30
Each	$7.00	15.00	27.00	36.00

VISE JAWS



ELGIN

Fits Any Vise

Hardened Steel Jaws, Tempered Steel Spring, Self-Adjusting.

Each

No. E-1—Holds Round Stock ¼ to ⅝ in., Weight Each 10 Oz. $0 50

Six in a Box.

HAND VISES

MILLERS FALLS

With Detachable Handle

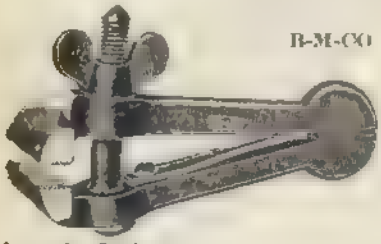
Forged and Tempered Steel Jaws, Steel Screw, Nickel Plated

Each

No. 1—6¾ in. Long, Jaws 1⅛ in. Wide, Jaws Open 1 in., Detachable Hollow Hardwood Handle with Screw Cap, Containing Chisel, Screw Driver, Countersink, Square Reamer, Brad Awl, Scratch Awl and Washer Cutter, Weight Each 17 Oz. $5.10

Furnished with a bit shank to be screwed into the tool either in the position of the handle, or at right angles, permitting the vise to be used in a bit brace. Handle may be screwed into the vise at right angles.

One in a Box.



B-M-CO

No. 80—Cast Steel

Jaws Milled and Hardened, Carbon Finish, Face of Jaws Polished.

Length, Inches	4½	5½	6
Width Jaw, Inches.....	1⅛	1⅛	1⅜
Jaws Open, Inches.....	½	⅝	⅞
Weight Each, Oz.....	10	18	24
Each	$1 00	1.25	1.50

One in a Box.

B-M-CO

With Hole Through Handle

Each

No. 30—Hardened Steel Jaws, Carbon Finish, Holds ⅞ in. and Smaller, with Octagon Metal Handle which Can be Clamped in a Vise, Weight Each 8 Oz. $1.50

One in a Box.

STARRETT

With Angular Adjustable Handle

Case Hardened Tool Steel, Stained Hardwood Handle

Each

No. 2100—7½ in. Long, 1 in. Opening, Depth of Jaws 1⅛ in., Weight Each 12 Oz. $2 15

The handle can be clamped at different angles for use around speed lathes, drill presses, etc. The stationary jaw has three V grooves for clamping round work.

One in a Box

PIN VISES

STARRETT

Hollow Handle

Best Tool Steel, Properly Tempered, Knurled Handles, Nickel Plated

Each

No. 162A—Capacity .0 to .040 in. $0 65
No. 162B—Capacity .030 to .062 in 65
No. 162C—Capacity .050 to .125 in 65
No. 162D—Capacity .115 to .187 in ..... .80

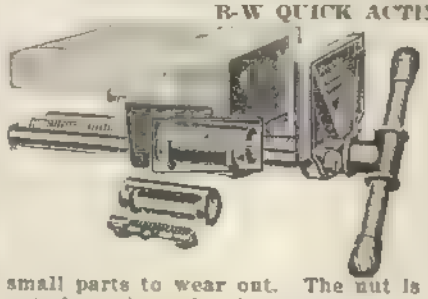
Per Set

No. S162—Set Complete, 1 Each Nos 162A, 162B, 162C and 162D. $2 75

Six in a Box

WOODWORKERS VISES

R-W QUICK ACTING



Screw 1 in. Diameter, 4 Threads to the Inch

These vises are equipped with a two-piece cam-operated nut. This nut is simple and absolutely reliable in operation and will not get out of order, as there are no small parts to wear out. The nut is phosphor bronze, the nut sleeve is made of grey iron

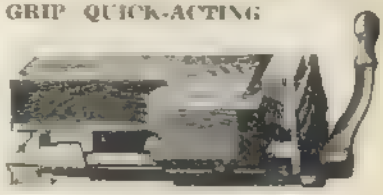
Cold rolled steel guides, best grey iron jaws

Each

No. 430-1—Jaws 7 in. Wide and 4 in. Deep, Open 10 in., Weight Each 32 Lbs. ..... $ 9 00
No. 430-2—Jaws 10 in. Wide and 5 in. Deep, Open 12 in., Weight Each 42 Lbs. .. 10.80

LIGHTNING GRIP QUICK-ACTING

Simple, Quick-Acting and Durable



The operation of this vise is very simple. When the handle is in an upright position the cam (H) allows the dog (L) to disengage the rack (E). This allows the front jaw to be moved freely and adjusted to the work. By moving the handle a quarter turn to the right, the cam forces the dog to engage in the rack and lock securely.

Each

No. 17—Width of Jaws 9 in., Opens 12 in., Weight Each 47 Lbs. $12.00
No. 19—Width of Jaws 7 in., Open 7 in., Weight Each 29 Lbs. 10.00

CHRISTIANSEN STEEL SCREW

Jaw Fitted with Wood Facing

This vise is fastened on under the bench top with 4 screws and is ready for use.

Each

No. 0—Width of Jaws 10 in., Opens 9 in., Weight 17 Lbs. $6 00

CHRISTIANSEN WOOD SCREW

Hard Maple Jaw

Complete ready to be attached to bench

Each

No. 1W—Jaw 12x4⅝x2¼ in., Guide 12x2¾x1¾ in., Slides 17½x1¾x1¼ in., Screw 21x2 in., Weight 5 Lbs. . .. $5 25

PYREX
TRANSPARENT WARE

Round, Fully Engraved, With Cover. Fits Standard Mountings.

Nos.	167E2	168E2
Capacity, qts	1	1½
Size, ins	6½	7½
Depth, ins	2⅔	2⅞
Wt per doz, lbs	27	36
Per Doz	$57 00	66 00

One in carton.

CASSEROLES
Oval, Fully Engraved with Cover. Fits Standard Mountings.

Nos.	632E2	634E2
Capacity, qts	1	2
Depth, ins	2⅝	3⅛
Size, ins	7⅛x6½	8⅝x6¼
Wt doz, lbs	29	34
Per Doz	$57 00	75 75

One in carton.

PUDDING PANS
Engraved. Round, Shallow.

No.	155E2
Capacity, qts	1½
Diam, ins	7¾
Depth, ins	2
Wt per doz, lbs	12
Per Doz	$37 80

One in carton.

PIE PLATES
Engraved. Round, With Wide Flange.

Per Doz
No. 209E2—Diam 8½ ins; depth 1¼ ins $34 20
Half doz in carton; wt per doz 17 lbs.

CUSTARD CUPS
Engraved.

Per Doz
No. 426E2—Capacity 4 ozs; size 3¼x1¾ ins $9 60
Half doz in carton; wt per doz 3½ lbs.

RAMEKINS
Engraved.

Per Doz Sets
No. 442E2—Capacity 3½ ozs; diam 2⅝ ins; depth 1⅛ ins $45 00
One set of half doz in carton; wt per doz sets 30 lbs.

UTILITY DISHES
Engraved. Oblong.

Per Doz
No. 231E2—Length 10 ins; width 6ins; depth 4¾ ins $37 95
Quarter doz in carton; wt per doz 22 lbs.

PYREX
TRANSPARENT WARE

BREAD PANS
Engraved. Oblong.

Per Doz
No. 212E2—Length 8½ ins; width 4½ ins; depth 2¾ ins $34 20
Quarter doz in carton; wt per doz 20 lbs.

NURSING BOTTLES

GIFT SETS
Sets consists of six 8 oz wide mouth bottles.

Per Set
No. 150 Wt per set 4 lbs $3 15
One in cardboard box; 6 in counter display box.

GIFT SETS
Set consists of six 8 oz narrow neck nursing bottles.

Per Set
No. 260—Wt per set 3½ lbs $3 15
One in cardboard box, 6 in cardboard counter display box.

TOY COOKING SETS

"See Dept 7, Page 1689"

PYREXETTE
Set consists of 6 pyrex dishes: 1 casserole and cover, 1 bread pan, 1 pudding or baking pan, 1 wide flange pie plate and 2 custard cups.

Per Set
No. M520—Wt per set 4½ lbs $4 50
One set in cardboard counter display box.

CAST ALUMINUM WARE

GRISWOLD'S SKILLETS

Seamless body, tempered; polished inside; double lipped ebonized wood handle, with ring end.

Nos.	208	209	210
Diam, ins	10½	11⅝	12
Depth, ins	2¼	2¼	2¼
Wt each, lbs	1¾	2	3
Per Doz	$69 00	81 75	104 25

Packed loose.

GRIDDLES

Seamless; tempered; ebonized wood handle, with ring end.

Nos.	308	309
Diam top, ins	9	10⅜
Wt each, lbs	1¾	1⅝
Per Doz	$63 00	75 75

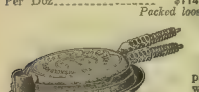
Packed loose.

TEA KETTLES

Seamless body, welded spout; swing cover; steel wire bail; ebonized wood knob and grip; bail rests on ears. Attractive paneled design.

Nos.	535	536	538
Capacity, qts	5	6	8
Diam bottom, ins	9¾	10	11
Wt each, lbs	3¾	4¾	5
Per Doz	$114 00	132 00	150 00

Packed loose.



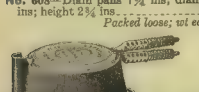
WAFFLE IRONS
Low Ring.

Cast aluminum pans; japanned iron rings; spiral wire handles; pans revolve in ball sockets.

Per Doz

No. 608—Diam pans 7¼ ins; diam bottom of ring 9⅜ ins; height 2¾ ins $88 50

Packed loose; wt each 5 lbs.



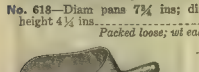
WAFFLE IRONS
Deep Ring.

Cast aluminum pans; japanned iron rings; spiral wire handles; pans revolve in ball sockets.

Per Doz

No. 618—Diam pans 7¼ ins; diam bottom 9⅜ ins; height 4¼ ins $94 50

Packed loose; wt each 7½ lbs.



SUGAR SCOOPS

One solid piece; seamless; solid handle.

Nos.	AS0	AS01	AS1	AS2	AS3	AS4
Size, ins	3x8½	4x10	4x11	5x12	5½x14	6¼x15
W teach, lbs	½	¾	¾	1	1¼	1½
Per Doz	$28 50	37 80	42 00	47 25	63 00	84 00

CAST ALUMINUM WARE

FUNNELS

One solid piece; seamless; highly polished finish.

Per Doz

No. FA2—Capacity 1 qt; diam top, 6⅜ ins $57 00

Packed loose; wt each ¾ lb.

MEASURES

One solid piece; seamless; highly polished finish; riveted handles.

Nos.	MA-1	MA-4
Capacity, qts	1	4
Diam, ins	4	6
Height, ins	6	9½
Wt each, lbs	1	2½
Per Doz	$60 75	110 25

Packed loose.

LARD SPADES

Solid cast aluminum, polished finish.

Per Doz

No. H-1—Length over all 10¼ ins; width 3¼ ins $22 95

Packed loose; wt doz 4½ lbs.

BUTTER LADLES

Solid cast aluminum, polished finish.

Per Doz

No. H-3—Length over all 9 ins; width 3⅛ ins $17 25

Packed loose; wt per doz ¼ lbs.

ALUMINUM WARE
—BLUE GRASS—

Blue Grass aluminum ware is 99⅞ pure aluminum of good, heavy stock—each article shaped of one solid hard piece of metal—highly polished outside and in.

Fruit acids have no effect on Blue Grass aluminum ware. It will stand a heat of 1,100 degrees Fahrenheit and will not break by dropping. There is nothing to rust, corrode and no seams to let loose.

COFFEE POTS

Polish finish; welded spout; detachable handle; nickel plated brass hinge.

Nos.	502	503
Gauge No.	20	18
Capacity, qts	2	2¾
Diam bottom, ins	5⅞	6⅛
Wt per doz, lbs	13	14
Per Doz	$33 00	45 75

One in carton.

COFFEE BOILERS

Polished finish; sun-ray finish inside; welded spout; ebonized wood handle and knob; riveted bail-rest ears; aluminum tilting handle; rolled sanitary bead.

Nos.	516	518
Gauge, No	16	16
Capacity, qts	6	8
Diam top, ins	6⅛	6⅝
Diam bottom, ins	9	9⅝
Depth, ins	8⅛	9
Wt per carton, lbs	39	24
Per Doz	$100 50	113 25

516 one doz in carton.
518 one half doz in carton.

BROAD AXES

—BLUE GRASS—

Kentucky Pattern.

Special steel body, hardened poll, extra quality crucible steel bit, hand tempered and tested, gun metal finish, labeled.

Nos.	66	66½	67	67½	68
Wt each, lbs	6	6½	7	7½	8
Approx cut, ins	10½	11	11½	12	12¾
Per Doz	$135 00	144 00	144 00	150 00	150 00

Half doz in wood box.

—BLUE GRASS—

Kentucky Pattern.

Special steel body, hardened poll; extra quality crucible steel bit, hand tempered and tested; red and gold body, labeled, full polished head and bit.

Nos.	35½	36	36½	37	37½
Wt each, lbs	5½	6	6½	7	7½
Approx cut, ins	10	10½	11	11½	11¾
Per Doz	$135 00	135 00	144 00	144 00	150 00

Half doz in wood box.

—BLUE GRASS—

Canada Pattern.

Special steel body, hardened poll, extra quality crucible steel bit, hand tempered and tested; red and gold body, labeled, full polished head and bit.

Nos.	26	26½	27	27½	28
Wt each, lbs	6	6½	7	7½	8
Approx cut, ins	10¾	11	11½	12	12¾
Per Doz	$135 00	144 00	144 00	150 00	150 00

Half doz in wood box.

—BLUE GRASS—

Pensylvania Pattern.

Special steel body, hardened poll, extra quality crucible steel bit, hand tempered and tested; red and gold body, labeled, full polished head and bit.

Nos.	16	16½	17	17½	18
Wt each, lbs	6	6½	7	7½	8
Approx cut, ins	11	11½	12	12½	12
Per Doz	$135 00	144 00	144 00	150 00	150 00

Half doz in wood box.

COLLINS

Pennsylvania Pattern.

Steel body; hardened poll; extra quality crucible steel bit, tempered; gun metal. Finished body, labeled, polished bit and head.

Nos.	7F	7½F	8F
Wt each, lbs	7	7½	8
Approx cut, ins	11½	12	12⅜
Per Doz	$153 00	162 00	162 00

One doz in wood box.

ADZES

—BLUE GRASS—

Carpenters'. Special steel body, extra quality crucible steel bit and laid head, hand tempered and tested. Red and gold body, labeled, full polished head and bit.

Nos.	BG3	BG3½	BG4	BG4½
Size cut, ins	3	3½	4	4½
Length over all ins	9½	9½	9½	9½
Wt per doz, lbs	45	47	50	52
Per Doz	$54 00	54 00	54 00	54 00

One doz in wood box.

—BLUE GRASS—

Ship. Special steel body, extra quality crucible steel bit, hand tempered and tested.
Red and gold body, labeled, full polished bit

Nos.	BGS3½	BGS4	BGS4½
Size cut, ins	3½	4	4½
Length over all, ins	11½	11¾	11¾
Wt per doz, lbs	39	41	43
Per Doz	$69 00	69 00	69 00

One doz in wood box.

—PINE KNOT—

Railroad. Forged from one piece high quality crucible steel, hardened head, hand tempered and tested. Ebony finish, labeled.

No.	PKRE5
Size cut, ins	5
Length over all, ins	9¼
Wt per doz, lbs	53
Per Doz	$42 00

One doz in wood box.

HATCHETS

Forged in one piece from extra quality crucible steel, sharpened ready for use. Full polished and etched Extra quality, second growth white hickory handles.

—BLUE GRASS—Full Polished.

Shingling, Haines Pattern.

Forged in one piece from extra quality crucible steel. Adze eye, black enamel neck, hardened bell poll.

Nos.	1201	1202
Size	1	2
Width cut, ins	3½	3½
Length over all, ins	13	13½
Wt per doz, lbs	20	22
Per Doz	$54 75	57 00

Half doz in cardboard box.

—BLUE GRASS—Full Polished.

Half, Haines Pattern.

Forged in one piece from extra quality crucible steel. Adze eye, black enamel neck and hardened bell poll.

Nos.	1301	1302
Size	1	2
Width cut, ins	3	3½
Length over all, ins	12½	12½
Wt per doz, lbs	19	21
Per Doz	$54 75	57 00

Half doz in cardboard box.

HATCHETS

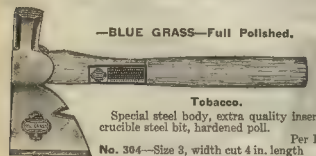
—BLUE GRASS—Full Polished.

Half, Octagon Neck and Poll.

Forged in one solid piece from extra quality crucible steel, octagan neck and poll. Special octagon second growth white hickory handle.

Nos.	47-1	47-2
Size	1	2
Width cut, ins	3	3½
Length over all, ins	12½	12¾
Wt per doz, lbs	19	21
Per Doz	$52 50	54 00

One in cardboard box.



—BLUE GRASS—Full Polished.

Tobacco.

Special steel body, extra quality inserted crucible steel bit, hardened poll.

Per Doz

No. 304—Size 3, width cut 4 in. length over all 13¾ ins; wt per doz 31 lbs..$51 75

Half doz in cardboard box.

—BLUE GRASS—Full Polished.

Orange or Fruit Box.

Forged in one piece from extra quality crucible steel. Hardened square poll, oval face.

Per Doz

No. 701—Width cut 2½ ins, length over all 12 ins; head 1¼ ins. square. Wt without handle 16 ozs; wt per doz 18 lbs.....$66 00

No. 702—Width cut 2½ ins; length over all 12½ ins; head 1⅜ ins. square. Wt without handle 18 ozs; wt per doz 20 lbs..... 70 50

Half doz in cardboard box.

—BLUE GRASS—Full Polished.

Lathing, Chicago Underhill Pattern.

Forged in one piece from extra quality crucible steel, hardened square poll, checkered head, 9 rows scoring 81 points.

Per Doz

No. 81—Size 1, width cut 2¼ ins, length over all, 13¼ ins; wt without handle 16 ozs, wt per doz 18 lbs...$66 00

Half doz in cardboard box.

HATCHETS

—BLUE GRASS—Full Polished.

Lathing, Haines Pattern.

Forged in one piece from extra quality crucible steel. Adze eye, round neck and hardened bell poll, checkered head.

Per Doz

No. 2401—Size 1, width cut 2 in, length over all 12½ ins, diam of head 1⅛ ins, wt without handle 13 ozs; wt per doz 15¾ lbs.....$55 50

Half doz in cardboard box.

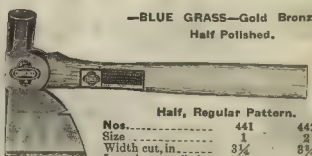
Forged in one piece from extra quality crucible steel. Gold bronzed body, highly polished bit poll, extra quality, second growth hickory handles.

—BLUE GRASS—Gold Bronzed, Polished.

Shingling, Regular Pattern.

Nos.	421	422
Size	1	2
Width cut, ins	3½	3⅝
Lgth over all, ins	13	14
Wt doz, lbs	20	25
Per Doz	$37 50	39 00

Half doz in cardboard box.



—BLUE GRASS—Gold Bronzed, Half Polished.

Half, Regular Pattern.

Nos.	441	442
Size	1	2
Width cut, in	3¼	3¾
Length over all, ins	12½	13½
Wt doz, lbs	22	25
Per Doz	$37 50	39 00

Half doz in cardboard box.

—BLUE GRASS—Gold Bronzed.

Half, Car Builders' Pattern, Octagon Neck and Bell Poll.

Nos.	481	482
Size	1	2
Width cut, ins	3¼	3½
Length over all, ins	12½	13¾
Wt doz, lbs	22	27
Per Doz	$43 50	46 50

Half doz in cardboard box.

AXES

—BLUE GRASS—DOUBLE BIT. RED AND GOLD FINISH, LABELED FULL POLISHED BITS

MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, all White, Hickory Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 191-40D—Octagon handle	Per Doz	$77 55	77 55	79 35	81 15	82 95
No. 191-50D—Oval handle						

Handled with BELKNAP'S SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

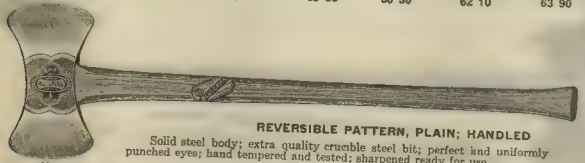
Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 191-16—Octagon handle	Per Doz	$76 80	76 80	78 60	80 40	82 20
No. 191-17—Oval handle						

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 191-65—Octagon handle	Per Doz	$74 55	74 55	76 35	78 15	79 95
No. 191-66—Oval handle						

MICHIGAN PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 191	Per Doz	$58 50	58 50	60 30	62 10	63 90



REVERSIBLE PATTERN, PLAIN; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 101-40D—Octagon handle	Per Doz	$77 55	79 35	81 15	82 95
No. 101-50D—Oval handle					

Handled with BELKNAP'S SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 101-16—Octagon handle	Per Doz	$76 80	78 60	80 40	82 20
No. 101-17—Oval handle					

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 101-65—Octagon handle	Per Doz	$74 55	76 35	78 15	79 95
No. 101-66—Oval handle					

REVERSIBLE PATTERN, PLAIN; UNHANDLED

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5	4½ to 5½
No. 101	Per Doz	$58 50	60 30	62 10	63 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—DOUBLE BIT. HAND MADE. GUN METAL FINISH, LABELED

WESTERN PATTERN, PLAIN; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 481-40D—Octagon handle / No. 481-50D—Oval handle	Per Doz	$77 55	79 35	81 15	82 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

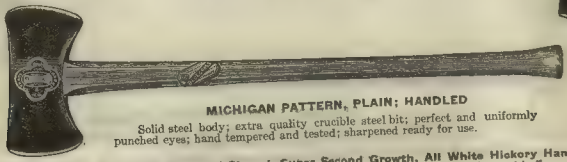
		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 481-16—Octagon handle / No. 481-17—Oval handle	Per Doz	$76 80	78 60	80 40	82 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 481-65—Octagon handle / No. 481-66—Oval handle	Per Doz	$74 55	76 35	79 50	79 95

WESTERN PATTERN, PLAIN; UNHANDLED

		3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs					
No. 481	Per Doz	$58 50	60 30	62 10	63 90



MICHIGAN PATTERN, PLAIN; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory Handles.

		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs						
No. 491-40D—Octagon handle / No. 491-50D—Oval handle	Per Doz	$77 55	77 55	79 35	81 15	82 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs						
No. 491-16—Octagon handle / No. 491-17—Oval handle	Per Doz	$76 80	76 80	78 60	80 40	82 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs						
No. 491-65—Octagon handle / No. 491-66—Oval handle	Per Doz	$74 55	74 55	76 35	78 15	79 95

MICHIGAN PATTERN, PLAIN; UNHANDLED

		3 to 3½	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Wts (assorted), lbs						
No. 491	Per Doz	$58 50	58 50	60 30	62 10	63 90

All of above axes packed one doz in wood box.

AXES

—BLUE GRASS—DOUBLE BIT. FULL POLISHED AND LABELED. PAINTED BLUE BEVELS

WESTERN PATTERN, SPECIAL PHANTOM BEVEL; HANDLED

Solid steel body; extra quality crucible steel bits; bevels accurately forged and carefully ground to prevent binding, perfect taper eye punched from solid stock; will not stretch; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 286-40D—Octagon handle **No. 286-50D**—Oval handle	Per Doz	$81 15	82 95	84 75

Handled with BELKNAP'S SPECIAL, Hand Shaved, White Second Growth Hickory Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 286-16—Octagon handle **No. 286-17**—Oval handle	Per Doz	$80 40	82 20	84 00

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

Wts (assorted), lbs		3 to 4	3½ to 4½	4 to 5
No. 286-65—Octagon handle **No. 286-66**—Oval handle	Per Doz	$78 15	79 95	81 75

WESTERN PATTERN, SPECIAL PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 286	Per Doz	$62 10	63 90	65 70

All of above axes packed one doz in wood box.

—BLUE GRASS—DOUBLE BIT. RED AND GOLD BODY, LABELED. FULL POLISHED BITS, PAINTED BLUE BEVELS

WESTERN PATTERN PHANTOM BEVEL; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS, Hand Shaved, Super Second Growth, All White Hickory Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 183-40D—Octagon handle **No. 183-50D**—Oval handle	Per Doz	$79 35	81 15	82 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 183-16—Octagon handle **No. 183-17**—Oval handle	Per Doz	$78 60	80 40	82 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 183-65—Octagon handle **No. 183-66**—Oval handle	Per Doz	$75 75	78 15	79 95

WESTERN PATTERN, PHANTOM BEVEL; UNHANDLED

Wts (assorted), lbs.		3 to 4	3½ to 4½	4 to 5
No. 183	Per Doz	$60 30	62 10	63 90

All of above axes packed one dozen in wood box.

AXES

—BLUE GRASS—DOUBLE BIT. RED AND GOLD BODY, LABELED. FULL POLISHED BITS, PAINTED BLUE BEVELS

MICHIGAN PATTERN, PHANTOM BEVELED; HANDLED

Solid steel body; extra quality crucible steel bit; perfect and uniformly punched eyes; hand tempered and tested; sharpened ready for use.

Handled with BLUE GRASS Hand Shaved, Super Second Growth, All White Hickory Handles.

Wts (assorted), lbs	3 to 4	3½ to 4½	4 to 5
No. 193-40D Octagon handle }			
No. 193-50D—Oval handle }	Per Doz $79 35	81 15	82 95

Handled with BELKNAP SPECIAL, Hand Shaved, White, Second Growth Hickory Handles.

Wts (assorted), lbs	3 to 4	3½ to 4½	4 to 5
No. 193-16—Octagon handle }			
No. 193-17—Oval handle }	Per Doz $78 60	80 40	82 20

Handled with PRIDE OF KENTUCKY, Hand Shaved, White, Good Grade Forest Hickory Handles.

Wts (assorted), lbs	3 to 4	3½ to 4½	4 to 5
No. 193-65—Octagon handle }			
No. 193-66—Oval handle }	Per Doz $75 75	78 15	79 95

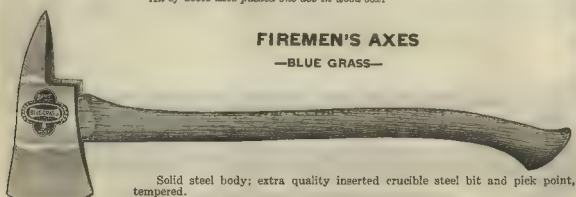
MICHIGAN PATTERN PHANTOM BEVELED; UNHANDLED

Wts (assorted), lbs	3 to 4	3½ to 4½	4 to 5
No. 193	Per Doz $60 30	62 10	63 90

All of above axes packed one doz in wood box.

FIREMEN'S AXES

—BLUE GRASS—



Solid steel body; extra quality inserted crucible steel bit and pick point, hand tempered.

Red and gold finish; labeled; full polished bit and point; extra quality hickory handle painted red.

	Per Doz
No. 171—Length over all 36 ins; wt with handle 4½ lbs	$89 85

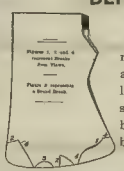
Half doz in wood box, heads enclosed, handles projecting, well burlapped.

OUR AXE HANDLING DEPARTMENT

Our Axe Handling Department, by years of experience, has reduced the handling of Axes to a science. Not only is each handle correctly gauged but it is driven and wedged with such accuracy as to insure a correct setting of the axe and to prevent its becoming loose on the handle.

All our handled axes are packed one dozen assorted weights in a crate. The heads are enclosed in a strong wood box and are held firmly and securely in place in such a manner as to prevent rubbing and scratching the finish. The handles are entirely covered with a strong cotton sack made especially for this purpose and tied securely, protecting them from dust, dirt and damage in shipping and storage. (See illustration.)

DEFECTIVE AXES



Necessarily the cutting edge of an axe must be high carbon and high temper, and for this reason a good axe is more likely to break than a poor one, as soft steel or steel in which the temper has been drawn by heating on a stone will bend before it will break.

Breaks from Flaws are known by being angular in form.

Sound Breaks, which show no fault in manufacture, are always circular in form.

Axes (except **Mohawk and Cyclone**) are guaranteed against breaks from flaws shown in Figures 1, 2 and 4, but not against sound breaks shown in Figure 3.

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NEW HAVEN WALL CLOCKS

ERIE, height 26¾ in., width 15¾ in., 12 in. dial, solid oak case, antique finish.

No. C1354—8 day **timepiece,** each $13.95

No. C1355—8 day **strike, cathedral** ..... each $16.10

ONE IN A CASE. W'T 34 LBS.

GALLERY OCTAGON—8 day time pendulum movement, 12 in. dial. Solid oak case.

No. C1834—Each $12.60

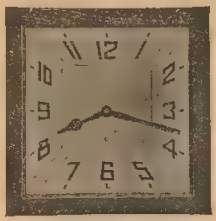
ONE IN A CASE. W'T 18 LBS.

LAWEN OCTAGON—12 day time lever movement, 6 in. silver dial, bowed glass.

No. C1832—Mahogany Finish Case ..... each $10.50

No. C1833—White Enameled Case ..... each $11.50

ONE IN A CARTON. W'T 2½ LBS.



BALCONY SQUARE, 8 day time pendulum movement, 12 in. dial. Solid oak case. Height 14¾ in., width 14¾ in.

No. C1396—Each $13.30

ONE IN A CASE. W'T 18 LBS.

REFEREE, height 35½ in., width 16 in., 12 in. dial, solid oak case.

No. C1357—8 day **timepiece,** each $14.70

No. C1358—8 day **strike, gong,** each $16.80

ONE IN A CASE. W'T 49 LBS.

SATURN, height 34¾ in., width 15¼ in., dial 12 in., solid antique oak case.

No. C1368—8 day time, each $27.25

No. C1369—8 day time weight, each $39.85

ONE IN A CASE. W'T 40 LBS.

DROP OCTAGON, height 21 in., width 15¼ in., 12 in. Dial, solid oak case, wax finish.

No. C1351—8 day **timepiece,** each $11.90

No. C1352—8 day **strike,** each $13.95

ONE IN A CASE. W'T 21 LBS.

KITCHEN CLOCK ASSORTMENTS

No. C1934 Assortment—Consists of 6 Kitchen Clocks assorted 2 each as illustrated above. All of these clocks have a light Oak finish, fancy embossed case with plain base and decorated glass. Fitted with 8-day movement. Strike the hour and half hour on wire bell. 6 in. white dial. Height 22 in., width 15 in., per assortment $42.95

MADE BY THE WATERBURY CLOCK COMPANY.

ONE ASSORTMENT IN A CASE. WEIGHT PER CASE, 65 LBS.
WE DO NOT BREAK ASSORTMENTS

No. C1970 Assortment—Consists of 6 Kitchen Clocks assorted 2 each as illustrated above. All of these clocks have a light Oak finish, fancy embossed case with fancy base and decorated glass. Fitted with 8-day movement. Strike the hour and half hour on wire bell. 6 in. white dial. Height 22 in., width 15 in., per assortment $43.75

MADE BY THE WATERBURY CLOCK COMPANY.

ONE ASSORTMENT IN A CASE. WEIGHT PER CASE, 65 LBS.
WE DO NOT BREAK ASSORTMENTS

Kewpieville

By ROSE O'NEILL

Here it is the Fourth again! And the Kewpies all aglow over it. Johnny McKewp had the bright idea of teaching the birds to sing "My country 'tis." But oh, do look at the window above!

This young rabbit was surprised and delighted to hear about George Washington.

Uncle Hob wasn't ape to feel patriotic enough to suit the Kewpies. They resorted to every means to get him properly warmed up. (Johnny's faithful hop-toad, Towzer, was good at the drum.)

And they got him so warm and cozy at last that they had him reading the Declaration of Independence on the top of the Castle.

The Baby Tourist read Johnny and Kary O'Kewp pages and pages of United States history, and she said, "Why, I believe this is the liveliest story I ever read! It certainly ought to be a 'Best Seller.'"

Vol. XXXIX. No. 3 February 1, 1927 Fifty Cents

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KIDDIE KOLTS

DEVEREAUX MANUFACTURING CO., INC.
ANOKA, MINNESOTA

OUR MOTTO
"QUALITY PRICED TO SELL"

SUGGESTED LIST
PRICE $3.49

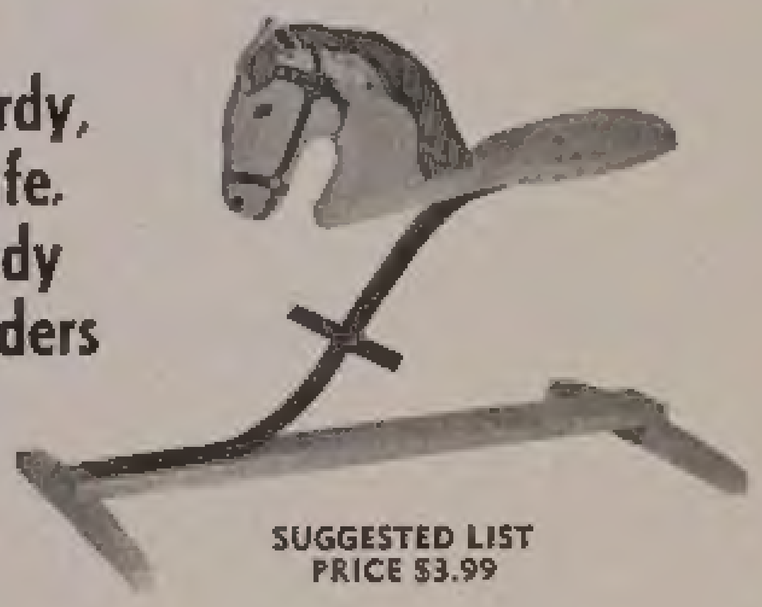
KIDDIE KOLT NO. 500, Pat. Pending

FOR CHILD OF 1 to 3 YEARS

SPECIFICATIONS:

Length 20", Width 12", Seat from floor 10", Height overall 16". Weight approximately 2½ lbs.. Spring is 1¼" x ⅜" Carbon Spring Steel. The shape of the Spring gives the child a real galloping action. Wrapped individually, K. D., six to carton. F. O. B., Anoka, Minnesota.

Sturdy, Safe, Body Builders



SUGGESTED LIST
PRICE $3.99

KIDDIE KOLT NO. 625

Pat. Pending

FOR CHILD OF 2 to 4 YEARS

SPECIFICATIONS:

Length 23", Width 14", Seat from floor 12½", Height overall 17½", Weight approximately 4½ lbs., Spring is 1½" x 3/16" Carbon Spring Steel, adjustable Foot-rest. Wrapped individually, K. D., six to carton.
F. O. B., Anoka, Minnesota.

KIDDIE KOLT NO. 1250, Pat. Pending

FOR CHILD OF 3 to 6 YEARS

SPECIFICATIONS:

Length 28", Width 17½", Seat from floor 17", Height overall 21", Weight approximately 8½ lbs., Spring is 1¾" x ¼" Carbon Spring Steel. Adjustable Foot-rest. Wrapped individually, K. D., packed six in carton. F. O. B., Anoka, Minnesota.

SUGGESTED LIST
PRICE $4.99

Because of the shape of the springs on above Kiddie Kolts, there is NO strain or stress at the point where they are bolted to the base, therefore, they will NOT break at this point. The stress or strain is not concentrated at any given point throughout the entire spring. All edges and cornered woodwork is rounded, finished in three coats of lacquer. Base and seats red, face, white trimmed in black, spring and foot rest, Royal blue. We are sure you will agree that the Kiddie Kolts have action, sturdiness, and an appealing color combination.

DEVEREAUX MANUFACTURING CO., INC.
ANOKA, MINNESOTA

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Then your little girl is joyful beyond measure

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Has a wonderful life-like complexion, blue-gray eyes and a real human smile. You will love her yourself.

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